



ŠIBENIK UNIVERSITY OF APPLIED SCIENCES
Professional undergraduate study of Nursing

Erasmus+ Course Catalogue
Academic year 2026-2027

Dean PhD Ljubo Runjić, college professor.
Head of department Nevena Šimunić, MSN, lecturer

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Fundamentals Of Research In Nursing
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Course List

PROFESSOR	COURSE	ECTS
Ivan Livaja	Informatics in health cares	2
Ivan Kardum Goleš	English language I	2
	English language II	2
	English language III	2
Sanja Veštić Mirčeta	Protection of patients' rights in the healthcare system	2
Vesna Jurin Bakotić	Social and health legislation	2
Nikolina Gaćina	Dietetics	3
Vesna Bušac	Process of nursing I	5
	Process of nursing II	6
	Integrative model of work organization in nursing practice	2
	Organization, management and administration in nursing care	4
	Clinical practice in nursing care II	4
	Quality management in nursing care	2
Ana Žepina Puzić	Process of nursing I	5
	Process of nursing II	6
	Nursing care of adults I/I	4
	Nursing care of adults I/II	4
	Fundamentals of research in nursing	4
	Contemporary approach to chronic wounds	2
	Clinical practice in nursing care III	5
	Palliative nursing care	2
Nevena Šimunić	Clinical practice in nursing care I	5
Dijana Mečev	Economics in healthcare	2

Divna Goleš	Quality management in nursing care	2
Ana Perišić	Statistics in biomedicine	2
Ivana Beljo	Statistics in biomedicine	2
Dragan Zlatović	Labor relations in healthcare	2
Edita Sušić	Microbiology and parasitology	3
Ivan Krečak	Internal medicine	2
Jasminka Brkičić	Hospital infection prevention	2
	Infectology	1
Josipa Jović Zlatović	Basics of physics, radiology and protection from radiation	2
	Basic procedures in pain treatment	2
Marijana Šupe Pauk	Anatomy	3
Vesna Rožanković Čobanov	Physiology	3

Marko Skelin	The basics of medical chemistry and biochemistry	1
	Pharmacology	3
	Fundamentals of research in nursing	4
Mario Gazić	Transcultural healthcare	2
	Evidence-based nursing care	2
Nikolina Višnjić Junaković	Team work in nursing	2
	Nursing care of adults I/I	4
	Nursing care of adults I/II	4
	Nursing care of patients with heart failure	2
Snježana Jušić	Patient safety	2
	Nursing care of psychiatric patients I	3
	Nursing care of psychiatric patients II	3
Sonja Kalauz	Philosophy and ethics in nursing	2
	Sociology of health	2

Zdravko Kedžo	Communication skills	2
Ivan Zmijanović	Gynecology and obstetrics	2
Željko Huljev	Hygiene and epidemiology Public health	3 3
Kristijan Bečić	Pathology	2
Eva Čubrić	Pathophysiology	2
Gina Lugović	Health psychology	2
Ivana Skorić	Transfusion of blood and blood products	2
Sanja Jakelić	Dermatology	1
Anka Aleksić Shihabi	Neurology	1
Jerko Vučak	Pediatrics	2
Ivan Vukoja	Healthy lifestyles and healthy aging	2
Maja Karabatić	Nursing care of persons with disabilities Health education with learning and teaching methods	2 3
Danči Mihovilčević	Anesthesiology, reanimatology and intensive care medicine	3
Joško Aleksić	Surgery, traumatology and orthopedics	2
Ivana Kalauz	Ophthalmology	1
Ljerka Čulav	Otorhinolaryngology	1
Ante Bilić	Psychiatry and mental health	2
Sanja Zoranić	Geriatric nursing care	4
Branka Birkić	Prevention of musculoskeletal disorders, diseases, and injuries in nurses	2
Zvonimir Parčina	Intensive care nursing	2
Mišela Radnić	Health education with learning and teaching methods	3

Full Course Curricula

GENERAL INFORMATION		
Course title	ANATOMY	
Course holder	Marijana Šupe, MD, lecturer	
Study program	Undergraduate Study of Nursing	
Course status	Obligatory	
Year of study	1	
Credit score and teaching method	ECTS credits	3
	Number of hours (LECTURES+SEMINARS+PRACTICE)	L-30, E -20

COURSE DESCRIPTION	
Course objectives	The main goal of the course is for the student to acquire basic knowledge of the macroscopic and microscopic morphology of individual organs and organ systems of humans. Acquired knowledge of anatomy should enable the student to better understand the structure of the body, organs and organ systems, physiological, pathophysiological and pathological processes in organisms and to pass clinical subjects and procedures in nursing care.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<ol style="list-style-type: none"> 1 - Reproduce knowledge from general anatomy and knowledge of organs and organic systems 2 - Analyze the structure of human bodies, morphology of individual organs and organic systems and life functions 3 - Describe normal physiological and anatomical values 4 - Distinguish pathophysiological and pathological processes in the organism 5 - Apply new knowledge in passing subjects from clinical medicine and nursing care procedures; 6 - Define integrated approach to health and diseases and observe the cell and organism as an integrated system
Course content	<p>Course includes acquisition of knowledge from general anatomy and from areas of structure and functions of individual organs and organ systems. It includes the following:</p> <ol style="list-style-type: none"> 1. General anatomy - define and distinguish anatomy within the framework of morphological sciences; define and differentiate the degrees in the structure of the human body; define the term and practical importance of anatomical orientation and anatomical position of the body, describe and show the position of the three basic orientation planes and axes in relation to the body (Outcome 1, 2, 3, 4, 5, 6)

2. General and special osteology - describe the basic features of macroscopic bone structure, analyze and compare shapes of bones, describe and show on anatomical specimen parts of typical neck, chest and lumbar vertebrae, cross and coccyx bone, describe basic characteristics of spine as a whole, show parts of the ribs, describe the sternum, describe the skull as a whole, define the general features of cranial bones, distinguish, describe and show on anatomical specimen basic parts of individual bones of the arm and leg (Outcome 1, 2, 3, 4, 5, 6)
3. General and special syndesmology - synarthroses and diarthroses, define the types of joints by shape and movements, analyze the types of joints between the vertebrae, the joints of the thoracic spine with the ribs and sternum, and describe the bony thorax as a whole, argue the importance of the shape and position of the ribs in the bony thorax for mechanics of breathing, define connections between skull bones and describe their functional meaning (Outcome 1, 2, 3, 4, 5, 6)
4. General and special myology - describe the structure and parts of skeletal muscle, define skeletal muscle shapes and function muscles, describe and define their function and innervation (Outcome 1, 2, 3, 4, 5, 6)
5. General and special neurology - describe structure of nervous tissues, analyze and compare anatomical and physiological division of the nervous system, define the brain (encephalon) and parts of the brain (cerebrum, cerebellum, truncus encephali), describe the cerebrum, show the lobes of the cerebrum on an anatomical specimen, show the boundaries between them, describe and show the surfaces, furrows and convolutions of cerebrum. Describe the internal structure of the cerebrum, define the mantle (pallium), deep gray matter (basal ganglia) and white matter of the cerebrum). On the anatomical specimen, show the position, parts and boundaries of the lateral ventricle, describe the cerebellum, describe the brainstem, define and show on the anatomical specimen the position and boundaries between the parts of the brainstem (medulla oblongata, pons, mesencephalon), describe the spinal cord, reflex arc, differentiate reflex arcs in the cerebrospinal system, parasympathetic and sympathetic parts in the autonomous nervous system, describe envelopes of the brain, define the paths of the nervous system, distinguish between brain and spinal nerves, ganglia, describe the types of fibers, exit, branching and area of innervation, nerve tangles, define the autonomic nervous system rustling, analyze anatomical and functional difference between pars parasympathetic and pars sympathetic (Outcome 1, 2, 3, 4, 5, 6)
6. General and special angiology - describe and define species of blood vessel, describe building walls blood vessels, describe blood circulation, describe the structure of the heart wall, describe the layers of the heart wall; describe the shape and characteristics of the 4 cavities of the heart; and show them on an anatomical preparation, describe cardiac orifices, define conducting cardiac musculature and explain its structure and function, describe irrigation and innervation hearts ze analyze topographical relations hearts. Describe small and big circulation blood, define and differentiate their function; define lymphatic vessels and lymph nodes, show and describe the shape and location of the spleen (Outcome 1, 2, 3, 4, 5, 6)
7. General and special splanology - define the difference in the structure and shape of hollow and parenchymatous organs, describe the serous membranes, describe the shape and structure of the organs of the digestive system and show the basic parts of the mentioned organs and their position on anatomical preparations in body cavities, describe topographical relations digestive organs in abdominal cavities, argue division abdominal cavity to the peritoneal cavity and extraperitoneal spaces, describe the shape and structure of the organs of the respiratory system, define the pleura, the pleural space and argue the importance of the pleura for the mechanics of breathing, describe the shape and structure of the organs of the urinary system and the topographical relationships of the organs of the urinary system, define the internal and external organs of the female and the male reproductive system, to define glands with internal excretion and describe form, building and function (Outcome 1, 2, 3, 4, 5, 6)
8. Skin and special senses - define the system of sensory organs, describe the shape and internal structure of the eye, ear, sense of smell, taste, sense of balance and skin (Outcome 1, 2, 3, 4, 5, 6)

lectures

independent assignments

Types of teaching method	<input type="checkbox"/> seminars and workshops	<input checked="" type="checkbox"/> multimedia and net
	<input checked="" type="checkbox"/> exercises	<input type="checkbox"/> laboratory
	<input checked="" type="checkbox"/> practical work	<input type="checkbox"/> mentoring work
	<input type="checkbox"/> education on the distance	<input checked="" type="checkbox"/> continuous evaluation
	<input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> consultative teaching

Obligations of students	Regularly and conscientiously attendance in all forms of classes					
Monitoring and evaluating student work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.	
	Attendance of classes	1 - 6	37	1.26	0	
	Activity during classes	1 - 6	6.5	0.21	0 - 10	
	Colloquium 1/exercises/oral	1 - 3	10	0.33	0 - 20	
	Colloquium 2/exercises/oral	4 - 6	10	0.33	0 - 20	
	In total	1 - 6	63.5	2.13	0-50 (50 % grades)	
	Closing exam/written		26.5	0.87	50 % of grade	
	In total		90	3	100 % of grade	
	Evaluation criteria	Activity during classes	Colloquium 1/exercises/oral	Colloquium 2/exercises/oral		
	Description	Preparation for teaching units Understanding previous content Participation in common task solving	Preparation/learning Theoretical knowledge Accuracy performance exercises or displays/multimedia	Preparation/learning Theoretical knowledge Accuracy performance exercises or displays/multimedia		
	Points: min. – max.	0 - 10	0 - 20	0 - 20		
	Min. number of points-passing threshold	5	10	10		
	Total	0 - 50				
	Total grade	Pass threshold	Score range	Grade		

25 points	45 – 50	5 (excellent)
	38 - 44.9	4 (very good)
	32 - 37.9	3 (good)
	25 – 31.9	2 (sufficient)

Conditions for forming the final grade

1. Regularly attend classes
2. Actively taking part in classes
3. Pass colloquia
4. Collect at least 50% points

Final grade

Final exam consists of: written exam.

If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:

% correct answers Final exam	Numerical Grade
90 – 100 %	5 (excellent)
80 – 89.9 %	4 (very good)
65 – 79.9 %	3 (good)
50 - 64.9 %	2 (sufficient)

Final grade

Forming the Final grade: Based on the points achieved during classes and final exam. (classes 50 % + closing exam 50%). In the ECTS system, the grade is expressed in the following way:

% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade
90 – 100 %	5 (excellent)	A
80 – 89.9 %	4 (very good)	B
65 – 79.9 %	3 (good)	C
50 -64.9 %	2 (sufficient)	D

Compulsory literature	<ol style="list-style-type: none"> 1. Katavić V, Petanjek Z, Vinter I. Anatomija, Medicinska naklada, Zagreb 2. Rotim K, i sur. Anatomija. Zagreb: Zdravstveno veleučilište, 2017. 3. Paulsen F, Wasckhe J. Atlas anatomije čovjeka I. + II + III. Svezak + Tablice, Sobotta (Marušić A, Bobinac D, Katavić V. ur.). Zagreb: Medicinska naklada; 2013. 		
Additional literature	<ol style="list-style-type: none"> 1. Gilroy AM, MacPherson BR, Ross M. Anatomski atlas s latinskim nazivljem. Zagreb: Medicinska naklada; 2011. 2. Jalšovec D. Anatomija humana. Naklada Slap. 2018. 		
Number of copies in the library	Title	Number of copies	Number of students
	1. Katavić V, Petanjek Z, Vinter I. Anatomija, Medicinska naklada, Zagreb	12	60
	2. Rotim K, i sur. Anatomija. Zagreb: Zdravstveno veleučilište, 2017.	12	60
	3. Paulsen F, Wasckhe J. Atlas anatomije čovjeka I. + II + III. Svezak + Tablice, Sobotta (Marušić A, Bobinac D, Katavić V. ur.). Zagreb: Medicinska naklada; 2013.	12	60
Methods of quality monitoring that ensure the acquisition of learning outcomes and skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and other.</p>		

GENERAL INFORMATION		
Course title	PHILOSOPHY AND ETHICS IN NURSING	
Course holder	Assoc. PhD Sonja Kalauz, college prof.	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and method of teaching	ECTS credits	2
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-30, S- 15

COURSE DESCRIPTION	
Course objectives	To meet students with the basics of philosophy nursing, ethics as a philosophical discipline, development of morality, ways of moral judgment and actions in nursing ethics as regional ethics. Ethical theories applicable in nursing will be explained to students, ethical codes of nurses, ethical principles and bioethics like new dialogic discipline
Terms of course entry and required competences	None
Expected learning outcomes on the course level	<p>1 - explain the basics of general philosophy, philosophy and ethics in nursing and their historical development</p> <p>2 - explain the term morality, theories of development morality, moral court, moral feelings and moral reflections</p> <p>3 - explain fundamental ethical theories (ethics virtues, deontology - Kant's ethics duties, Christian ethics of virtue, ethics of care) and ethical principles</p> <p>4 - interpret ethical codex of nursing</p> <p>5 - critically deliberate at ethical doubts in nurisng practice</p> <p>6 - explain the importance of bioethics as a dialogic discipline and her contribution preservation of all life on earth</p>
Course content	<ol style="list-style-type: none"> 1. The basics general philosophy, philosophy and ethics in nursing and their historical development (Outcome 1) 2. Morals, theories development (Piaget, Kohlberg) morality, moral court, moral feeling and moral reflection (Outcome 2) 3. Fundamental ethical theories applicable in nursing practice (ethics of virtue, ethics of duty, Kant's ethics duties, Christian ethics virtues, ethics care) ethical principles (Outcome 3) 4. Ethical nursing codex through history and today (Outcome 4) 5. ways, models and principles of deciding ethical doubts in nursing practice (Outcome 5) 6. Bioethics and importance in the preservation of the life (Outcome 6)

Types of teaching method	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching
	<input type="checkbox"/> other	

Students obligations	Regularly and conscientiously attendance off all forms of classes				
	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
	Attendance of classes	1 - 6	32	1.06	0
	Activity during classes	1 - 6	2	0.07	0 - 10
	Seminar/writing and presentation	1 - 6	6	0.20	0 - 20
	Colloquium /oral	1 - 6	6	0.20	0 - 20
	In total		46	1.53	0 – 50 (50 % of grade)
	Closing exam/written	1 - 6	14	0.47	50 % of grade
	In total		60	2	100 % of grade
	Grade criteria	Activities in class	Seminar/writing and presentation		Colloquium/oral

	Description	Preparation for teaching units Understanding the previous content Participation in common tasks solving	Organization/structure of work Understanding topics and expertise Terminology and vocabulary Grammar Citation and citing references Presentation/multimedia	Level of knowledge (ability analysis, synthesis and grade Structuredness and accuracy of answers Logically connecting the facts Usage of professional terms and concepts Correlation with related contents
	Points: min. - max.	0 - 10	0 - 20	0 - 20
	Minimal number of points - passing threshold	5	10	10
	Total	0 - 50		

	Total grade	Pass threshold	Score range	Grade
		25 points	45 – 50	5 (excellent)
			38 - 44.9	4 (very good)
			32 - 37.9	3 (good)
			25 - 31.9	2 (satisfactory)
<p>Conditions for forming the final grade</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part during classes 3. Pass colloquia 4. Collect at least 50% points 5. Get positive assessment from seminars 				

	<p>Final grade Final exam consists of: written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p> <table border="1"> <thead> <tr> <th>% correct answers Final exam</th> <th>Numerical Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> </tr> <tr> <td>50 - 64.9 %</td> <td>2 (satisfactory)</td> </tr> </tbody> </table>			% correct answers Final exam	Numerical Grade	90 – 100 %	5 (excellent)	80 – 89.9 %	4 (very good)	65 – 79.9 %	3 (good)	50 - 64.9 %	2 (satisfactory)						
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<p>Compulsory literature</p>	<p>1. Kalauz, S., Etika u sestinstvu, Medicinska naklada, Zagreb, 2012 2. Kalauz, S., Sestrinska etika u svjetlu bioetičkog pluriperspektivizma, Pergamena, Zagreb, 2011.</p>																		
<p>Additional literature</p>	<p>1. Scot I (ed.). Key Concepts and Issues in Nursing Ethics. Springer International Publishing, 2017.</p>																		
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Methods of quality monitoring that ensure the acquisition of knowledge, skills and competence

Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.

GENERAL INFORMATION

Course title	PHYSIOLOGY	
Course holder	Vesna Rožanković Čobanov, MD, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and method of teaching	ECTS credits	3
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-30, E -20

COURSE DESCRIPTION

Course objectives	To meet students with basic life functions the whole organism, individual organs and tissues, how would acquired fundamental knowledge for understanding physiological process in body, and more easily mastered the subjects of clinical medicine and understood the needs for nursing care.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	1 - describe the main physiological processes on level cells, organic systems, and organisms as a whole 2 - define the normal functions of all organic systems of the human organism: cardiovascular, hematopoietic, locomotive, respiratory, digestive, uropoietic, immune, endocrine and nervous systems; 3 - explain mutual relations between individual organic systems in healthy man; 4 - interpret the general patterns of the organism's reaction; 5 - explain the principles of basic functional tests and their deviation from normal ones

<p>Course content</p>	<p>1. The main physiological processes at the level of cells, organ systems, and the organism as a whole - hematopoiesis, the role of blood and blood cells, erythrocytes and leukocytes, hemostasis, and blood clotting: development, properties, and functions of platelets; the role of clotting factors and the regulation of the formation and breakdown of blood clots, immunological reaction: the role of lymphatic tissue in the body's defence, cellular and humoral immunity Membrane and action potentials, skeletal and smooth muscle contraction: the origin and origin of potentials in individual cells, the significance of their formation and propagation; structure of skeletal and smooth muscle, neuromuscular junction and regulation of contraction. (Outcome 1)</p> <p>2. Functions of all organic systems of the human body: cardiovascular, hematopoietic, locomotive, respiratory, digestive, uropoetic, immune, endocrine, and nervous systems (Outcome 2)</p> <p>3. The heart, the structure of the heart muscle, regulation of heart work, conduction of impulses, the role of the heart muscle as a pump, cardiac cycle, regulation of heart work and rhythmic excitation of the heart (Outcome 2)</p> <p>4. Physiology of circulation, blood vessels and regulation of arterial pressure, hemodynamics in the arterial and venous trunk and microcirculation, mechanisms of short-term, medium-term and long-term regulation of circulation (Outcome 2)</p> <p>5. The role of the kidneys in creating urine and maintaining the composition of body fluids: structure of the nephron, glomerular filtration and tubular reabsorption, regulation of acid-base and electrolyte balance by the kidneys, concentration of urine</p>	
	<p>6. Physiology of respiration, pulmonary ventilation: lung volumes and capacities, gas exchange between alveolus and blood your blood and tissues, transfer oxygen and carbon blood dioxide, regulation of breathing (Outcome 2)</p> <p>7. Digestion, metabolism, and regulation of body temperature: movements in the digestive system, secretion and absorption in the digestive system, basics of catabolic and anabolic processes, metabolism of carbohydrates, fats, and proteins (Outcome 2)</p> <p>8. Endocrine System: organization and regulation of endocrine system, principles hormonal feedback loops, function of hormones: pituitary gland, thyroid gland, parathyroid gland, adrenal gland, parotid gland, and gonads of men and women (Outcome 2)</p> <p>9. Nervous System: motor and sensory axle, the role of back brain, brain stem, cerebellum basal ganglia, and motor cortex in motor control; feel, feel pain; functions of the autonomic nervous system. (Outcome 2)</p> <p>10. Mutual relationships between individual organic system in healthy man (Outcome 3)</p> <p>11. General forms of physiological reactions of organism (Outcome 4)</p> <p>12. Principles of basic functional tests and their deviations from normal values (Outcome 5)</p>	
<p>Types of teaching method</p>	<p><input checked="" type="checkbox"/> lectures</p> <p><input type="checkbox"/> seminars and workshops</p> <p><input checked="" type="checkbox"/> exercises</p> <p><input checked="" type="checkbox"/> practical work</p> <p><input type="checkbox"/> distance learning</p> <p><input type="checkbox"/> field work</p>	<p><input checked="" type="checkbox"/> independent assignments</p> <p><input checked="" type="checkbox"/> multimedia and net</p> <p><input type="checkbox"/> laboratory</p> <p><input type="checkbox"/> mentoring work</p> <p><input checked="" type="checkbox"/> continuous evaluation</p> <p><input checked="" type="checkbox"/> consultative teaching</p> <p><input type="checkbox"/> other</p>
<p>Comments</p>	<p>-</p>	
<p>Students' obligations</p>	<p>Regularly and conscientiously attend all forms of classes</p>	

Monitoring and evaluating of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
	Attendance of classes	1 - 5	37	1.24	0
	Activities in classes	1 - 5	5.5	0.18	0 - 10
	Colloquium/oral	1 - 5	12	0.40	0 - 20
	colloquium/practical/oral	1 - 5	9	0.30	0 - 20
	In total		63.5	2.12	0-50 (50% grades)
	Closing exam/written	1 - 5	26.5	0.88	50% grades
	In total	1 - 5	90	3	100% grades
	Grade criteria	Activities in class		Colloquium/oral	colloquium/practical/oral

	Description	Preparation for teaching units Understanding the previous content Participation common task solving	Level of knowledge (ability analysis, synthesis and Grades) Structuredness and accuracy of answers Logically connecting the facts Usage of professional terms and concepts Correlation with related contents	Preparation/learning Theoretical knowledge Accuracy of exercise performance or display/multimedia
	Points: min. - max.	0 - 10	0 - 20	0 - 20
	Minimal number of points - passing threshold	5	10	10
	Total	0 - 50		
		Pass threshold	Score range	Grade

	Total grade	25 points	45 – 50	5 (excellent)															
			38 - 44.9	4 (very good)															
			32 - 37.9	3 (good)															
			25 – 31.9	2 (satisfactory)															
Conditions for forming the final grade																			
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Pass colloquia 4. Collect at least 50% points 																			
Final grade																			
Final exam consists of: written exam.																			
If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:																			
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Compulsory literature	1. Guyton CA , Hall IS. Medical physiology, 13. ed. Zagreb: Medicinska naklada, 2017. 2. Hall ME, Hall IS. Medical physiology, 14. ed. Zagreb: Naklada Ljevak, 2021.		
Additional literature	1. Teaching texts		
Number of copies in the library	Title	Number of copies	Number of students
	1. Guyton CA , Hall IS. Medical physiology, 13th ed. Zagreb: Medicinska naklada, 2017.	12	60
	2. Hall ME, Hall IS. Medical physiology, 14th ed. Zagreb: Naklada Ljevak, 2021.	12	60
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>		

GENERAL INFORMATION		
Course title	MICROBIOLOGY WITH PARASITOLOGY	
Course holder	MSc. Edita Sušić, MD, lecturer	
Study programme-undergraduate	Professional undergraduate study Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and forms of teaching	ECTS credits	3
	Hours (Lectures+ Exercises+ Seminars)	L-30, E -15

COURSE DESCRIPTION	
Course objectives	To acquaint students with the basics of microbiology and parasitology, the biological characteristics of microorganisms that cause infections, the chain that leads to the development of infection, methods of treating infection, and prevention of hospital infections.
Terms of course entry and required competences	There are no conditions
Expected learning outcomes on course level	<p>1 - explain the biological characteristics of microorganisms that cause infectious diseases in humans, their factors pathogenicity, ways of transmission ways defense man from infection</p> <p>2 - recognize way actions antimicrobial medicines and funds your mechanisms of resistance of microorganisms to these agents</p> <p>3 - explain basic laboratory diagnostics of pathogenic microorganisms and parasites</p> <p>4 - to state species samples for microbiological processing and the way theirs correctly transported to the microbiological laboratory</p> <p>5 - apply fundamental principles correct and safe laboratory of work you disinfection and sterilization procedures</p> <p>6 - explain methods of preventing hospital infections</p>
Course content	<ol style="list-style-type: none"> 1. Basic biological features the most important microorganisms and parasites who cause infections of individual organ systems in humans, ways of transmitting infections caused by microorganisms between humans, and ways of defending humans against infection, as well as the basics of microbiological diagnostics of infections of individual organ systems (Outcome 1) 2. Antimicrobial drugs and agents in the treatment of certain infections and mechanisms of resistance of microorganisms to these agents (Outcome 2) 3. Basics of microbiological diagnostics of pathogenic microorganisms and parasites in individual organ systems (Outcome 3) 4. Types samples for microbiological processing and way their correct transport to the microbiology laboratory (Outcome 4) 5. Basic principles of proper and safe laboratory work and disinfection procedures i sterilization (correct way of taking material for microbiological treatment, asepsis procedures - disinfection and sterilization) (Outcome 5) 6. Prevention and protection from hospital infection (Outcome 6)

Types of teaching method	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input checked="" type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments	-			
Students` obligations	Regularly and conscientiously attendance everyone shapes classes				
Monitoring and evaluating student work	Activities	Outcomes	Hours	ECTS	Points min. – max.
	Attendance	1 - 6	34	1,1	0
	Activity during classes	1 - 6	4	0.14	0 - 10
	Colloquium 1/written	1 - 6	15	0.50	0 - 20
	Colloquium 2/exercises/oral	1 - 6	9	0.30	0 - 10
	Activity during classes Total	1 - 6	62	2.04	0-40 (50% grades)
	Closing exam/written	1 - 6	28	0.95	50% grades
	Activity during classes Total	1 - 6	90	3	100%
	Evaluation criteria	Activity during classes	Colloquium 1/written		Colloquium 2/exercises/oral
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks together	Questions offered 4 answers from which only one is correct. The number of questions is 20 and each exact answer carries 1 point.		Preparation/learning Theoretical knowledge Accuracy of exercise performance or display/multimedia
Points: min. - max.	0 - 10	0 - 20		0 - 10	
Minimal number of points - passing threshold	5	10		5	
Activity during classes Total points	0 - 40				

	Pass threshold	Points range	Grade												
Total grade	20 points	35 - 40	5 (excellent)												
		30 - 34.99	4 (very good)												
		26 - 29.99	3 (good)												
		20 - 25.99	2 (satisfactory)												
Conditions for accession to a final exam															
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquia 4. Collect at least 50% points 															
Closing exam – grades criterion															
Closing exam consists of: written exam.															
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Compulsory literature	1. Kalenić S. Medicinska mikrobiologija. Zagreb: Medicinska naklada, 2013. 2. Bergovac J, i sur. Klinička infektologija. Zagreb: Medicinska naklada,2019.				
Additional literature	1. Cann A. Principles of Molecular Virology (6 th ed.). Academic Press, 2015				
Number of copies in the library	Title	Number of copies		Number of students	
	1. Kalenić S. Medicinska mikrobiologija. Zagreb: Medicinska naklada, 2013.	12		60	
	2. Bergovac J, i sur. Klinička infektologija. Zagreb: Medicinska naklada,2019.	12		60	
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.				

GENERAL INFORMATION		
Course title	BASICS OF PHYSICS, RADIOLOGY AND RADIATION PROTECTION	
Course holder	Josipa Jović Zlatović, MD, lecturer	
Study programme (Undergraduate, graduate)	Professional undergraduate nursing study	
Course status	Obligatory	
Year of study	1.	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L -20

COURSE DESCRIPTION		
Course objective	The aim of the course is to acquaint students with the basic principles of mechanics and statics based on examples which we find in human the body, and with basics radiological techniques and protection from radiation. Students should be trained to understand the basic physical principles in the human organism.	
Terms of course entry and required competences	None.	
Expected learning outcomes on the course level	<p>1 - explain elementary principles mechanics, hydrodynamics and hydrostatics you the impact of electromagnetic radiation and radioactivity on the human body</p> <p>2 - describe basic radiological equipment, their application in diagnostics and treatment and the radiation protection organization of the Republic of Croatia.</p> <p>3 - interpret Law on protection from radiation and its significance</p>	
Course content	<p>1. Force and energy, hydrodynamics and hydrostatics. Electromagnetic radiation and radioactivity and their impact on the human body (Outcome 1)</p> <p>2. Radiological devices and techniques you their application in diagnostics and treatment. Organization of radiation protection in the Republic of Croatia. (Outcome 2)</p> <p>3. Law on protection from radiation and its importance (Outcome 3)</p>	
Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other
Comments	-	

Students' obligation	Regularly and conscientiously attend all forms of classes					
Monitoring and evaluation of students work	Activities	Outcomes	Hours	ECTS	Points min. – max.	
	Attendance	1 - 3	15	0.5	0	
	Activity during classes	1 - 3	7.5	0.25	0 - 10	
	Colloquium/oral	1 - 3	15	0.50	0 - 20	
	Total	1 - 3	37.5	1.25	0 – 30 (50% of the grade)	
	Final exam/written	1 - 3	22.5	0.75	50% grades	
	Total	1 - 3	60	2	100% grades	
	Grade criteria	Activity during classes		Colloquium/oral exam		
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks together		Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content		
	Points: min. - max.	0 - 10		0 - 20		
	Minimal number of points - passing threshold	5		10		
	Total	0 - 30				
	Total grade	Pass threshold	Points range	Grade		
		15 points	26 - 30 23 - 25.99	5 (excellent) 4 (very good)		

		19 - 22.99	3 (good)															
		15 - 18.99	2 (satisfactory)															
<p>Conditions for forming the final grade:</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquium 4. Collect at least 50% points 																		
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Compulsory literature	<ol style="list-style-type: none"> 1. Klanfar Z, i sur. Radiološka tehnologija u praksi. Zagreb: Zdravstveno veleučilište/Naklada Slap, 2009. 2. Brnjas-Kraljević J, Krilov D. Fizika za studente medicine. Zagreb: Medicinska naklada, 2012. 																	
Additional literature	<ol style="list-style-type: none"> 1. Biophysics: Searching for Principles (online) 2011. https://www.princeton.edu/~wbialek/PHY562/WB_biophysics110918.pdf 																	

Number of copies in the library	Title	Number of copies	Number of students
	1.Klanfar Z, i sur. Radiološka tehnologija u praksi. Zagreb: Zdravstveno veleučilište/Naklada Slap, 2009.	12	60
	2.Brnjac-Kraljević J, Krilov D. Fizika za studente medicine. Zagreb: Medicinska naklada, 2012.	12	60
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and other.</p>		

GENERAL INFORMATION		
Course title	BASICS OF CHEMISTRY AND BIOCHEMISTRY	
Course holder	Assoc. Ph.D. Marko Skelin, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and method of teaching	ECTS credits	1
	Number hours (L+E+S)	L-15, E-5, S-5

COURSE DESCRIPTION			
Course objectives	The student will be familiar with the basic principles of the structure and function of organic compounds that we find in humans to the body you will be able to understand basic biochemical processes in human organisms.		
Terms of course entry and required competencies	None		
Expected learning outcomes on the course level	<p>1 - explain the elementary principles structures of protein, carbohydrates, lipids, and nucleic acids</p> <p>2 - expose the function of the most significant protein, carbohydrates, and lipids in the human organism;</p> <p>3 - explain elementary principles of digestion and metabolism</p>		
Course content	<ol style="list-style-type: none"> Structure and function of protein, carbohydrates, lipids, enzymes, coenzymes and nucleic acids, structure and properties of DNA and RNA (Outcome 1) Function the most significant protein, carbohydrates, and lipids in the human organism (Outcome 2) Elementary principles of digestion and metabolism. - digestion and absorption protein, lemon cycle acid, oxidative phosphorylation. biological membranes and membrane transfer (Outcome 3) 		
Types of teaching method	<table border="0"> <tr> <td style="vertical-align: top;"> <input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work </td> <td style="vertical-align: top;"> <input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other </td> </tr> </table>	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work	<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other
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Students' obligations	Regularly and conscientiously attendance of all forms of classes		

Monitoring and evaluation of students work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
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	Attendance classes	1 - 3	19	0.64	0
	Activity during classes	1 - 3	3.5	0.15	0 - 10
	Seminar/work in group	1 - 3	2	0.03	0 - 10
	In total	1 - 3	24.5	0.82	0 – 20 (50% grades)
	Final exam/written	1 - 3	5.5	0.18	50% grades
	In total	1 - 3	30	1	100%
	Grade criteria	Activities during classes	Seminar/work in group		
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks together	Solving tasks in the field of medicine, chemistry and biochemistry		
	Points: min. - max.	0 - 10	0 - 10		
	Minimal number of points - passing threshold	5	5		
	Total	0 - 20			
	Total grade	Pass threshold	Score range	Grade	
		10 points	19 - 20	5 (excellent)	
			17 - 18.99	4 (very good)	
			14 - 16.99	3 (good)	
			10 - 13.99	2 (satisfactory)	

Conditions for forming the final grade

1. Regularly attend classes
2. Actively taking part during classes
3. Pass colloquia
4. Collect at least 50% points

Final grade

Final exam consists of: written exam.

If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:

% correct answers Final exam	Numerical Grade
90 – 100 %	5 (excellent)
80 – 89.9 %	4 (very good)
65 – 79.9 %	3 (good)
50 - 64.9 %	2 (satisfactory)

Final grade

Forming the Final grade: Based on the points achieved during classes and final exam.

(classes 50 % + closing exam 50%). In the ECTS system, the grade is expressed in the following way:

% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade
90 – 100 %	5 (excellent)	A
80 – 89.9 %	4 (very good)	B
65 – 79.9 %	3 (good)	C
50 -64.9 %	2 (satisfactory)	D

**Compulsory
literature**

1. Sertić J, i sur. Klinička kemija i molekularna dijagnostika u kliničkoj praksi (2.izd.). Zagreb: Medicinska naklada, 2015.
2. Berg JM, Tymoczko JSL. Biokemija. Zagreb: Medicinska naklada, 2013. (prijevod)

**Additional
literature**

1. Lutkić A, Jurić A. Biokemija. Zagreb: Medicinska naklada, 2008
2. Harperova ilustrirana biokemija (28 izdanje). Zagreb: Školska knjiga, 2010.
3. Glavaš-Obrovac Lj. i sur. Interni priručnik za seminare i vježbe iz medicinske kemije i biokemije 2. Osijek: Medicinski fakultet Osijek, 2010

Number of copies in the library	Title	Number of copies	Number of students
	1. Sertić J., i sur. Klinička kemija i molekularna dijagnostika u kliničkoj praksi (2.izd.). Zagreb: Medicinska naklada, 2015. .	12	60
	2. Topić E., Primorac D, Janković S. Medicinska biokemija i laboratorijska medicina u kliničkoj praksi,II izdanje. Zagreb: Medicinska naklada; 2018	12	60
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>		

GENERAL INFORMATION

Course title	THE PROCESS OF NURSING CARE I	
Course holder	Vesna Bušac, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and method of teaching	ECTS credits	5
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-30, E-120, S- 15

COURSE DESCRIPTION

Course objectives	To meet students with process health care as basic model in taking care of the patient and his/her basic human needs and planning health care: with nursing history, nursing diagnoses, goals, interventions and grade to enable students to understand principles of work in all areas of health care.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<ul style="list-style-type: none">O 1 - explain theoretical principles and processes of health care including connection with nursing theoriesO 2 - explain hierarchy of basic human needs according to concept by Virginia Henderson and forms of health functioning (M Gordon)O 3 – explain health care structure plane in all its phasesO 4 - demonstrate making of health care plan

Course content	<ol style="list-style-type: none"> 1. Theoretical principles and health care processes and connection with nursing theories – F. Nightingale, D. Orem, M. Rogers, V. Henderson (Outcome 1) 2. Hierarchy of basic life needs (Maslow) and application of the theory and concept of satisfying basic life needs according to Virginia Henderson and patterns of health functioning (M Gordon) (Outcome 2) 3. Creation of the structure of the health care plan and nursing documentation. Detailed analysis of all stages in the process of health care and nursing documentation (Outcome 3) 4. Production of health care plan: <ol style="list-style-type: none"> a. Data collection: data types, data sources, methods of collection data and aids; analysis and synthesis of data, grade of collected data b. Nursing diagnoses: current nursing diagnoses, potential nursing diagnoses, high-risk nursing diagnoses, methods of formulating nursing diagnoses, relationship between nursing diagnoses and medical diagnoses c. Defining Health Care Outcomes/SMART - technique, outcome Grade, outcome measurement methods and tools d. Interventions and activities (depending on the set outcome, guidelines or algorithms) e. Evaluation/reevaluation of health care plan (Outcome 3) 5. Planning, implementation and evaluation of health care/simulation: determination of health care needs, assessment according to the concept of basic human needs V. Henderson, planning health care (gathering data/
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	nursing anamnesis, types and setting nursing diagnosis, defining goals and interventions and health care evaluation (Outcome 4)				
Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other			
Comments	-				
Students` obligations	Regularly and conscientiously attendance of all forms of classes				
	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
	Attendance classes	1 - 4	112	3.7	0
	Activity during classes	1 - 4	6	0.20	0 - 10
	Seminar/production and presentation	1 - 4	6	0.20	0 - 20

Monitoring and evaluation of students' work	Colloquium 1/oral	1 - 4	7	0.25	0 - 20
	In total	1 - 4	131	4.35	0-50 (50% grades)
	Closing exam/written	1 - 4	19	0.65	50% grades
	In total	1 - 4	150	5	100%
	Criteria Grade	Activities in class	Seminar/production and exposure	Colloquy/ oral	CLINICAL EXERCISES
	Description	Preparation for teaching units	Organization/structure of work Vocabulary and grammar	Level of knowledge (ability to analyse, synthesis and Grades)	Exercises/activities and interventions provided in

	Understanding previous content Participation in solving tasks together	Expertise and professional terminology style writing Citation and citing references Exposure/multi media	Structuredness and answer accuracy Logical linking of facts Mastery of professional terms and concepts Correlation with related content	Booklets for monitoring and evaluating clinical exercises and clinical practices are not evaluated as summative. Success in performing exercises is described as: <ul style="list-style-type: none"> • Adopted • it is not adopted
Points: min. - max.	0 - 10	0 - 20	0 - 20	
Min. number of points-passing threshold	5	10	10	
Total points	0 - 50			

	Pass treshold	Score range	Grade
Total grade	25 points	45 – 50	5 (excellent)
		38 - 44.9	4 (very good)
		32 - 37.9	3 (good)
		25 - 31.9	2 (satisfactory)
<p>Conditions for forming the final grade</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes/get positive assessment 3. Pass colloquium <ul style="list-style-type: none"> - students must pass oral colloquium to access clinical exercises 4. Get positive assessment from seminars 5. Exercises: - at least 90% of the activities listed for the course in the Monitoring and Grade Booklet exercises and clinical practices should be adopted. Others 10 % it can be transferred in course/II in the next semester. 			

6. Collect at least 50 % points
<p>CLINICAL EXERCISES</p> <p>Exercises/activities and interventions which are foreseen in Booklets for tracking and evaluation of clinical exercises and clinical practices are not evaluated numerically.</p> <p>Success in performance exercises describes as :</p> <ul style="list-style-type: none"> • Exercise is adopted • Exercise it is not adopted <p>For the student to be able to take the final exam, 90% of the planned interventions and activities must be adopted. 10% of foreseen intervention and activity can be transferred to the course Health care process II.</p>
<p>Final grade</p> <p>Closing exam consists of: written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p>

Final grade

Formation of the Final grade according to the Rulebook on studying is the sum of the percentages of acquired knowledge, skills and competences achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%)

% correct answers Final exam	Numerical Grade
90 – 100 %	5 (excellent)
80 – 89.9 %	4 (very good)
65 – 79.9 %	3 (good)
50 - 64.9 %	2 (satisfactory)

% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade
90 – 100 %	5 (excellent)	A
80 – 89.9 %	4 (very good)	B
65 – 79.9 %	3 (good)	C
50 -64.9 %	2 (satisfactory)	D

**Compulsory
literature**

1. Fučkar, G. Proces zdravstvene njege. Medicinski fakultet Sveučilišta u Zagrebu., Zagreb, 1995.
2. Abou Aldan, D. i sur. Sestrinske dijagnoze 3. HKMS. Zagreb. 2015.
3. Fučkar, G. Uvod u sestrinske dijagnoze. HUSE. Zagreb. 1996.
4. Čukljek, S. Proces zdravstvene njege i odabrane sestrinske dijagnoze. Zdravstveno veleučilište Zagreb, Zagreb, 2023.
5. Šepec, S. i sur. Sestrinske dijagnoze. Hrvatska Komora Medicinskih Sestara. Zagreb, 2011.
6. Kadović, M. i sur. Sestrinske dijagnoze II. Hrvatska Komora Medicinskih Sestara. Zagreb, 2013..

Additional literature	<ol style="list-style-type: none"> 1. https://dl.uswr.ac.ir › bitstream › Hannah 2. HANDBOOK OF Nursing DIAGNOSIS, 14th EDITION - pdf 3. Alfaro-LeFevre R. Applying Nursing Process: The Foundation for Clinical Reasoning, LWW; 2013. 		
Number of copies in the library	Title	Number of copies	Number of students
	1. Fučkar, G. Proces zdravstvene njege. Medicinski fakultet Sveučilišta u Zagrebu.,Zagreb, 1995.	12	60
	2. Abou Aldan, D. i sur. Sestrinske dijagnoze 3. HKMS. Zagreb. 2015.	12	60
	3. Fučkar, G. Uvod u sestrinske dijagnoze. HUSE. Zagreb. 1996.*(na hrvatskom jeziku jedina literatura)	12	60
	4. Čukljek, S. The process of nursing care and selected nursing diagnoses. Zagreb University of Health, Zagreb, 2023.	12	60
	5. Šepec, S. et al. Nursing diagnoses. Croatian Chamber of Nurses. Zagreb, 2011.	12	60
	6. Kadović, M. et al. Nursing diagnoses II. Croatian Chamber of Nurses. Zagreb, 2013.	12	60
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the others.</p>		

GENERAL INFORMATION

Course title	SOCIAL AND HEALTH LEGISLATION		
Course holder	Vesna Jurin Bakotić, senior lecturer		
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing		
Course status	Obligatory		
Year of study	1.		
Credit points and method of teaching	ECTS credits	2	
	Number hours (Lectures)	L-30	

COURSE DESCRIPTION

Course objectives	To acquaint students with basic concepts and basic contents in the field of health rights, with work and organization of professional chamber, with fundamental criteria for the legal responsibilities of healthcare workers, the rights and obligations of healthcare workers in the performance of their activities, and the fundamental rights of patients.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<ol style="list-style-type: none">1. Explain terms and basic facilities for healthcare rights2 - analyse fundamental criteria for legal responsibilities of health employees, rights and the obligations of healthcare workers in the performance of their activities3 - explain the work and organization of a professional chamber4 - explain the position of healthcare workers in relationship to disciplinary, civil and criminal liability5 - integrate the rights of the patient in everyday practice

Course content	<ol style="list-style-type: none"> 1. Term and content healthcare rights, relationship according to others scientific branches and principles performance health activities, term health protection and social care for health, health protection measures, levels of health activity, content and organizational forms of health activity, health institutions (Outcome 1) 2. Rights and obligations of health workers in the performance their activities (providing and denial of help), mutual relations between health workers and patients, the appeal of conscience, professional secrecy, the obligation to report errors and omissions, keeping and keeping medical records, choosing another doctor, searching the doctor's office, health workers as witnesses and experts, ensuring the quality of the health service provided (professional training, professional supervision of the work of healthcare workers) (Outcome 2) 3. Work and organization of professional chambers - chambers of health workers (Obligation to join the Chamber; Exceptions from mandatory membership in the Chamber; Public powers of the Chamber; Affairs of the Chamber; Bodies of the Chamber; Supervision of the work of the Chamber; Cooperation of the Chamber with the ministry responsible for health and other bodies; Information Chambers; General Acts Chambers – Statute; Financing of work Chambers; Fund mutual help; Payment membership fees and others financial obligations member chambers) (Outcome 3) 4. Disciplinary liability of healthcare workers (Disciplinary violations; Serious and minor disciplinary violations; Disciplinary bodies; Disciplinary measures; Fines; Initiation of disciplinary proceedings; Appropriate application of the law; Statute of limitations; Misdemeanor liability), criminal and civil liability (Outcome 4) 5. Fundamental rights patients, Charters on rights patients (Outcome 5)
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Types of teaching method	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other			
Comments	-				
Students` obligations	Regularly and conscientiously attendance in all forms of classes				
Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
	Attendance classes	1 - 5	22	0.74	0
	Activities during classes	1 - 5	7.5	0.25	0 - 20
	Colloquium 1/oral	1 - 5	11.5	0.38	0 - 20
	In total	1 - 5	41	1.37	0-40 (50% grades)
	Closing exam/written	1-5	19	0.63	50% grades

	In total	1 - 5	60	2	100%
	Grade criteria	Activities in class	Colloquium/oral		
	Description	Preparation for teaching units Understanding the previous content Participation in common solving tasks	Level of knowledge (ability analysis, synthesis and Grades) Structuredness and accuracy of answers Logically connecting the facts Mastering professional terms and concepts Correlation with related contents		
	Points: min. - max.	0 - 20	0 - 20		

	Minimal number of points - passing threshold	10		10	
	Total	0 - 40			
	Total grade	Pass threshold	Score range	Grade	
		20 points	35 - 40	5 (excellent)	
			30 - 34.99	4 (very good)	
			26 - 29.99	3 (good)	
	20- 25.99		2 (satisfactory)		
	Conditions for forming the final grade				
	<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Pass colloquia 4. Collect at least 50% points 				

	<p>Final grade Final exam consists of: written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p>															
	<table border="1"> <thead> <tr> <th>% correct answers Final exam</th> <th>Numerical Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> </tr> <tr> <td>50 - 64.9 %</td> <td>2 (satisfactory)</td> </tr> </tbody> </table>	% correct answers Final exam	Numerical Grade	90 – 100 %	5 (excellent)	80 – 89.9 %	4 (very good)	65 – 79.9 %	3 (good)	50 - 64.9 %	2 (satisfactory)					
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65 – 79.9 %	3 (good)															
50 - 64.9 %	2 (satisfactory)															
	<p>Final grade Forming the Final grade: Based on the points achieved during classes and final exam. (classes 50 % + closing exam 50%). In the ECTS system, the grade is expressed in the following way:</p>															
	<table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical Grade</th> <th>ECTS - Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64.9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>	% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D
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Compulsory literature	<p>1. Čizmić J, Žunić Lj. Osnove zdravstvenog prava. Split: Sveučilište u Splitu, Sveučilišni odjel zdravstvenih studija, 2014. 2. Europska povelja o pravima pacijenata – Dostupno: http://www.dzbihac.com › dokumenti › evropska 3. Zakon o zaštiti prava pacijenata - Zakon.hr https://www.zakon.hr › Zakon-o-zaštiti-prava-pacijenata</p>		
Additional literature	<p>1. Čizmić, J, Klarić. A, Cvitković M, Zdravstveno strukovno staleško parvo. Maribor: Sveučilište u Mariboru, 2017.</p>		
Number of copies in the library	Title	Number of copies	Number of students
	<p>1. Čizmić J, Žunić Lj. Osnove zdravstvenog prava. Split: Sveučilište u Splitu, Sveučilišni odjel zdravstvenih studija, 2014.</p> <p>2. Europska povelja o pravima pacijenata – Dostupno: http://www.dzbihac.com › dokumenti › evropska</p>	<p>12</p> <p>12</p>	<p>60</p> <p>60</p>

	3. Zakon o zaštiti prava pacijenata - Zakon.hr https://www.zakon.hr › Zakon-o-zaštiti-prava-pacijenata	12	60
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p> <p>.</p>		

GENERAL INFORMATION

Course title	PATIENT SAFETY	
Course holder	Snježana Jušić, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Optional	
Year of study	1.	
Credit points and method of teaching	ECTS credits	2
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-15, E-15

COURSE DESCRIPTION

Course objectives	The course aims to acquaint students with all components of patient safety culture in healthcare institutions: recognition of risks that endanger the safety of the patient and education of health workers for prevention.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<ol style="list-style-type: none">1 - explain the importance of permanent advancements in patient security quality and health personnel in health institutions2 - analyse possible risks that endanger the safety of the patient in individual health institutions3 - apply measures on risks prevention that endanger the safety of the patient and healthcare professionals4 - educate staff, patients and families of the patient with the goal of promoting a safety culture
Content content	<ol style="list-style-type: none">1. Culture of security for patients and health employees in health institutions and measures for its improvement (Outcome 1)2. Risk factors that endanger safety of patients and health workers and ways to prevent possible risks (Outcome 2)3. Principles of implementing measures of patients and of health employees security in healthcare institutions (Outcome 3)4. Education of patients, health employees and family members of the patient to improve the safety culture (Outcome 4)5. multidisciplinary and interdisciplinarity in construction of security culture (Outcome 4)

Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other

Students' obligations	Regularly and conscientiously attendance in all forms of classes				
Monitoring and evaluation of students' work		Outcomes	Number of hours	ECTS	Points min. – max.
	Activities				
	Attendance classes	1 - 3	22	0.70	0
	Activities during classes	1. 3	9	0.30	0 - 10
	Colloquium 1/oral	1 - 3	12	0.40	0 - 10
	Production plan/ risk prevention	1 - 3	18	0.60	0 - 10
	In total	1 - 3	60	2	0 – 30 (100%)
	Final exam not taken				
	In total	1 - 3	60	2	100%
	Grade criteria	Activities during classes	Colloquium/oral	Production plan	
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks together	Preparation/learning Theoretical knowledge Accuracy of exercise performance or display/multimedia	Preparation for the creation of the plan: data collection - identification of risks Draft plan - projection of preventive activities Grade – measuring instruments	
	Points: min. - max.	0 - 10	0 - 10	0 - 10	

	Minimal number of points - passing threshold	5	5	5
	Total	0 - 30		
	Total grade	Pass threshold	Score range	Grade
		15 points	26 - 30	5 (excellent)
			23 - 25.99	4 (very good)
			19 - 22.99	3 (good)
	15 - 18.99		2 (satisfactory)	

	<p>Conditions for Final grade:</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Pass colloquium 5. To create risks prevention plan for safety of patients on clinical department - positive assessment 6. Positive clinical assessment exercises (adopt exercises) 7. Collect at least 50% points 		
	<p>CLINICAL EXERCISES</p> <p>Exercises/activities and interventions which are foreseen in Booklets for tracking and evaluation of exercises and clinical practices are not evaluated numerically.</p> <p>Success in performance exercises describes as:</p> <ul style="list-style-type: none"> • Exercise is adopted • Exercise it is not adopted 		
	<p>Final exam was not taken.</p>		
	<p>The grade is expressed in the following way:</p>		
	% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade
	90 – 100 %	5 (excellent)	A

	80 – 89.9 %	4 (very good)	B
	65 – 79.9 %	3 (good)	C
	50 -64.9 %	2 (satisfactory)	D
Compulsory literature	1. Europska povelja o pravima pacijenata – dostupno na: http://www.dzbiha.com/dokumenti/evropska_povelja_o_pravima_pacijenata.pdf 2. Pravilnik o standardima kvalitete zdravstvene zaštite i načinu njihove primjene, Narodne novine, br. 79/11 – dostupno na: https://narodne-novine.nn.hr/clanci/sluzbeni/2011_07_79_1693.html		
Additional literature	1. Kalauz S. Organizacija, upravljanje i administracija u zdravstvenoj njezi. Zagreb: Medicinska naklada, 2015. 2. Nastavni tekstovi 3. Aiken LH, Sermeus W, Vanden Heede K, et al. Patient safety, satisfaction, and quality of hospital care: cross sectional surveys of nurses and patients in 12 countries in Europe and the United States. British Medical Journal. BMJ 2012;344:2012.		
Number of copies	Title	Number	Number

Number of copies in the library		copies	students
	1. Europska povelja o pravima pacijenata – dostupno na: http://www.dzbiha.com/dokumenti/evropska_povelja_o_pravima_pacijenata.pdf	12	60
	2. Pravilnik o standardima kvalitete zdravstvene zaštite i načinu njihove primjene, Narodne novine, br. 79/11 – dostupno na: https://narodne-novine.nn.hr/clanci/sluzbeni/2011_07_79_1693.html	12	60
Quality control methods that ensure acquisition output knowledge, skill and competence	Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in classes, as well as the information obtained about students' progress through colloquia, the information necessary for further instructions students in order to increase efficiency their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on yearly condition of employment students, surveys the employer and associations Alumni and others.		

GENERAL INFORMATION		
Course title	TEAMWORK IN NURSING	
Course holder	Nikolina Višnjić Junaković, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Optional	
Year of study	1.	
Credit score and method of teaching	ECTS credits	2
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-15, E -15

COURSE DESCRIPTION										
Course objectives	To introduce students with the forming of teams, team dynamic, team work in healthcare, including interdisciplinary, multidisciplinary and transdisciplinary work.									
Terms of course entry and required competencies	None									
Expected learning outcomes on the course level	1 - explain the principles of team of work and construction of the team 2 - describe group dynamics and ways of management in the team 3 - apply principles of nurses in work at inter-multi and transdisciplinary teams									
Content content	1. Forming team and its construction (Outcome 1) 2. Group dynamics in a team and ways of team management (Outcome 2) 3. Principles of nursing work in inter-multi and transdisciplinary teams (Outcome 3)									
Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other								
Comments	-									
Students' obligations	Regularly and conscientiously attend all form of classes									
Monitoring and evaluation of students' work	Activities	<table border="1"> <thead> <tr> <th>Outcomes</th> <th>Number of hours</th> <th>ECTS</th> <th>Points min. – max.</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Outcomes	Number of hours	ECTS	Points min. – max.				
Outcomes	Number of hours	ECTS	Points min. – max.							

	Attendance classes	1 - 3	22	0.70	0
	Activity during classes	1 - 3	9	0.30	0 - 10

	Colloquium 1/oral	1 - 3	12	0.40	0 - 10
	Exercise/team work	1 - 3	18	0.60	0 - 10
	In total	1 - 3	60	2	0 – 30 (100% grades)
	Closing exam is not taken				
	In total	1 - 3	60	2	100%
	Grade criteria	Activities during class	Colloquium/oral	Practice/play role in the team	
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks	Preparation/learning Theoretical knowledge Accuracy of exercise performance or display/multimedia	Plan preparation: Assignment role Preparation of roles Role playing Grade	
	Points: min. - max.	0 - 10	0 - 10	0 - 10	
	Minimal number of points - passing threshold	5	5	5	
	Total	0 - 30			
		Pass treshold	Score range	Grade	
	Total grade	15 points	26 - 30	5 (excellent)	
			23 - 25.99	4 (very good)	
			19 - 22.99	3 (good)	
			15 - 18.99	2 (satisfactory)	
	Conditions for forming Final grades				
	1. Actively participate in classes				
	3. Pass colloquia				
	4. Positively evaluated work in practice group				
	5. Collect at least 50% points				

	Final exam not taken
	Final grade Forming Final grades:collected points during classes.

	system Grade are shows on following way:															
	<table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical Grade</th> <th>ECTS - Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64.9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>	% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D
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80 – 89.9 %	4 (very good)	B														
65 – 79.9 %	3 (good)	C														
50 -64.9 %	2 (satisfactory)	D														

Compulsory literature	<ol style="list-style-type: none"> 1. Kalauz S. Organizacija, upravljanje i administracija u zdravstvenoj njezi. Zagreb: Medicinska naklada, 2015. 2. Hoolp L, Upravljanje timovima. Zagreb: Mate d.o.o. 2014
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Additional literature	<ol style="list-style-type: none"> 1. West M. Tane uspješnog upravljanja timom. Zagreb: Školska knjiga. 2006.
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	Title	Number of copies	Number of students
Number of copies in the library	1. Kalauz S. Organizacija, upravljanje i administracija u zdravstvenoj njezi. Zagreb: Medicinska naklada, 2015.	12	60
	2. Hoolp L., Upravljanje timovima. Zagreb: Mate d.o.o. 2014	12	60

Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the others.</p>
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GENERAL INFORMATION		
Course title	PROTECTION OF PATIENTS' RIGHTS IN HEALTHCARE SYSTEM	
Course holder	Sanja Veštic Mirčeta, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Optional	
Year of study	1.	
Credit score and method of teaching	ECTS credits	2
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-15, S- 15

COURSE DESCRIPTION	
Course objectives	The goal of the course is to provide introduction to rights that patients are entitled to as well as means of protection and of promoting of patients rights.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<ol style="list-style-type: none"> 1. explain the patient right to receive quality and continuous healthcare protection according to patient health condition 2. explain the principles of protection of patients rights in the Republic of Croatia 3. analyse each individual patient right 4. explain the role of regional committees for the protection of patients rights and the Committee for the Protection of Patients' Rights of the Ministry of Health
Course content	<ol style="list-style-type: none"> 1. Patient right to receive quality and continuous health care adequate to patient health condition, according to professional standards and ethical principles, in the patient best interest and with respecting patients personal beliefs (outcome 1) 2. Principles of protecting patients rights in the Republic of Croatia – the principle of humanity and principle of availability (Outcome 2) 3. Patients rights to healthcare protection: the right to co-decision, the right to be informed - protection of patients who are not capable of giving consent, protection of patients undergoing scientific research, right to access medical documentation, the right to confidentiality, the right to maintain personal contacts, the right to voluntarily leave a healthcare facility, the right to privacy and the right to compensation for damages (Outcome 3) 4. Role of regional Committees for the Protection of Patients' Rights and Committee for the Protection of Patients Rights of the Ministry of health (Outcome 4)

Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input checked="" type="checkbox"/> field work	<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other
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Comments	-				
Students' obligations	Regularly and conscientiously attend all forms of classes				
Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
	Attendance of classes	1 - 4	22	0.70	0
	Activities during classes	1 - 4	20	0.70	0 - 20
	Seminar – preparation, production and presentation	1 - 4	18	0.60	0 - 10
	In total	1 - 4	60	2	0 – 30 (100% grades)
	The final exam not taken				
	In total		60	2	100% grades
	Grade criteria	Activities during classes	Seminar – preparation, production and presentation		
	Description	Preparation for teaching units Understanding previous contents Participation in solving tasks Visit Association for the protection of patients' rights:	Organization/structure of paper Vocabulary and grammar Expertise and professional terminology Style of writing Citation and citing references		

		Preparation for visit	Presentation/multimedia	
		Discussion and situation analysis		
		Writing visit report		
	Points: min. - max.	0 - 20	0 - 10	
	Minimal number of points - passing threshold	10	5	
Total	0 - 30			
Total grade	Pass threshold	Score range	Grade	
	15 points	26 - 30	5 (excellent)	

		23 - 25.99	4 (very good)
		19 - 22.99	3 (good)
		15 - 18.99	2 (satisfactory)
Conditions for forming the final grade			
1. Regularly attend classes			
2. Actively participate in classes			
3. Pass colloquium			
4. Collect at least 50% points			
Final exam not taken			
Final grade			
Forming final grade: on the basis of collected points during classes. In the ECTS system, grades are expressed in the following way:			
% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade	
90 – 100 %	5 (excellent)	A	
80 – 89.9 %	4 (very good)	B	
65 – 79.9 %	3 (good)	C	
60 -64.9 %	2 (satisfactory)	D	
50-59,9%	2 (satisfactory)	E	

Compulsory literature	<p>1. Europska povelja o pravima pacijenata – available at: http://www.dzbihac.com/dokumenti/evropska_povelja_o_pravima_pacijenata.pdf</p> <p>2. Zakon o zaštiti prava pacijenata, Narodne novine, br. 169/04, 37/08 – available at: https://www.zakon.hr › Zakon-o-zaštiti-prava-pacijenata</p> <p>3. Teaching materials</p>		
Additional literature	<p>1. Patton F at all Nurses Making policy, Second Edition: From Bedside to Boardroom 2nd Edition Kindle Edition, 2019.</p>		
Number of copies in the library	Title	Number of copies	Number of students
	<p>1. Europska povelja o pravima pacijenata – Available at: : . http://www.dzbihac.com/dokumenti/evropska_povelja_o_pravima_pacijenata.pdf</p>	12	60
	<p>2. Zakon o zaštiti prava pacijenata, Narodne novine, br. 169/04, 37/08 – available at: : https://www.zakon.hr › Zakon-o-zaštiti-prava-pacijenata</p>	12	60
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>		

GENERAL INFORMATION		
Course title	PHARMACOLOGY	
Course holder	Asst. PhD Marko Skelin, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and method of teaching	ECTS credits	3
	Number of hours (LECTURES+EXERCISES+SEMINARS)	L-30, E-15

COURSE DESCRIPTION													
Course objectives	The aim of the course is for students to acquire the basic knowledge and information in the field of pharmacotherapy, pharmacology, and clinical pharmacology necessary for professional bachelor's degrees in nursing in their daily work with patients.												
Terms of course entry and required competencies	None												
Expected learning outcomes on the course level	<p>1 - explain the foundations of general pharmacology and clinical pharmacology according to areas I 2 - describe the pharmacokinetics and pharmacodynamics of the main groups of drugs</p> <p>3 - recognize the expected effects of drugs that most often apply to their side effects and interactions</p> <p>4 - state drugs, their application, and effects on special groups of patients (elderly, children, pregnant women, with impaired kidney or liver function)</p> <p>5 - present elementary knowledge in clinical examinations of medicines and legislation in the field of medicines</p>												
Course content	<ol style="list-style-type: none"> 1. General pharmacology (introduction, classification of drugs: methods of drug application, nomenclature), and foundations of clinical pharmacology: Pharmacology of the autonomic nervous system; Pharmacology of the central nervous system. 2. Anesthetics, analgesics, and anti-inflammatory drugs. 3. Drugs for treatment of heart and vascular system disorders. 4. Drugs for treatment of digestive system disorders (Outcome 1) 5. Pharmacokinetics and pharmacodynamics, principles of clinical examinations of drugs (Outcome 2) 6. Clinical examination of drugs, legislation on drugs area (Outcome 3) 7. Side effects and interactions with medicines that are most often applied in treatment (Outcome 4) 8. Drugs in special groups the patient (elderly, children, pregnant women, with impairment of kidney or liver function) (Outcome 5) 												
Types of teaching	<table border="0"> <tr> <td><input checked="" type="checkbox"/> lectures</td> <td><input checked="" type="checkbox"/> independent assignments</td> </tr> <tr> <td><input type="checkbox"/> seminars and workshops</td> <td><input checked="" type="checkbox"/> multimedia and network</td> </tr> <tr> <td><input checked="" type="checkbox"/> exercises</td> <td><input type="checkbox"/> laboratory</td> </tr> <tr> <td><input checked="" type="checkbox"/> practical work</td> <td><input type="checkbox"/> mentoring work</td> </tr> <tr> <td><input type="checkbox"/> distance learning</td> <td><input checked="" type="checkbox"/> continuous evaluation</td> </tr> <tr> <td><input type="checkbox"/> field work</td> <td><input checked="" type="checkbox"/> consultative teaching</td> </tr> </table>	<input checked="" type="checkbox"/> lectures	<input checked="" type="checkbox"/> independent assignments	<input type="checkbox"/> seminars and workshops	<input checked="" type="checkbox"/> multimedia and network	<input checked="" type="checkbox"/> exercises	<input type="checkbox"/> laboratory	<input checked="" type="checkbox"/> practical work	<input type="checkbox"/> mentoring work	<input type="checkbox"/> distance learning	<input checked="" type="checkbox"/> continuous evaluation	<input type="checkbox"/> field work	<input checked="" type="checkbox"/> consultative teaching
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Students` obligations	Regularly and conscientiously attendance all forms of classes					
Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.	
	Attendance classes	1 - 5	34	1.14	0	
	Activities during classes	1 - 5	4	0.13	0 - 10	
	Colloquium 1/written	1 - 5	12	0.40	0 - 20	
	Colloquium 2/practical - oral	1 - 5	12	0.40	0 - 20	
	In total	1 - 5	62	2.07	0 – 50 (50% grades)	
	Closing exam/written	1 - 5	28	0.93	50% grades	
	In total		90	3	100%	
	Grade criteria	Activities in class	Colloquy/written/1		Colloquium 2 practical/oral	
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks	Scoring and grading according to correct answers in the test with questions which have four offered answers, one of which is exact. The test has 20 questions, each correct answer brings 1 point		Preparation/learning Theoretical knowledge Accuracy of exercise performance or display/multimedia	
	Points: min. - max.	0 - 10	0 - 20		0 - 20	
	Minimal number of points - passing threshold	5	10		10	
	Total	0 - 50				
	Total grade	Pass threshold	Score range	Grade		
		25 points	45 - 50 38 - 44.9	5 (excellent) 4 (very good)		

		32 - 37.9	3 (good)															
		25 - 31.9	2 (satisfactory)															
<p>Conditions for forming the final grade</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part during classes 3. Pass colloquia 4. Collect at least 50% points 																		
<p>Final grade Final exam consists of: written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p> <table border="1"> <thead> <tr> <th>% correct answers Final exam</th> <th>Numerical Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> </tr> <tr> <td>50 - 64.9 %</td> <td>2 (satisfactory)</td> </tr> </tbody> </table>				% correct answers Final exam	Numerical Grade	90 – 100 %	5 (excellent)	80 – 89.9 %	4 (very good)	65 – 79.9 %	3 (good)	50 - 64.9 %	2 (satisfactory)					
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Compulsory literature	<ol style="list-style-type: none"> 1. Igor Francetić, Dinko Vitezić (ur.). Klinička farmakologija, Medicinska naklada, Zagreb, 2014. 																	
	<ol style="list-style-type: none"> 2. Šokota A, Kalauz S. Lijekovi - Oblici i primjena. Naklada Slap, 2008. 																	

Additional literature	<p>1. Ostojić Kolonić S, Pavliša G, Mandac Rogulj I. Farmakologija. Zdravstveno veleučilište, Zagreb, 2012.</p> <p>2. Karch AM, Lynn P. Focus on Nursing Pharmacology (6th Ed). + Lippincott Photo Atlas of Medication Administration (5th Ed). Lippincott Williams & Wilkins, 2014.</p>		
Number of copies in the library	Title	Number of copies	Number of students
	1. Igor Francetić, Dinko Vitezić (ur.). Klinička farmakologija, Medicinska naklada, Zagreb, 2014.	12	60
	2. Karch AM, Lynn P. Focus on Nursing Pharmacology (6 th Ed). + Lippincott Photo Atlas of Medication Administration (5 th Ed). Lippincott Williams & Wilkins, 2014	12	60
Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control quality of work students and acquisitions necessary knowledge and skill insured will through interactive work. By guiding records on presence and activities students in continue and the information obtained about the students' progress through colloquiums will provide the information necessary for further instructions to the students in order to increase the efficiency of their work. Students will be sent in their own rights and obligations you methods of work and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>		

GENERAL INFORMATION		
Course title	DIETETICS	
Course holder	PhD Nikolina Gaćina, senior lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and method of teaching	ECTS credits	3
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-30, E-15, S- 15

COURSE DESCRIPTION	
Course objectives	The objectives of the course are to acquire basic knowledge of nutrition to understand the importance of proper nutrition diet healthy and the sick person respectively different population groups. Different pathological conditions and diseases. Students will learn basic knowledge and skills in assessing the patient's nutritional status and creating diet menus.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - describe species of macronutrients and micronutrients together with basic principles of proper/healthy diet</p> <p>2 - plan menu adjusted to life age, category and health condition (Outcome 2)</p> <p>3 - estimate factors that affect irregular nutrition and negative health of individuals</p> <p>4 - describe diets in acute and chronic diseases, peculiarities of nutrition code in operated patients and nutrition in special conditions (PEG, enteral, parenteral nutrition)</p> <p>5 - apply anthropometric methods for assessment nutrition conditions with individuals and population groups</p> <p>6 - compose a Menu according to physiological and energy needs of individuals and certain population groups</p>
Course content	<ol style="list-style-type: none"> 1. Introduction to the subject, definition of dietetics, history of nutrition science, basic principles of proper nutrition, the body's needs for energy and protective substances, digestion, absorption and metabolism of fats, proteins, carbohydrates, vitamins and minerals, the role of water in the body, the healthiness of food (Outcome 1) 2. Plan a menu with foods that are adapted to age, patient category and health condition (Outcome 2) 3. Public health aspects of nutritional disorders, nutritional deficits and diseases caused by insufficient and improper nutrition (Outcome 3) 4. Diets with acute and chronic diseases and peculiarities of diet in operated patients and nutrition in special conditions: PEG, nutrition through stomach probes – indications, types and techniques of feeding, preparations, complications; parenteral nutrition: - partial and total parenteral nutrition, parenteral nutrition techniques, preparations for parenteral nutrition, complications parenteral nutrition and their prevention (Outcome 4) 5. Methods of grading nutrition conditions, measures for assessment and advancement diet (Outcome 5) 6. Energy needs of individual population group and compilation of menus according to their physiological needs (Outcome 6)

Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments	-			
Students` obligations	Regularly and conscientiously attendance in all forms of classes				
Tracking and valuation of work students	Activities	Outcomes	Number of	ECTS	Points min. – max.
	Attendance classes	1 - 6	34	1.5	0
	Activities during classes	1-6	5.5	0.15	0 - 10
	Colloquium 1/written	1 - 6	4,5		0 - 10
	Seminar paper - writing and exposure	1-6	9	0.30	0 - 10
	Colloquium/exercise - oral	1 - 6	9	0.30	0 - 20
	In total	1 - 6	62	2.25	0 – 50 (50% grades)
	Final exam/written	1 - 6	28	0.75	50 % of grade
	In total		90	3	100%
	Criteria Grade	Activities	Colloquium 1/written	Colloquium 2 exercises/oral	Writing and exposure seminar of work
Description	Preparation for educational units Understanding previous contents Participation in joint tasks	Scoring and grading according to correct answers in the test with questions which they have four answers offered, one of which is correct. The test has 20 questions from what each the correct answer carries 0.5	Task: Production menu according default diet: Theoretical Understanding the task Creating a menu	Organization/art Ructure of work Vocabulary and grammar Expertise and professional terminology Style of writing Citation and listing references Exposure/multi	

					media
Points: min. - max.	0 - 10	0 - 10	0 - 20	0 - 10	0 - 10
Min. number of points- passing threshold	5	5	10	5	
Total points	0 - 50				
Total grade	Pass treshold	Score range	Grade		
	25 points	45 – 50	5 (excellent)		
		38 - 44.9	4 (very good)		
		32 - 37.9	3 (good)		
		25 - 31.9	2 (satisfactory)		
Conditions for forming the final grade					
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Pass colloquia 4. Collect at least 50% points 5. Get positive assessment from seminars 					
Final grade					
Final exam consists of: written exam.					
If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:					
% correct answers Final exam		Numerical Grade			
90 – 100 %		5 (excellent)			
80 – 89.9 %		4 (very good)			
65 – 79.9 %		3 (good)			
50 - 64.9 %		2 (satisfactory)			

	<p>Final grade</p> <p>Forming the Final grade: Based on the points achieved during classes and final exam. (teaching 50 % + closing exam 50%). In the ECTS system, the grade is expressed in the following way:</p> <table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical Grade</th> <th>ECTS - Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64.9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>			% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D
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Compulsory literature	<ol style="list-style-type: none"> Štimac D. I sur. Dijetoterapija I klinička prehrana, Medicinska naklada, Zagreb, 2014. Kolaček S. i sur. Prehrana u općoj i kliničkoj pedijatriji, Medicinska naklada, Zagreb, 2016. Kalauz S. i sur. Zdravstvena njega kirurških bolesnika. Poglavlje: Prehrana kirurških bolesnika (Martinis I). Zagreb: Zdravstveno veleučilište: 2021. e - izdanje 																	
Additional literature	<ol style="list-style-type: none"> Dudek SG. Nutrition Essentials for Nursing Practice (7th Edition). Lippincott Williams & Wilkins, 2013. . 																	
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Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>																	

GENERAL INFORMATION		
Course title	INFORMATICS IN HEALTH CARE	
Course holder	Ph.D. Ivan Livaja, college professor	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and method of teaching	ECTS credits	2
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-15, E -30

COURSE DESCRIPTION		
Course objectives	To introduce students to the basics of nursing informatics and its application in the field of health care. Thus, the student could apply the acquired knowledge and skills in computer communication and searching scientific databases, as well as the application of information technology in nursing documentation.	
Terms of course entry and required competencies	None	
Expected learning outcomes on the course level	1 - explain fundamental terms of informatics in health informational system (BIS, CEZIH) 2 - apply computer techniques in the process of nursing care 3 - select relevant scientific data bases which apply to the nursing care process, and for learning and research 4 - apply IT technology to all communication processes in health institutions 5 - apply IT knowledge in the process of advancements in nursing documentation and protection of health and personal data of patients	
Course content	1. Determination of fundamental terms of informatics and its significance for the development of knowledge and improvement of professional practice (Outcome 1) 2. Technical base IT system - basic parts and their function (Outcome 1) 3. Programmatic support needed for a work computer system - system software support, application software support (Outcome 1) 4. Health informative systems: principles and levels – BIS and CEZIH (Outcome 1) 5. Basic forms of applications of computers in search scientific data bases with the aim of learning and research (Outcome 2) 6. Application of IT in advancement of health care process (evidence-based nursing care) (Outcome 2 and 3) 7. Application of IT technologies as system support into all communication processes in healthcare institutions (Outcome 4) 8. Application and evaluation of e-nursing documentation (Outcome 5)	
Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning	<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation

	<input type="checkbox"/> field work		<input checked="" type="checkbox"/> consultative teaching		
			<input type="checkbox"/> other		
Comments	-				
Students' obligations	Regularly and conscientiously attendance in all forms of classes				
Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
	Attendance classes	1 - 5	34	1.14	0
	Activities during classes	1 - 5	4	0.13	0 - 20
	Colloquium 1/written	1 - 5	3	0.10	0 - 10
	Colloquium 2/exercises	1 - 5	6	0.30	0 - 30
	In total	1 - 5	47	1.67	0 – 60 (50% grades)
	Final exam/written		13	0.33	50% grades
	In total		60	2	100%
	Grade criteria	Activities during classes	Colloquium 1/written	Colloquium 2/oral exercises	
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks	Scoring and grading according to correct answers in the test with questions which have four offered answers, one of which is exact. Test has 20 questions, and the correct answer carries 0.5 points.	Preparation/learning Theoretical knowledge The accuracy of computer performance tasks	
	Points: min. - max.	0 - 20	0 - 10	0 - 30	
	Minimal number of points - passing threshold	10	5	15	
	Total	0 - 60			
	Total	Pass threshold	Score range	Grade	

	grade	30 points	54 – 60	5 (excellent)
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			48 – 53.99	4 (very good)
			42 – 47.99	3 (good)
			30 – 41.99	2 (satisfactory)

Conditions for forming the final grade

1. Regularly attend classes
2. Actively participate in classes
3. Pass colloquia
4. Collect at least 50% points

Final grade

Final exam consists of: written exam.

If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:

% correct answers Final exam	Numerical Grade
90 – 100 %	5 (excellent)
80 – 89.9 %	4 (very good)
65 – 79.9 %	3 (good)
50 - 64.9 %	2 (satisfactory)

Final grade

Forming the Final grade: Based on the points achieved during classes and final exam. (teaching 50 % + closing exam 50%). In the ECTS system, the grade is expressed in the following way:

% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade
90 – 100 %	5 (excellent)	A
80 – 89.9 %	4 (very good)	B
65 – 79.9 %	3 (good)	C
50 -64.9 %	2 (satisfactory)	D

Compulsory

1. Kern J. Petrovečki, M. Medicinska informatika. Medicinska naklada, Zagreb, 2009.

literature	2009 (selected chapters) 2. Maletić F, Šimović V., Afrić W. Osnove informatike. Golden marketing/Učiteljski fakultet, Zagreb, 2010		
Additional literature	1. McGonigle D, Mastrian K. Nursing Informatics And The Foundation Of Knowledge (2nd ^{Ed.}). Jones & Bartlett Learning, 2011.		
Number of copies in the library	Title	Number of copies	Number of
	1. Kern J. Petrovečki, M. Medicinska informatika. Medicinska naklada, Zagreb, 2009. (selected chapters)	12	60
	2. Maletić F, Šimović V., Afrić W. Osnove informatike. Golden marketing/Učiteljski fakultet, Zagreb, 2010	12	60
Quality control methods that ensure acquisition output knowledge, skill and competence	Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.		

GENERAL INFORMATION

Course title	COMMUNICATION SKILLS	
Course holder	PhD Zdravko Kedžo, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and method of teaching	ECTS credits	2
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-15, E- 15

COURSE DESCRIPTION

Course objectives	Present to students elementary principles, species and shapes of human communication the specifics of communication in healthcare and train them for effective communication with patients and their family members.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - explain term, types, goals and principles of communication and informative and therapeutic communication</p> <p>2 - explain basic communication styles, concept of listening, importance of listening and active listening techniques</p> <p>3 - explain the basic non-verbal and verbal ways of communication, assertive communication, obstacles in communication in general and obstacles in communication with the patient and family member</p> <p>4 - explain specificities in communication with persons with limited communication skills, children, adolescents and the elderly</p> <p>5 - explain the concept of empathy and compassion and importance of empathy and compassion in communication with the patient and his/her family</p> <p>6 – resolve simple objections with the patient and members of his/her families</p>
Course content	<ol style="list-style-type: none"> 1. Introduction to communication, the concept of communication, types, goals and principles of communication and the concept of informational and therapeutic communication (Outcome 1) 2. Basic communication styles, the concept of listening, the importance of listening and active listening techniques (Outcome 2) 3. Basic non-verbal and verbal ways of communication, assertive communication, basic obstacles in communication and obstacles in communication with the patient and a family member (Outcome 3) 4. Specifics of communication with people with limited communication skills, children, adolescents and the elderly. Non-verbal communication with such persons - methods (Outcome 4) 5. Empathy and the importance of empathy in communication with the patient and his/her family (Outcome 5) 6. Complaints and complaint handling techniques and feedback: structure and communication (Outcome 6)

Types of teaching	<input checked="" type="checkbox"/> lectures	<input checked="" type="checkbox"/> independent assignments
	<input checked="" type="checkbox"/> seminars and workshops	<input type="checkbox"/> multimedia and network
	<input checked="" type="checkbox"/> exercises	<input type="checkbox"/> laboratory
	<input checked="" type="checkbox"/> practical work	<input type="checkbox"/> mentoring work

<input type="checkbox"/> distance learning	<input checked="" type="checkbox"/> continuous evaluation
<input type="checkbox"/> field work	<input checked="" type="checkbox"/> consultative teaching
	<input type="checkbox"/> other

Comments	-
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Students' obligations	Regularly and conscientiously attendance in all forms of classes
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Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points
					min. – max.
	Attendance classes	1 - 6	23	0.80	0
	Activities during classes	1 - 6	5	0.15	0-10
	Colloquium 1/oral	1 - 6	4,5	0.15	0-10
	Colloquium 2/exercises/M and orally	1 - 6	9	0.30	0-20
	In total	1 - 6	41.5	1,4	0 – 40 (50% grades)
	Final exam/written	1 - 6	18.5	0.60	50%
	In total	1 - 6	60	2	50%
	Grade criteria	Activities during classes	Colloquium 1/oral	Colloquium 2/M and orally	
	Description	Preparation for teaching units Understanding previous content Participation in common solving tasks	Level of knowledge (ability analysis, synthesis and Grades) Structuredness and accuracy of answers Logically connecting the facts Conduct professional terms and concepts Correlation with related contents	Group work - Preparation Role play Analysis of errors in communication Listening associates Giving feedback	

	Points: min. - max.	0 - 10	0 - 10	0 - 20
	Minimal number of points - passing threshold	5	5	10
	Total	0 - 40		
	Total	Prague	Span	Grade

	Grade	transience	points	
			35 - 40	5 (excellent)
			30 - 34.99	4 (very good)
	20 points		26 - 29.99	3 (good)
			20 - 25.99	2 (satisfactory)
Conditions for forming the final grade				
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Pass colloquia 4. Collect at least 50% points 				
Final grade				
Final exam consists of: written exam.				
If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:				
		% correct answers Final exam	Numerical Grade	
		90 – 100 %	5 (excellent)	
		80 – 89.9 %	4 (very good)	
		65 – 79.9 %	3 (good)	
		50 - 64.9 %	2 (satisfactory)	
Final grade				
Forming the Final grade: Based on the points achieved during classes and final exam. (teaching 50 % + closing exam 50%). In the ECTS system, the grade is expressed in the following way:				

	<table border="1"> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical Grade</th> <th>ECTS - Grade</th> </tr> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64.9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </table>			% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D
% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade																
90 – 100 %	5 (excellent)	A																
80 – 89.9 %	4 (very good)	B																
65 – 79.9 %	3 (good)	C																
50 -64.9 %	2 (satisfactory)	D																
Compulsory literature	<ol style="list-style-type: none"> Lučanin D, Lučanin –Despot J. Komunikacijske vještine u zdravstvu. Jastrebarsko: Naklada Slap, 2010 Samovar LA, Porter RE, McDaniel ER.. Komunikacija između kultura. Jastrebarsko: Naklada Slap, 2013.. 																	
Additional literature	<ol style="list-style-type: none"> Leinert-Novosel S. Komunikacijski kompas. Zagreb: Plejada, 2012. Jugo D. Menadžment kriznog komuniciranja. Zagreb: Školska knjiga, 2016 																	
Number of copies in the library	Title	Number of copies	Number of students															
	1. Lučanin D, Lučanin –Despot J. Komunikacijske vještine u zdravstvu. Jastrebarsko: Naklada Slap, 2010	12	60															
	2. Samovar LA, Porter RE, McDaniel ER.. Komunikacija između kultura. Jastrebarsko: Naklada Slap, 2013.	12	60															
Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>																	

GENERAL INFORMATION		
Course title	PROCESS OF NURSING CARE II	
Course holder	Ana Žepina Puzić, MSN, lecturer	
Study programme- undergraduate	Undergraduate Professional Study Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and forms of teaching	ECTS credits	6
	Hours (Lectures+ Exercises+ Seminars)	L-20, E-120, S- 15

COURSE DESCRIPTION	
Course objectives	The objectives of the course are to familiarize students with the health care process as a basic model in caring for patients and their basic human needs and health care planning: with nursing history, nursing diagnoses, goals, interventions, and to enable them to understand principles of work into all areas of health care.
Terms of course entry and required competences	There are no conditions for enrollment, but passing the course is possible exclusively after successfully passing the course Health Care Process I.
Expected learning outcomes on course level	1 - make individual health care plans in the clinical environment/patient (case study) 2 - perform planned healthcare in the clinical environment (case study) 3 - keep nursing documentation
Course content	<ol style="list-style-type: none"> 1. Creating an individual health care plan in a clinical setting/patient (including all specifics in relationship to disease diagnosis and patient characteristics/holistic approach): <ol style="list-style-type: none"> a. Data collection: data types, data sources, methods of data collection and aids; analysis and synthesis data, evaluation of collected data b. Nursing diagnoses: current nursing diagnoses, potential nursing diagnoses, high-risk nursing diagnoses, favorable nursing diagnoses, nursing-medical problem; methods of formulating nursing diagnoses, the relationship between nursing diagnoses and medical diagnoses c. Defining Health Care Outcomes/SMART - technique, outcome evaluation, outcome measurement methods and tools d. Interventions and activities (depending on the set outcome, guidelines, or algorithms) e. Evaluation/re-evaluation of health care plan (Outcome 1) 2. Enforcement of planned health care in the clinical environment - case studies (data collection/anamnesis, diagnosis, definition of goals/outcomes, election and implementation of interventions and evaluation) (Outcome 2) 3. Keeping nursing documentation (Outcome 3)

Types teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input checked="" type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments	-			
Students` obligations	Regularly and conscientiously attendance of all types of classes				
Monitoring and evaluating student work	Activities	Outcomes	Hours	ECTS	Points min. – max.
	Attendance	1 - 3	128	4.2	0
	Activity during classes	1 - 3	6	0.20	0 - 10
	Seminar	1 - 3	6	0.20	0 - 20
	Colloquium/oral	1 - 3	6	0.20	0 - 20
	Colloquium/exercise/oral about creating a health care plan	1 - 3	8	0.30	0 - 20
	Activity during classes Total		154	5.1	0-70 (50% grades)
	Closing exam/written		26	0.90	50%
	Activity during classes Total		180	6	100%
	Evaluation criteria	Activities in class	Seminar/production and exposure	Colloquy/oral	Colloquium practice/oral : making of health care plan
Description	Preparation for teaching units Understanding previous content Participation in	Organization/structure of work Vocabulary and grammar Expertise and professional terminology	Level of knowledge (ability to analyse, synthesize and evaluate) Structuredness and answer accuracy	Creating a health care plan during pre-clinical exercises and before going to clinical	

		joint solving of tasks	style of writing Citation and citing references Exposure/multimedia	Logical linking of facts Mastery of professional terms Correlation with related content	exercises/ case simulation: Accuracy in the steps/phases of the process Understanding each stage of the process outcome measurement instruments Principles of evaluation and reevaluation
Points: min. - max.		0 - 10	0 - 20	0 - 20	0 - 20
Min. number of points-passing threshold		5	10	10	10
Total points	0 - 70				
Total grade	Pass treshold	Points range	Grade		
	35 points	63 - 70	5 (excellent)		
		56 - 62.99	4 (very good)		
		49 - 55.99	3 (good)		
		35 - 48.99	2 (satisfactory)		
Conditions for accession final the exam					
1. Regularly attend classes					
2. Actively taking part in classes					
3. Pass colloquia					
4. Collect at least 50% points					
5. Clinical exercises – adopted 100% including 10% of exercises transferred from Health care processes I					
6. Get a positive assessment from seminars					

CLINICAL EXERCISES

Exercises/activities and interventions that are provided in Booklets for tracking and evaluating Clinical exercises and clinical practices are not evaluated summatively.

Success in performance of exercises is described as:

- Exercise is adopted
- Exercise it is not adopted

Closing exam - criterion Grades

The closing exam consists of a written exam.

If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:

% correct answers Final exam	Numerical grade
90 – 100 %	5 (excellent)
80 – 89.9 %	4 (very good)
65 – 79.9 %	3 (good)
50 - 64.9 %	2 (satisfactory)

Final Grade

The formation of the final grade according to the Rulebook on studying is the sum of the percentages of acquired knowledge, skills and competences achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%)

% of acquired knowledge, skills and competencies	Numerical grade	ECTS - Grade
90 – 100 %	5 (excellent)	A
80 – 89.9 %	4 (very good)	B
65 – 79.9 %	3 (good)	C
50 -64.9 %	2 (satisfactory)	D

Compulsory literature	<ol style="list-style-type: none"> 1. Fučkar, G. Proces zdravstvene njege. Medicinski fakultet Sveučilišta u Zagrebu. Zagreb, 1995. 2. Fučkar, G. Uvod u sestrinske dijagnoze.HUSE. Zagreb. 1996 3. Abou Aldan, D. i sur. Sestrinske dijagnoze 3. HKMS. Zagreb. 2015 4. Čukljek, S. Proces zdravstvene njege i odabrane sestrinske dijagnoze.Zagreb: Zdravstveno veleučilište Zagreb; 2023. 5. Šepec, S. i sur. Sestrinske dijagnoze. Zagreb: Hrvatska Komora Medicinskih Sestara; 2011. 5. 6. Kadović, M. i sur. Sesstrinske dijagnoze II. Zagreb: Hrvatska Komora Medicinskih Sestara; 2013 		
Additional literature	<ol style="list-style-type: none"> 1. https://dl.uswr.ac.ir/bitstream/Hannan/HANDBOOK_OF_Nursing_DIAGNOSIS_14th_EDITION.pdf 		
Number copies Compulsory literature per number of case	Title	Number of copies	Number of student
	1. Fučkar, G. Proces zdravstvene njege. Medicinski fakultet Sveučilišta u Zagrebu. Zagreb, 1995.	12	60
	2. Fučkar, G. Uvod u sestrinske dijagnoze.HUSE. Zagreb. 1996	12	60
	3. Abou Aldan, D.i sur. Sestrinske dijagnoze 3. HKMS. Zagreb. 2015	12	60
	4. Čukljek, S. Proces zdravstvene njege i odabrane sestrinske dijagnoze.Zagreb: Zdravstveno veleučilište Zagreb; 2023.	12	60
	5. Šepec, S. i sur. Sestrinske dijagnoze. Zagreb: Hrvatska Komora Medicinskih Sestara; 2011. 6. Kadović, M. i sur. Sesstrinske dijagnoze II. Zagreb: Hrvatska Komora Medicinskih Sestara; 2013	12	60
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>		

GENERAL INFORMATION		
Course title	CLINICAL PRACTICE IN NURSING CARE I	
Course holder	Nevena Šimunić, MsN lecturer	
Study program	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and forms of teaching	ECTS credits	5
	(LECTURES+EXERCISES+SEMINARS)	E -150

COURSE DESCRIPTION	
Course objectives	To acquaint the student with the basic principles of health care, the process of health care, and fundamental skills of nursing care by guiding nursing documentation in clinical practice
Condition for course enrollment	None
Expected learning outcomes on the course level	<p>1 - describe nursing care to the patient based on basic human needs</p> <p>2 - describe admission (emergency and elective), transfer, and discharge of patients</p> <p>3 - plan (create a plan) of individualized nursing patient care, with a holistic approach and partner relationship with the patient</p> <p>4 - carry out fundamental procedures from areas of general nursing care, with a holistic approach and partner relationship with the patient</p> <p>5 - apply communication skills in contact with the patient, members of his/her family, and colleagues</p> <p>6 - apply valid laws and regulations in the performance of professional duties</p>
Course content	<ol style="list-style-type: none"> 1. The basics general health care of the patient (founded on satisfaction of basic human needs) (Outcome 1) 2. Reception (urgent and elective), transfer and discharge of the patient (Outcome 2) 3. Plan the patient's health care - creating an individual health care plan with a holistic approach and partner relationship with the patient, - for mobile, semi-mobile and immobile patients, geriatric patients and patients in the last stage of life (Outcome 3) 4. Conduct fundamental procedures from areas of general health care - follow and record vital signs, monitor and record diuresis, monitor and record the appearance and amount of secretions, administer patient nutrition/enteral and parenteral nutrition, perform patient hygiene, skin and oral cavity care, monitor fluid intake and amount, apply prescribed pharmacological therapy and perform asepsis procedures (disinfection and sterilization) – (Outcome 4) 5. Communication skills - methods and techniques in contact with the patient (verbally, non-verbally, signed agreed language), family members and colleagues (Outcome 5) 6. Laws and regulations in the performance of professional duties (Nursing Act, Code of Ethics for Nurses) (Outcome 6)

Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input checked="" type="checkbox"/> other (supervision)			
Comments	-					
Students' obligations	Regularly and conscientiously attendance in all forms of classes					
Monitoring and evaluation of student work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.	
	Attendance classes - clinical exercises	1 - 6	90	3	0	
	activities /exercises	1 - 6	45	1.5	0 - 40	
	Professional behavior	1 - 6	15	0.5	0 - 20	
	In total	1 - 6	150	5	0 - 60 (100%)	
	In total		150	5	100%	
	Evaluation criteria	Activity during classes		Professionally behavior		
	Description	<ul style="list-style-type: none"> preparation for clinical exercises/practice theoretical knowledge health care planning - preparation of individual plan adoption and linking of adopted clinical exercises/activities and interventions and their application in the hospital/clinical setting department motivation and interest communication with the patient, 		<ul style="list-style-type: none"> arrival and departure to/from workplaces in exactly schedule stated time compliance with recommendation on Ethical codex for medical nurses /Croatia chamber of medical nurses <ul style="list-style-type: none"> adherence to regulations bound for protective clothes and footwear/professional apparel and footwear 		

		with identification by card (ID). <ul style="list-style-type: none"> • respect of internal organizational culture within health organizations in which student performs clinical practice 	
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		to his/her family members and colleagues <ul style="list-style-type: none"> • respect and protection of autonomy of the patient and his/her integrity • protection of interest of the patient 	performs clinical practice
Points: min. - max.		0 - 40	0 - 20
Minimal number of points - passing threshold		20	10
Total		0 - 60	

Total grade	Pass threshold	Score range	Grade
	30 points	54 - 60 48 – 53.99 42 – 47.99 30 – 41.99	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory)

Final grade

The Final grades are represented by the student's achievement (number of points and grade) during clinical exercises. The grade is transferred to the ECTS grading system in the following way.

% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade
90 – 100 %	5 (excellent)	A
80 – 89.9 %	4 (very good)	B
65 – 79.9 %	3 (good)	C

	50 -64.9 %	2 (satisfactory)	D	
Compulsory literature	<ol style="list-style-type: none"> 1. Čukljek. The basics of health care. Zagreb: Health Polytechnic, 2005. 2. Fučkar. Process health care. Medical college Universities in Zagreb. Zagreb in 1992 3. Lepec, Standardized procedures in health care, HKMS, Zagreb, 2022 			

Additional literature	1. Burton M. et al. Fundamentals of Nursing: concepts, Connections & Skills Third Edition FA Davis Company, 2018		
Number of copies in the library	Title	Number of copies	Number of students
	1. Čukljek. The basics of health care. Zagreb: Health Polytechnic, 2005.	12	60
	2. Fučkar. Process health care. Medical college Universities in Zagreb. Zagreb in 1992	12	60
	3. Šepec, Standardized procedures in health care, HKMS, Zagreb, 2022	12	60
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions will be obtained. to students in goal increasing efficiency theirs of work. Students will be sent in their own rights and obligations and work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions Council on quality classes and results, tracking yearly data with HZZZ -and on the annual state of student employment, surveys of employers and Alumni associations and others.</p>		

GENERAL INFORMATION

Course title	ENGLISH LANGUAGE I	
Course holder	PhD Ivana Kardum Goleš, senior lecturer.	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Optional	
Year of study	1.	
Credit score and method of teaching	ECTS credits	2
	Number hours (LECTURES+EXERCISES+SEMINARS)	L -30

COURSE DESCRIPTION

Course objectives	To meet students with basics English language in profession/professional terminology.	
Terms of course entry and required competencies	None	
Expected learning outcomes on the course level	1 translate contents in Croatian with aspects of basic familiarity of professional English 2 analyze content with aspects of English language grammar 3 apply basic professional English in written and oral communication, 4 discuss on current topics from profession in English with little or no errors (simpler topics)	
Course content	1. Translations of content related to knowing basic language for specific professional purposes (Outcome 1) 2. Grammatical analysis of basic content/ basic language for specific professional purposes (Outcome 2) 3. Basic professional English for specific purposes in written and oral communication (Outcome 3) 4. Actual topics from areas of health care – discussion in English (simpler content) (Outcome 4)	
Types teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance education <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other
Comments	-	
Obligations students	Regularl and conscientious attendance of all forms of classes	

Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
	Attendance of classes	I - 4	22	0.70	0

Activities in classes/work in group/linguistic workshop	I - 4	10	0.35	0 - 20
Colloquium/oral	1 – 4	9	0.30	0 - 20
In total	I - 4	41	1.35	0 – 40 (50% grades)
Closing exam/written		19	0.65	50%
In total		60	2	100%
Grade criteria	Activities in class	Colloquium 1/oral		
Description	<p>Knowing previous content</p> <p>Preparation for thematic teaching units/ finding and analysis of different simpler content in English language/articles, news, news from nursing practices</p> <p>Active participation in linguistic workshops</p> <p>Complexity of communication within groups</p>	<p>Level of knowledge (translation, grammar, vocabulary, sentence construction)</p> <p>Mastering of professional terms and concepts</p>		
Points: min. – max.	0 - 20	0 - 20		
Minimal number points- Prague transience	10	10		
Total	0 - 40			

	Pass threshold	Score range	Grade
Total Grade	20 points	35 - 40	5 (excellent)
		30 - 34.99	4 (very good)
		26 - 29.99	3 (good)
		20 - 25.99	2 (satisfactory)

	<p>Conditions for forming the final grade</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Pass colloquia 4. Collect at least 50% points 															
	<p>Closing exam - criterion Grades Closing exam consists of: written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p> <table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical Grade</th> <th>ECTS - Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64.9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>	% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D
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65 – 79.9 %	3 (good)	C														
50 -64.9 %	2 (satisfactory)	D														
<p>Final grade</p> <p>Formation of the Final grade according to the Rulebook on studying is the sum of the percentages of acquired knowledge, skills and competences achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%)</p> <table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical Grade</th> <th>ECTS - Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64.9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>	% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D	
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50 -64.9 %	2 (satisfactory)	D														
<p>Compulsory literature</p> <ol style="list-style-type: none"> 1. Rezic Q, Zuric Havelka WITH. Introduction it Basic Medical Terminology for Health Professions. Zagreb: Zdravstveno velečilište, 2013. 2. Mishcin E. England – Croatian dictionary for medical sisters. Zagreb: School book: 2011 																

Additional literature	1. Professional articles on in English language		
The number of copies is Compulsory literature	Title	Number of copies	Number of students
per number of students attending the course	1. Rezić Q, Zurić Havelka WITH. Introduction to Basic Medical Terminology for Health Professions. Zagreb: Medically polytechnic, in 2013	12	60
	2. Mišćin E. English-Croatian medical dictionary sisters. Zagreb: School book: 2011	12	60
Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the others.</p>		

GENERAL INFORMATION		
Course title	TRANSCULTURAL NURSING CARE	
Course holder	Mario Gazić, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Optional	
Year of study	1.	
Credit score and method of teaching	ECTS credits	2
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-15, S- 15

COURSE DESCRIPTION			
Course objectives	Acquiring the necessary knowledge and skills to assess needs and provide health care respecting the differences of a healthy or sick individual regarding culture, race, religion, customs and beliefs.		
Terms of course entry and required competencies	None		
Expected learning outcomes on the course level	1 – explain the term transcultural health care and its history as nursing theories 2 - evaluate needs of persons for transcultural approach in health care area 3 - apply process of health care code person with transcultural needs		
Course content	<ol style="list-style-type: none"> 1. Theory of transcultural health care and its historical development. Theory M. Leininger (Outcome 1) 2. Assessment of needs for application of transcultural health care code of individuals or target groups (approaches, assessment of cultural, religious, worldviews, ways of eating, customs, etc. (Outcome 2) 3. Planning and enforcement of transcultural health care. Respect for autonomy and integrity of the patient. Procedures with daed person-customs, religion. Communication with family (Outcome 3) 		
Types of teaching	<table border="0"> <tr> <td> <input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input checked="" type="checkbox"/> field teaching </td> <td> <input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other </td> </tr> </table>	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input checked="" type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other
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Comments	-		
Students` obligations	Regularly and conscientiously attendance in all forms of classes		

Monitoring and evaluation of students work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
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	Attendance classes	1 - 3	22	0.7	0
	Activities during classes	1 - 3	18	0.60	0 - 10
	Seminar/preparation and exposure	1 - 3	20	0.70	0 - 20
	In total	1 - 3	60	2	0-30 (100%)
	The final exam is not taken.				
	In total		60	2	100%
	Grade criteria	Activity during classes	Seminar/production and presentation		
	Description	<p>Preparation for thematic teaching units (research and analysis of articles and professional works related to transcultural healthcare care)</p> <p>Knowing similar content from other subjects</p> <p>Understanding thematic units</p> <p>Participation in common task solving</p>	<p>Organization/structure of work</p> <p>Terminology, writing style</p> <p>Citation and citing references</p> <p>Presentation/multimedia</p> <p>The topics in the seminar refer to the diversity of individuals and social communities (race, culture, customs, religion). Students should describe approaches in health care in relation to these differences)</p>		
	Points: min. - max.	0 - 10	0 - 20		
	Minimal number of points - passing threshold	5	10		
	Total	0 - 30			

	<p>Conditions for forming Final grades</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquium 4. Get positive assessment from seminars 5. Collect at least 50 % points 																	
	<p>Final grade are forms foundation number points acquired during classes. They are transferring into the ECTS system in the following way:</p> <table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical Grade</th> <th>ECTS - Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64.9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>			% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D
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Obligatory literature	<ol style="list-style-type: none"> 1. Kalauz S. Etika u sestinstvu. Zagreb: Medicinska naklada, 2012. (chapter: Theories in nursing – M. Leininger) 																	
Additional literature	<ol style="list-style-type: none"> 1. Andrews M , Boyle S, Collins J. Transcultural Concepts in Nursing Care Wolters Kluwer, 2019. 2. McFarland, M.R., Wehbe-Alamah H.B. The Theory of Culture Care Diversity and Universality, 2014.. 																	
Number of copies in the library	<p>Title</p>	<p>Number of copies</p>	<p>Number of students</p>															
	<ol style="list-style-type: none"> 1. Kalauz S. Etika u sestinstvu. Zagreb: Medicinska naklada, 2012. (chapter: Theories in nursing – M. Leininger) 	<p>12</p>	<p>60</p>															
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in classes and the information obtained about students' progress through colloquia, the necessary information will be obtained for further instructions to students in order to increase efficiency their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on yearly condition of employment students, surveys the employer and associations Alumni and others.</p>																	

GENERAL INFORMATION		
Course title	GYNECOLOGY AND OBSTETRICS	
Course holder	PhD. Ivan Zmijanović, MD, lecturer	
Study programme (undergraduate, graduate)	Undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-30

COURSE DESCRIPTION	
Course objectives	Acquaint students with basic clinical conditions of the most common diseases in the field of gynaecology and obstetrics and train them to understand the pathophysiological basis and symptomatology of the most common gynaecological diseases and to apply the above contents in the health care of mothers and newborns.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - to state the most often gynaecological diseases and their symptoms and diagnostic and therapeutic procedures</p> <p>2 - explain physiological processes of menstrual cycles, fertilization, pregnancy and childbirth</p> <p>I 3 - explain pathological processes of menstrual cycles, fertilization, pregnancy and childbirth</p> <p>I 4 - explain the measures of supervision over the mother and the newborn</p> <p>5 - interpret legal regulations in the Republic of Croatia connected with miscarriage and sexual intercourse with a minor</p> <p>6 - explain methods of prevention of sexually portable diseases and methods of primary and secondary prevention of malignant diseases of the female reproductive system</p>
Course content	<p>1. Most common gynaecological diseases, their symptoms, diagnosis and treatment: acute and chronic diseases of the female reproductive system, benign and malignant tumours of the female reproductive system, and sexually transmitted diseases (Outcome 1)</p> <p>2. Physiological processes of menstrual cycles, fertilization, pregnancy and giving birth (Outcome 2)</p> <p>3. Pathological disorders of the menstrual cycle, pathological changes in pregnancy and childbirth, miscarriage and premature birth, ectopic pregnancy (Outcome 3)</p> <p>4. Measures of supervision over mothers and a newborn (Outcome 4)</p>

	<p>5. Legal regulations in the Republic of Croatia related to abortion and sexual intercourse with a minor (Outcome 5)</p> <p>6. Methods of prevention of sexually transmitted diseases as well as primary and secondary methods in preventing malignant diseases of the female sexual system (Outcome 6)</p>				
Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input checked="" type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
Comments					
Students` obligations	Regularly and conscientiously attendance in all forms of classes				
	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 6	22	0.74	0
	Activity during classes	1 - 6	10	0.33	0 - 10
	Colloquium 1/written	1 - 6	10	0.33	0 - 20
	Total		42	1.40	0-30 (50% grades)
	Final exam written	1 - 6	18	0.60	50 % grades
	Total		60	2	100%
	Evaluation criteria	Activity during classes		Colloquium/ exam	

Monitoring and evaluating student work	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	The exam consists of a test with 20 questions. Each question offers 4 answers, of which only one is correct. A correct answer is evaluated with 1 point, so it is the pass threshold of 10 points.	
	Points: min. – max.		0-10	0-20	
	Minimum number of points - pass threshold		5	10	
	Total		0-30		
	Total grade	Pass threshold	Points range	Grade	
	25 points	45 – 50 38 - 44.9 32 - 37.9 30 - 31.9 25 - 29.9	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory) 2 (satisfactory)		
<p>Conditions for accession to the final exam</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquia 4. Collect at least 50% points 					
<p>Final exam - criterion evaluations</p> <p>The final exam consists of a written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p>					

			% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade
			90 – 100 %	5 (excellent)	A
			80 – 89,9 %	4 (very good)	B
			65 – 79.9 %	3 (good)	C
			50 -64,9 %	2 (satisfactory)	D
	<p>Final grade</p> <p>Forming the final grade: Based on the points achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%). In the ECTS system, the grade is expressed in the following way:</p>				
			% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade
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			65 – 79.9 %	3 (good)	C
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Compulsory literature	<ol style="list-style-type: none"> Habek D. Ginekologija i porodništvo. Zagreb: Medicinska naklada, 2017. Ljubojević N. ginekologija i porodništvo. Zagreb: Zdravstveno veleučilište, 2005. 				
Additional literature	Teaching texts				
Number of copies in the library	Title	Number of copies	Number of students		
	<ol style="list-style-type: none"> Habek D. Ginekologija i porodništvo. Zagreb: Medicinska naklada, 2017 Ljubojević N. Ginekologija i porodništvo. Zagreb: Zdravstveno veleučilište, 2005. 	12	60		
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competencies	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>				

GENERAL INFORMATION		
Course title	HYGIENE AND EPIDEMIOLOGY	
Course holder	PhD. Željko Huljev, MD, lecturer	
Study programme (undergraduate, graduate)	Undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	3
	Number of hours (Lectures+Exercises+Seminars)	P-30, E-15, S-15

COURSE DESCRIPTION	
Course objectives	To acquaint students with hygienic-epidemiological terms, phenomena and problems, train them to recognize and estimate causal factors for the origin of diseases and apply and analyze procedures from the nursing domain of hygiene and epidemiology.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - explain hygienic-epidemiological terms and occurrences of ways and approaches in determining the problem</p> <p>2 - explain the causes of individual diseases, and methods of recognition (discovery)</p> <p>3 - group and distinguish groups' diseases according to their epidemiological peculiarities</p> <p>4 - state epidemiological traits of chronic non-infectious cardiovascular diseases, malignant processes of various kinds, mental disorders, diabetes and other non-communicable diseases</p> <p>5 – to carry out general and specific measures of prevention of diseases</p> <p>6 - explain the influence of environmental factors (food, water, ground, air, light) on human physical and mental health and the influence of society (family, community) on human physical and mental health</p>
Course content	<ol style="list-style-type: none"> 1. Hygienic-epidemiological concepts and occurrences, ways, approaches and measurements when determining the problem (Outcome 1) 2. Understanding factors that cause disease, ways of transmission and mode of infection (Outcome 2) 3. Grouping and distinction of groups diseases according to their epidemiological characteristics (Outcome 3) 4. Epidemiological characteristics of chronic non-infectious cardiovascular diseases, malignant process, mental disorders, diabetes and other non-infectious diseases (outcome 4) 5. General and specific measures for prevention of diseases: primary and secondary prevention of infectious diseases, prevention measures for non-infectious diseases (Outcome 5)

	6. Influence of environmental factors (food, water, ground, air, light) on human physical and mental health and the influence of society (family, community) on health				
Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input checked="" type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
Comments					
Students` obligations	Regularly and conscientiously attendance in all forms of classes				
	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 6	45	1.5	0
	Activity during classes	1 - 6	6	0.20	0 - 10
	Seminar/product ion and presentations	1 - 6	9	0.30	0 - 20
	Colloquium/oral	1 - 6	7.5	0.25	0 - 20
	Total		67. 5	2.25	0-50 (50% grades)
	The final exam not taken.		22.5	0.75	50% grades
	Total		90	3	50% grades
	Evaluation criteria	Activity during classes	Colloquium/oral exam		Seminar/preparat ion and presentation

Monitoring and evaluating student work	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content	Organization/structure of work Vocabulary and grammar Expertise and professional terminology Writing style Citation and citing of references Presentation/multimedia
	Points: min. – max.		0-10	0-20	0-20
	Minimum number of points - pass threshold		5	10	10
	Total		0-50		
	Total grade	Pass threshold	Points range	Grade	
	25 points	45 – 50 38 - 44.9 32 - 37.9 30 - 31.9 25 - 29.9	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory) 2 (satisfactory)		
Conditions for accession to the final exam					
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquia 4. Collect at least 50% points 					
Final exam - criterion evaluations					
<p>The final exam consists of a written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p>					

		% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade															
		90 – 100 %	5 (excellent)	A															
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		65 – 79.9 %	3 (good)	C															
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	<p>Final grade</p> <p>Forming the final grade: Based on the points achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%). In the ECTS system, the grade is expressed in the following way:</p> <table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical grade</th> <th>ECTS - grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89,9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64,9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>					% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade	90 – 100 %	5 (excellent)	A	80 – 89,9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64,9 %	2 (satisfactory)
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Compulsory literature	1. Kolčić I, Vorko Jović A. Epidemiologija. Medicinska naklada, 2012. 2. Puntarić D, Ropac D, i sur. Higijena i epidemiologija. Zagreb: Medicinska naklada, 2016.																		
Additional literature	1. Vorko-Jović A, Strnad M, Rudan I, i sur. Epidemiologija kroničnih nezaraznih bolesti, Zagreb, Medicinska naklada, 2010. 2. Ropac D, Puntarić D, i sur. Epidemiologija zaraznih bolesti, Zagreb, Medicinska naklada, 2010.																		
Number of copies in the library	Title	Number of copies	Number of students																
	1. Kolčić I, Vorko Jović A. Epidemiologija. Medicinska naklada, 2012.	12	60																

Methods of quality monitoring that ensure the acquisition of knowledge, skills and competencies

Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.

Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.

GENERAL INFORMATION		
Course title	INFECTOLOGY	
Course holder	Jasminka Brkičić, MD, lecturer	
Study programme (undergraduate, graduate)	Undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	1
	Number of hours (Lectures+Exercises+Seminars)	L-15

COURSE DESCRIPTION	
Course objectives	Acquaint nursing students with the principles of the origin and transmission of infectious diseases and the field of general infectology (basics, immunology, immunoprophylaxis and antimicrobial therapy of infectious diseases) and special infectology (the most common infectious diseases, diseases with severe clinical condition and outcome, emergent diseases and traveller's diseases, and healthcare-associated infections.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	1 - explain fundamental and specific principles of origin and transmission of contagious diseases, their clinical picture and disease course, as well as diagnostic and therapeutic procedures 2 – state measures in preventing infectious diseases
Course content	<ol style="list-style-type: none"> 1. general infectology: immunology, immunoprophylaxis, principles of antimicrobial therapy and chemoprophylaxis (Outcome 1, 2) 2. Special infectology: intestinal infectious diseases, acute bacterial and viral infections of the respiratory tract, viral hepatitis, viral and purulent meningitis, rash infectious diseases, anthroozoonoses and diseases of natural foci, emergent infectious diseases, tropical infectious diseases and travel infections, HIV/AIDS and sepsis syndrome, healthcare-associated infections (Outcome 1, 2)

Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other											
	Comments													
Students' obligations	Regularly and conscientiously attendance in all forms of classes													
Monitoring and evaluating student work	Activities	Outcomes	Hours	ECTS	Points min. – max.									
	Attendance	1 - 2	11	0.36	0									
	Activity during classes	1 - 2	4	0.14	Formative tracking of work students It is not graded									
	Total	1 - 2	15	0.50	0									
	Final exam written		15	0.50	100% grades									
	Total		30	2	100% grades									
	Conditions for accession to the final exam <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquia 4. Collect at least 50% points 													
	Final exam - criterion evaluations The final exam consists of a written exam. If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:													
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	65 – 79.9 %	3 (good)	C
	50 -64,9 %	2 (satisfactory)	D
Final grade			
Forming the final grade: Based on the points achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%). In the ECTS system, the grade is expressed in the following way:			
	% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade
	90 – 100 %	5 (excellent)	A
	80 – 89,9 %	4 (very good)	B
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	50 -64,9 %	2 (satisfactory)	D
Compulsory literature	1. 1. Kuzman, I. Infektologija za visoke zdravstvene škole, Medicinska naklada, Zagreb,2011. 2. Begovac J, i sur. Klinička infektologija, Medicinska naklada Zagreb, 2019.		
Additional literature	Southwick F, Edge I. Infektologija / short clinical course (2. edition Mc Graw Hill, LANGE, 2017.		
Number of copies in the library	Title	Number of copies	Number of students
	1. Kuzman, I. Infektologija za visoke zdravstvene škole, Medicinska naklada, Zagreb,2011 2. Begovac J, i sur. Klinička infektologija, Medicinska naklada Zagreb, 2019..	12	60
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competencies	Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.		

GENERAL INFORMATION

Course title	INTERNAL MEDICINE	
Course holder	PhD. Ivan Krečák, MD, lecturer	
Study programme (Undergraduate, graduate)	Professional undergraduate nursing study	
Course status	Obligatory	
Year of study	2.	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L -30

COURSE DESCRIPTION

Course objectives	To acquaint students with the etiology and mechanisms of disease occurrence, with their clinical manifestations, diagnostic procedures, basic laboratory and instrumental searches and principles of treatment to better understand patients' problems in everyday work.
Terms of course entry and required competences	None.
Expected learning outcomes on the course level	<ol style="list-style-type: none">1 - explain elementary principles of pathogenesis in internal medicine diseases2 - describe the symptoms and signs of internal diseases3 - describe basic diagnostic procedures in diagnosing diseases4 - explain the methods of treatment of internal diseases5 - describe complications in internal medicine diseases6 - describe symptoms of urgent conditions related to internal diseases and measures of first aid

<p>Course content</p>	<ol style="list-style-type: none"> 1. Diseases of the cardiovascular system (ischemic heart disease; rhythm disorders, electrostimulation; shock; sudden death, cardiopulmonary resuscitation; pulmonary heart; diseases of arteries and veins) (Outcome 1, 2, 3, 4, 5) 2. Diseases of the respiratory system (diagnostic methods; functional disorders; cough, hemoptysis; bronchial asthma; COPD; acute and chronic respiratory insufficiency; infections respiratory system; pulmonary carcinoma; pleura diseases; ARDS; tuberculosis) (Outcome 1, 2, 3, 4, 5) 3. Diseases of the digestive system (diagnostic methods; vomiting, diarrhea, constipation, malabsorption, bleeding, icterus, ascites; diseases of the esophagus; GERD; gastritis, ulcer disease, Zollinger-Ellison syndrome; inflammatory bowel diseases; irritable colon; diverticulosis; vascular disorders of the intestines; anorectal diseases; tumors of the gall bladder; tumors of the pancreas and hepatobiliary system) (Outcome 1, 2, 3, 4, 5) 4. Clinical immunology and rheumatology (allergic reactions; collagenases; seronegative arthritis; roles; degenerative joint diseases; metabolic bone diseases) (Outcome 1, 2, 3, 4, 5) 				
	<ol style="list-style-type: none"> 5. Diseases of the endocrine system (laboratory diagnostics; diseases of the hypothalamus and pituitary gland; diseases of the thyroid, adrenal and parathyroid glands; clinical use of glucocorticoids; diabetes) (Outcome 1, 2, 3, 4, 5) 6. Diseases of the blood and blood-forming organs (hematopoietic system; anemia; agranulocytosis; polycythemia vera; acute and chronic leukemias; malignant lymphomas; multiple myeloma; diseases caused by disorders of hemostasis) (Outcome 1, 2, 3, 4, 5) 7. Diseases of the kidneys and urinary tract (examination of diagnostic procedures; glomerular diseases; nephrotic syndrome; tubulointerstitial diseases of the kidneys; urinary tract infections; tuberculosis; stones; urinary tract obstruction; acute and chronic renal failure; dialysis and transplantation) (Outcome 1, 2, 3, 4, 5) 8. Emergency conditions of internal diseases and measures of the first aid (Outcome 6) 				
<p>Types of teaching</p>	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field teaching		<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
<p>Students' obligations</p>	<p>Regularly and conscientiously attend all forms of classes</p>				
	<p>Activities</p>	<p>Outcomes</p>	<p>Hours</p>	<p>ECTS</p>	<p>Points min. – max.</p>
	<p>Attendance</p>	<p>1 - 6</p>	<p>22</p>	<p>0.74</p>	<p>0</p>
	<p>Activity during classes</p>	<p>1 - 6</p>	<p>4</p>	<p>0.13</p>	<p>0 - 10</p>

Monitoring and evaluating of students work	Colloquium/written I/ no. content – 1 - 4	1 - 6	7.5	0.25	0 - 20	
	Colloquy/written II/content no. 5 – 8	1 - 6	7.5	0.25	0 - 20	
	Total	1 - 6	41	1.37	0 – 50 (50% grades)	
	Final exam/written	1 - 6	19	0.63	50% grades	
	Total		60	2	100% grades	
	Grade criteria	Activity during classes	Colloquium I/written		Colloquium II/written	
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks together	A knowledge test offers 4 answers, of which only 1 is correct. The test contains 20 questions, each with a correct answer are values with 1 point. The range of points and the link with the grade is determined by the course holder		A knowledge test offers 4 answers, of which only 1 is correct. The test contains 20 questions, each with a correct answer are values with 1 point. The range of points and the link with the grade is determined by the course holder	
	Points: min. - max.	0 - 10	0 - 20		0 - 20	
	Minimal number of points - passing threshold	5	10		10	
	Total	0 - 50				
	Total grade	Pass threshold	Points range	Grade		
		25 points	45 – 50 38 - 44.9 32 - 37.9 25 - 31.9	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory)		

Conditions for forming the final gradee:

1. Regularly attend classes
2. Actively taking part in classes
3. Pass colloquia
4. Collect at least 50% points

Final grade

Final exam consists of: written exam.

If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:

% of acquired knowledge, skills and competencies	Numerical grade
90 – 100 %	5 (excellent)
80 – 89.9 %	4 (very good)
65 – 79.9 %	3 (good)
50 - 64.9 %	2 (satisfactory)

Final grade

Forming the Final grade: Based on the points achieved during classes. In the ECTS system, the grade is expressed in the following way:

% of acquired knowledge, skills and competencies	Numerical grade	ECTS - Grade
90 – 100 %	5 (excellent)	A
80 – 89.9 %	4 (very good)	B
65 – 79.9 %	3 (good)	C
50 -64.9 %	2 (satisfactory)	D

1. Petrač D, Lukenda J. Interna medicina.2. izd. Medicinska naklada, 2021.
2. Včev A, Mirat J, Mihić D. Interna medicina. Osijek -Sveučilište u Osijeku. Naklada Ljevak, 2021.
3. Morović-Vergles J, i sur. Odabrana poglavlja iz interne medicine, Naklada Slap/Zdravstveno veleučilište, 2008.

Compulsory literature**Additional literature**

1. Petrač D. i sur. Interna medicina, Medicinska naklada, 2008.
2. Vrhovac B, Jakšić B, Reiner Ž, Vucelić B. Interna medicina, Naklada Ljevak, 2008.

Number of copies in the library	Title	Number of copies	Number of students
	1. Petrač D, Lukenda J. Interna medicina.2. izd. Medicinska naklada, 2021.	12	60
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GENERAL INFORMATION		
Course title	PATHOPHYSIOLOGY	
Course holder	Eva Čubrić, MD, lecturer	
Study programme (Undergraduate, graduate)	Professional undergraduate nursing study	
Course status	Obligatory	
Year of study	2.	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L -30

COURSE DESCRIPTION	
Course objective	To acquaint students with the basic principles of general pathophysiology, the basic principles of special pathophysiology, ways and causes of pathophysiological processes, and with general and specific models of the organism's behavior in health and disease.
Terms of course entry and required competences	None.
Expected learning outcomes on the course level	<p>1 - explain general pathophysiological principles, action, causes and ways of development of pathophysiological processes and the basis of special pathophysiology</p> <p>2 - recognize general ways of organ and tissue insufficiency and special methods of recognizing the severity and significance of symptoms and signs of the disease</p> <p>3 - explain basics of differential diagnosis</p>
Course content	<ol style="list-style-type: none"> 1. general pathophysiology, general models of behavior in organism in health and diseases, general principles of the body's response to injury and infection, whether by physical, chemical or biological agents, and special pathophysiology (Outcome 1) 2. Specific models of the behavior of organs and tissues such as: peripheral and central nervous system, cardiovascular system, urogenital organs, hematopoietic organs and on the blood, respiratory system, digestive organs, endocrine system, tumors, etc. (Outcome 2) 3. The basics and peculiarities of differential diagnosis (Outcome 3)

Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other
	Comments -	

Student's obligations	Regularly and conscientiously attend all forms of classes				
	Activities	Outcomes	Hours	ECTS	Points min. – max.
	Attendance	1 - 3	22	0.74	0
	Activity during classes	1 - 3	8	0.26	0 - 10
	Colloquium/oral/1	1	15	0.50	0 - 20
	Colloquium/oral/2	2 - 3	15	0.50	0 - 20
	Total		60	2	100% grades
	Final exam not taken				
	Total		60	2	100% grades
	Grade criteria	Activity during classes	Colloquium 1/oral exam		Colloquium 2/oral exam

Monitoring and evaluation of students work	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content	Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content
	Points: min. - max.		0 - 10	0 - 20	0 - 20
	Minimal number of points – pass threshold		5	10	10
	Total		0 - 50		
	Total grade	Pass threshold	Points range	Grade	
		45 – 50	5 (excellent)		
		38 - 44.9	4 (very good)		
		32 - 37.9	3 (good)		
		25 - 31.9	2 (satisfactory)		
Conditions for forming the final gradee: 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquia 4. Collect at least 50% points 5. Grade and points respectively are transmitted in the final assessment					

	Final exam not taken																			
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GENERAL INFORMATION		
Course title	PATHOLOGY	
Course holder	Assoc. PhD. Kristijan Bečić, MD, lecturer	
Study programme (undergraduate, graduate)	undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-30, E-10

COURSE DESCRIPTION	
Course objectives	To acquaint students with fundamental principles of general pathologies, with fundamental principles of pathologies in organs and organ systems, the causes of certain diseases and morphological changes and their consequences.
Terms of course entry and required competences	None
Expected learning outcomes on the course level	<p>1 - explain fundamental principles of general pathologies and fundamental principles of pathologies in organs and organic systems</p> <p>2 - explain the functional consequences of morphological change</p> <p>3 - recognize morphological changes in cells, tissues and organs</p> <p>4 - identify the causes and mechanisms of disease</p>
Course content	<ol style="list-style-type: none"> 1. general pathology (processes of adaptation, cellular damage and death, acute and chronic inflammation, reparation, regeneration, healing, hemodynamic disorders, genetic disorders, immune disorders, neoplasms, environmental pathology) (Outcome 1) 2. Functional consequences of morphological change (Outcome 2) 3. Morphological changes in cells, tissues and organs (pathology of organs and organs system: cardiovascular system, breathing system, hematopoietic system, digestive system, liver, pancreas, kidneys, breasts, male and female reproductive system, endocrine system, skin, bones and joints, peripheral nerves, muscles, central nervous system) (Outcome 3) 4. Causes and mechanisms of origin of diseases (Outcome 4)

Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input checked="" type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments				
Students' obligations	Regularly and conscientiously attend all forms of classes				
Monitoring and evaluating student work	Activities	Outcomes	Hours	ECTS	Points min. – max.
	Attendance	1 - 4	30	1	0
	Activity during classes	1 - 4	6	0.20	0-10
	Colloquium/oral	1 - 4	9	0.30	0-20
	Total	1 - 4	45	1.5	0 – 30 (50 % grades)
	Final exam written		15	0.50	50 % grades
	Total	1 - 4	60	2	100 % grades
	Evaluation criteria	Activity during classes	Colloquium/oral exam		
Description	Preparation for teaching units Understanding previous content Participation in solving tasks together	Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content			

	Points: min. – max.	0-10	0-20																
	Minimum number of points - pass threshold	5	10																
	Total	0-30																	
	Total grade	Pass threshold	Points range	Grade															
	15 points	26 - 30 23 - 25.99 19 - 22.99 15 - 18.99	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory)																
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Additional literature	<ol style="list-style-type: none"> 1. Edward C. Klatt. Robbins and Cotran Atlas of Pathology, 4th Ed. Elsevier; 2020. 2. Belicza M. Tomas D. Obdukcijska dijagnostika, IV Zagreb: Medicinska naklada, 2011. 																	
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Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>																	

GENERAL INFORMATION		
Course title	SOCIOLOGY OF HEALTH	
Course holder	Assoc. PhD. Sonja Kalauz, college professor	
Study programme (undergraduate, graduate)	undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-30, E-15

COURSE DESCRIPTION	
Course objectives	To enable students to gain insight and knowledge about key sociological theories and concepts, basic sociological concepts, and sociological approaches to health and disease. It is also desired that students acquire basic knowledge about social institutions (in particular in medicine and healthcare), bureaucracy and professions, power and discrimination, health policies, human rights (patients' rights), and social relations and inequalities in health.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - present the basic sociological knowledge necessary to understand the importance of social questions in healthcare and influence of societies, health and social policies on the health of individuals</p> <p>2 - explain different models of health, methods of prevention of diseases and importance of intersectoral cooperation</p> <p>3 - explain the importance of healthcare enlightenment and healthcare upbringing</p> <p>4 - decompose fundamental principles of righteousness and equality in society, the necessity of tolerance and the importance of interdisciplinarity in the provision of healthcare</p> <p>5 - analyze observed political and social occurrences, connect results of analysis with the needs of future profession</p>
Course content	<ol style="list-style-type: none"> 1. Sociology of health, socialization, social stratification and social inequality, social mobility, social subsystems (education, religion, culture, health...), sociology and nursing, sociology and environment, power and politics, individual-collective, family, stigma, gender and health, health and humanitarian organizations, migration, demographic changes (Outcome 1) 2. Models of health, methods of prevention of diseases and intersectoral cooperation (Outcome 2) 3. Health insurance enlightenment and medical upbringing (Outcome 3) 4. Fundamental principles of righteousness and equality in society, necessity of tolerance and interdisciplinarity in the provision of health care (Outcome 4) 5. Political and social occurrences and their influence on future nursing

	professions (Outcome 5)				
Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work	<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other			
Comments					
Students` obligations	Regularly and conscientiously attend all forms of classes				
	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 5	34	1.10	0
	Activity during classes	1 - 5	3	0.10	0 - 10
	Seminar	1 - 5	6	0.20	0 - 20
	Colloquium/oral	1 - 5	4	0.15	0 - 10
	Total	1 - 5	47	1.55	0 – 40 (50% grades)
	The final exam not taken	1 - 5	13	0.45	50% grades
	Total		60	2	100% grades
	Evaluation criteria	Activity during classes	Colloquium/oral exam		Seminar/preparatio n and presentation

Monitoring and evaluating student work	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content	Organization/structure of work Vocabulary and grammar Expertise and professional terminology Writing style Citation and citing of references Presentation/multimedia
	Points: min. – max.		0-10	0-10	0-20
	Minimum number of points - pass threshold		5	5	10
	Total		0-40		
	Total grade	Pass threshold	Points range	Grade	
	20 points	35 - 40 30 - 34.99 26 - 29.99 20 - 25.99	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory)		
Conditions for accession to the final exam					
<ol style="list-style-type: none"> 2. Regularly attend classes 3. Actively taking part in classes 4. Pass colloquia 5. Collect at least 50% points 6. Get a positive assessment from seminars 					
Final exam - criterion evaluations					
<p>The final exam consists of a written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p>					

		% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade
		90 – 100 %	5 (excellent)	A
		80 – 89,9 %	4 (very good)	B
		65 – 79.9 %	3 (good)	C
		50 -64,9 %	2 (satisfactory)	D
Final grade				
Forming the final grade: Based on the points achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%). In the ECTS system, the grade is expressed in the following way:				
		% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade
		90 – 100 %	5 (excellent)	A
		80 – 89,9 %	4 (very good)	B
		65 – 79.9 %	3 (good)	C
		50 -64,9 %	2 (satisfactory)	D
Compulsory literature	1. Cerjan-Letica G. Medicinska sociologija. Zagreb: Medicinska naklada, 2003.			
Additional literature	1. Conrad P, Leiter V. The Sociology of Health and Illness: Critical Perspectives (9.izdanje). Worth Publishers; 2013. 2. Marmot M. Sindrom statusa Zagreb: Algoritam; 2009			
Number of copies in the library	Title	Number of copies	Number of students	
	1. Cerjan-Letica G. Medicinska sociologija. Zagreb: Medicinska naklada, 2003.	12	60	
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competencies	Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.			

GENERAL INFORMATION

Course title	NURSING CARE OF ADULTS I/II	
Course holder	Ana Žepina Puzić, MSN, lecturer	
Study programme-undergraduate	Undergraduate Professional Study Nursing	
Course status	Obligatory	
Year of study	2.	
Credit score and forms of teaching	ECTS credits	4
	Hours (Lectures+ Exercises+ Seminars)	L-30, E-85, S- 10

COURSE DESCRIPTION

Course objectives	To acquaint the student with the basic principles and skills of health care for patients with internal, infectious, and neurological diseases. Acquired and adopted knowledge and skills should enable an understanding of the basic principles of health care, and the application of fundamental and social skills in nursing practice.
Terms of course entry and required competences	There are no conditions
Expected learning outcomes on course level	<p>1 - explain fundamental facts from pathophysiology, clinical condition, diagnostics, methods of treatment and rehabilitation of the most common internal, neurological, and infectious diseases</p> <p>2 - plan healthcare care of internal, neurological and infectious diseases patients (data collection, setting of nursing diagnoses, goals, implementation of interventions and outcome evaluation) with (Outcome 2):</p> <ol style="list-style-type: none"> 1. the patient with disorder of oxygenation and ventilation (Outcome 2) 2. the patient with tuberculosis of lungs, COPD, pneumonias (Outcome 2) 3. the patient with nephrological and gastrointestinal diseases (Outcome 2) 4. the patient with cirrhosis of liver and complication diseases (Outcome 2) 5. the patient with cardiovascular diseases (Outcome 2) 6. the patient with deep venous thrombosis (Outcome 2) 7. the patient with a disorder of immunological system (Outcome 2) 8. the patient with disorder of endocrine functions (healthcare of people with diabetes, hyperthyroidism, and Cushing's syndrome) (Outcome 2) 9. the patient with a disorder of exocrine functions of pancreas 10. the patient with the disorder of functions of the hematopoietic and lymphatic system (Outcome 2) 11. while applying cytostatic therapy (Outcome 2) 12. the patient with malignant diseases (Outcome 2) 13. the patient who needs palliative care (Outcome 2)

<p>Course content</p>	<ol style="list-style-type: none"> 1. Basics of pathophysiology, clinical condition, diagnostics, ways of treatment and rehabilitation of the most common internal, neurological, and infectious diseases (Outcome 1) 2. Process of health care – making health care plan for patients with internal, neurological and infectious diseases (gathering data, setting nursing diagnosis and goals, enforcement intervention, and evaluation of outcome (Outcome 2) <ul style="list-style-type: none"> - patients with disorder of oxygenation and ventilation (Outcome 2) - patients with tuberculosis of lungs, COPD, pneumonias (Outcome 2) - patients with nephrological and gastrointestinal diseases (Outcome 2) - patients with cirrhosis of liver and complications (Outcome 2) - patients with cardiovascular diseases (Outcome 2) - patients with deep venous thrombosis (Outcome 2) - patients with a disorder of immunological system (Outcome 2) - patients with disorder of endocrine functions (health care for patients with diabetes, hypothyroidism, hyperthyroidism, and Cushing's syndrome) (Outcome 2) - patients with disorder of exocrine functions of pancreas (Outcome 2) - patients with disorder of function of hematopoietic and lymphatic system (Outcome 2) <ul style="list-style-type: none"> - patients that apply cytostatic therapy (side effects of cytostatic therapy, complications) (Outcome 2) - patients with malignant diseases (Outcome 3) - patients who need palliative care (Outcome 2) 3. Implementation of planned health care for patients with diseases of different organic system (activities/interventions): <ul style="list-style-type: none"> - health care of the patient with disorder of oxygenation and ventilation (Outcome 3) - health care for patients with tuberculosis of lungs, COPD, pneumonia (Outcome 3) - health care for patients with nephrological and gastrointestinal diseases (Outcome 3)

	3)				
	<ul style="list-style-type: none"> - healthcare of patients with cirrhosis of liver and complications diseases (Outcome 3) - healthcare of patients with cardiovascular diseases (Outcome 3) - healthcare of patients with deep venous thrombosis (Outcome 3) - healthcare of patients with disorder of immunological system (Outcome 3) - healthcare of patients with disorder of endocrine functions (medical care of patients with diabetes, hypothyroidism, hyperthyroidism, and Cushing's syndrome) (Outcome 3) - healthcare of patients with disorders of the exocrine function of the pancreas (Outcome 3) - healthcare of patients with disorder of functions of hematopoietic lymphatic system (Outcome 3) - healthcare of patients that apply cytostatic therapy (side effects of cytostatic therapy, complications) (Outcome 3) - healthcare of patients with malignant diseases (Outcome 3) - healthcare of palliative patients (Outcome 3) 				
Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work	<input type="checkbox"/> independent tasks <input checked="" type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other			
Comments	-				
Students` obligations	Regularly and conscientiously attendance of all forms of classes				
Monitoring and evaluating student work	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 3	82	2.80	0
	Activity during classes	1 - 3	6	0.20	0 - 20
	Seminar/, preparation and exposure	1 - 3	6	0.20	0 - 20
	Colloquium /oral	1 - 3	6	0.20	0 - 20
	Activity during classes Total		100	3,4	0-60 (50% grades)
	Closing exam/written	1 - 3	20	0.60	50 % grades
	Activity during classes Total		120	4	100 % grades

	Evaluation criteria	Activity during classes	Colloquium/ oral	Seminar work/preparation and exposure	
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks together	Level of knowledge (ability analysis, synthesis, and Grades) Structuredness and accuracy answers Logical connecting the facts Mastery of professional terms and concepts Correlation with related contents	Organization/structure of work Vocabulary and grammar Professionalism and professional terminology Style writing Citation and citing references Presentation/multimedia	
	Points: min. - max.	0 - 20	0 - 20	0 - 20	
	Minimal number of points - passing threshold	10	10	10	
	Activity during classes Total points	0 - 60			
	Total grade	Pass threshold	Points range	Grade	
		30 points	54 - 60 48 – 53.99 42 – 47.99 30 – 41.99	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory)	

Conditions for accession to the final exam

1. Regularly attend classes
2. Actively taking part in classes
3. Pass colloquia - if student does not pass oral colloquium, cannot access clinical exercises
4. Get positive assessment from seminar
5. Collect at least 50% points

CLINICAL EXERCISES

Exercises/activities and interventions which are foreseen in Booklets for tracking and Grade of exercises and clinical practices are not evaluated numerically.

Success in performance exercises describes as:

- Exercise is adopted
- Exercise it is not adopted

In order for the student to be able to take the final exam, 90% of the planned interventions and activities must be adopted. 10% of foreseen intervention and activity can be transferred to the course Adult Health Care I/II

Closing exam - criterion Grades

Closing exam consists of: written exam.

If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:

% correct answers Final exam	Numerical grade
90 – 100 %	5 (excellent)
80 – 89.9 %	4 (very good)
65 – 79.9 %	3 (good)
50 - 64.9 %	2 (satisfactory)

Final Grade

The formation of the final grade according to the Regulations on studying is the sum of the percentages of acquired knowledge, skills and competences achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%)

% of acquired knowledge, skills and competencies	Numerical grade	ECTS - Grade

		90 – 100 %	5 (excellent)	A	
		80 – 89.9 %	4 (very good)	B	
		65 – 79.9 %	3 (good)	C	
		50 -64.9 %	2 (satisfactory)	D	
Compulsory literature	<ol style="list-style-type: none"> 1. Franković S., i sur. Zdravstvena njega odraslih- priručnik za studij sestrinstva. Zagreb: Medicinska naklada, 2010. 2. Včev A, Mirat J, Mihić D. Interna medicina. Osijek – Sveučilište u Osijeku. Naklada Ljevak; 2021 3. Brinar, V. i sur. Neurologija. Zagreb: Medicinska naklada; 2019. 4. Kuzman I. Infektlogija za viskoke zdravstvene škole, Medicinska naklada, Zagreb, 2012. 				
Additional literature	Teaching texts				
Number of copies	title	Number of copies		Number of students	
Compulsory literature	1. Včev A, Mirat J, Mihić D. Interna medicina. Osijek – Sveučilište u Osijeku. Naklada Ljevak; 2021	12		60	
	2. Brinar, V. i sur. Neurologija. Zagreb: Medicinska naklada; 2019.	12		60	
	3. Kuzman I. Infektlogija za viskoke zdravstvene škole, Medicinska naklada, Zagreb, 2012.	12		60	
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others</p>				

GENERAL INFORMATION		
Course title	HEALTH PSYCHOLOGY	
Course holder	Gina Lugović, senior lecturer	
Study programme (undergraduate, graduate)	undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-30, E-15

COURSE DESCRIPTION		
Course objectives	To acquaint students with basic knowledge of the psychological influence on health and illness, as well as the impact of illness and physical disorders on the development of psychological problems. Students will learn about the possibilities of applying psychological methods and techniques in health preservation, diagnosis, treatment and rehabilitation of diseases.	
Terms of course entry and required competencies	None	
Expected learning outcomes on the course level	<p>1 - explain the meaning of health psychology in recognition of psychological conditions which are related to health/diseases</p> <p>2 - predict the behaviour in persons of different ages in facing diseases</p> <p>3 - recognize the connection between different health hardships and psychological repercussions</p> <p>4 - explain the psychological aspects of working with dying patients and patients in the terminal stage of the disease and their family members</p> <p>5 - describe the process of grieving and losses - complicated grieving and depression</p>	
Course content	<ol style="list-style-type: none"> 1. Definition of health psychology, pediatric psychology, stress, health and illness, psychological factors: personality traits, coping strategies, locus of control, social support (Outcome 1) 2. Behavior in persons of different ages in facing diseases, specific coping strategies regarding age and illness, hospitalization in children and its prevention (Outcome 2) 3. Connection of difference between health hardships and psychological consequence. Psychological preparation of the patient for operational procedures; psychological aspects of body parts loss, psychological aspects of diabetes (Outcome 3) 4. Psychological aspects of working with dying patients and patients in the terminal stage of the disease and their family members (Outcome 4) 5. Grieving and loss. Shapes of complicated grieving and depression (Outcome 5) 	
	<input checked="" type="checkbox"/> lectures	<input checked="" type="checkbox"/> independent tasks

Types of teaching	<input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments				
Students` obligations Regularly and conscientiously attend all forms of classes					
Monitoring and evaluating student work	Activities	Outcomes	Hours	ECTS	Points min. – max.
	Attendance	1 - 5	34	1,2	0
	Class activities and practice approaches when solving psychological problems/group work	1 - 5	7.5	0.25	0 - 20
	Colloquium/oral	1 - 5	5.5	0.19	0 - 20
	Total		47	1.64	0 – 40 (50% grades)
	Final exam written	1 - 5	13	0.36	50 % grades
	Total		60	2	100% grades
	Evaluation criteria	Activities in classes and practicing approaches to solving psychological problems/group work		Colloquium/oral exam	
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks and group work		Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with	

			related content																		
Points: min. – max.		0-20	0-20																		
Minimum number of points - pass threshold		10	10																		
Total	0-40																				
Total grade	Pass threshold	Points range	Grade																		
	20 points	35 - 40	5 (excellent)																		
		30 - 34.99	4 (very good)																		
		26 - 29.99	3 (good)																		
		24 - 25.99	2 (satisfactory)																		
		20 - 23.99	2 (satisfactory)																		
Conditions for accession to the final exam																					
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquia 4. Collect at least 50% points 																					
Final exam - criterion evaluations																					
The final exam consists of a written exam.																					
If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:																					
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		80 – 89,9 %	4 (very good)	B	
		65 – 79.9 %	3 (good)	C	
		60 -64,9 %	2 (satisfactory)	D	
		50 – 59,9 %	2 (sufficient)	E	
Compulsory literature	1. Havelka M, Havelka A. Zdravstvena psihologija. Jastrebarsko: Naklada Slap, 2013.				
Additional literature	1. Hudek-Knežević J, Kardum I. Psihosocijalne odrednice tjelesnog zdravlja. Stres i tjelesno zdravlje. Jastrebarsko: Naklada Slap; 2006.				
Number of copies in the library	Title	Number of copies	Number of students		
	Havelka M. Zdravstvena psihologija. Jastrebarsko: Naklada Slap 2013	12	60		
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competencies	Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.				

GENERAL INFORMATION		
Course title	ECONOMICS IN HEALTHCARE	
Course holder	PhD . Diana Mečev, college prof.	
Study programme (undergraduate, graduate)	Undergraduate study in nursing	
Course status	Optional	
Year of study	2	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-15, S-15

COURSE DESCRIPTION		
Course objectives	To acquaint students with the topic and problem of the economics of the health system and health policy and general and specific acquisition of knowledge on economy in health policies and its importance for the state	
Terms of course entry and required competencies	None	
Expected learning outcomes on the course level	1 - explain the role of economics in healthcare for health systems 2 - analyze the national health system - basics 3 - explain health economic indicators and healthcare policy 4 - explain the elements of healthcare reform and state interventions	
Course content	1. Introduction to economics of healthcare (Outcome 1) 2. General considerations on economy of national healthcare system with a special focus on the nursing segment regarding the number, needs, qualification, distribution, etc. (Outcome 2) 3. Health economic indicators and healthcare policy (Outcome 3) 4. Reform of healthcare and state interventions with special review on nursing: competencies, system needs, categorization of patients, etc. (Outcome 4)	
Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work	<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other

Comments					
Students' obligations		Regularly and conscientiously attendance in all forms of classes			
Monitoring and evaluating student work	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 4	22	0.70	0
	Activity during classes	1 - 4	12	0.40	0 - 10
	Seminare	1 - 4	12	0.40	0 - 10
	Colloquium/oral	1 - 4	14	0.50	0 - 10
	Total	1 - 4	60	2	0 – 30 (100 % - evaluation)
	The final exam was not taken.				
	Total	1 - 4	60	2	100 % - evaluation
	Evaluation criteria	Activity during classes	Colloquium/oral exam	Seminar/preparation and presentation	
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks together	Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content	Organization/structure of work Vocabulary and grammar Expertise and professional terminology Writing style Citation and citing of references Presentation/multimedia	
	Points: min. – max.	0-10	0-10	0-10	
	Minimum number of points - pass threshold	5	5	5	
	Total	0-30			

	Total grade	Pass threshold	Points range	Grade															
		15 points	26 - 30	5 (excellent)															
			23 - 25.99	4 (very good)															
			19 - 22.99	3 (good)															
			15 - 18.99	2 (satisfactory)															
<p>Conditions for accession to the final exam Regularly attend classes Actively taking part in classes Pass colloquia Positively evaluated seminar work Collect at least 50% points</p>																			
<p>Final grade Forming the final grade: Based on the points achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%). In the ECTS system, the grade is expressed in the following way:</p> <table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical grade</th> <th>ECTS - grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89,9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64,9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>					% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade	90 – 100 %	5 (excellent)	A	80 – 89,9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64,9 %	2 (satisfactory)	D
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65 – 79.9 %	3 (good)	C																	
50 -64,9 %	2 (satisfactory)	D																	
Compulsory literature	<ol style="list-style-type: none"> Miloloža, D, Economics in healthcare Osijek: University Josip Juraj Strossmayer in Osijek, Faculty of Dental Medicine and Health, 2010 Šogorić S. Organizacija zdravstvene zaštite i zdravstvena ekonomika. Medicinska naklada; 2016 																		
Additional literature	Teaching texts																		
Number of copies in the library	Title	Number of copies	Number of students																
	1. Miloloža, D, Economics in healthcare Osijek: University Josip Juraj Strossmayer in Osijek, Faculty	12	60																

	<p>of Dental Medicine and Health, 2010</p> <p>2. Šogorić S. Organizacija zdravstvene zaštite i zdravstvena ekonomika. Medicinska naklada; 2016</p>	12	60
<p>Methods of quality monitoring that ensure the acquisition of knowledge, skills and competencies</p>	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>		

GENERAL INFORMATION		
Course title	BASIC PAIN MANAGEMENT PROCEDURES	
Course holder	Josipa Jović Zlatović, MD, lecturer	
Study programme (undergraduate, graduate)	Undergraduate study in nursing	
Course status	Optional	
Year of Study	2	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-15, E-15

COURSE DESCRIPTION	
Course objectives	The objectives of the course are the develop the necessary knowledge and skills to assess pain in patients, to recognise pain signs (verbal and non-verbal signs), to assess the psychological state of the patient and to carry out procedures during the treatment of pain (acute, chronic and malignant pain). Students will also try to acquire knowledge about therapeutic procedures for patients - addicts, and accompanying phenomena of opioid analgesia.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - define pain and its influence on all organs and organic systems</p> <p>2 - recognize symptoms it hurts (verbal and non-verbal characteristics) you psychologically the patient's condition</p> <p>3 - estimate the intensity of pain with the application of different measuring scales, aids or tools</p> <p>4 - explain techniques for suppressing or reducing the intensity of pain</p> <p>5 - recognize accompanying occurrences on the occasion of pharmacological method treatment for pain</p>
Course content	<ol style="list-style-type: none"> 1. Definition of pain, components and pathophysiology of pain (Outcome 1) 2. Signs and symptoms of pain (verbal, nonverbal) and psychological reactions of patients to pain (Outcome 2) 3. Assessment of intensity of pain with the application of different measuring scales, aids or tools (Outcome 3) 4. Techniques and methods for suppressing or reducing the intensity of pain (Outcome 4) 5. Accompanying occurrences of pharmacological preparations for suppression (early recognition and suppression) (Outcome 5))

Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments				
Students' obligations	Regularly and conscientiously attendance in all forms of classes				
	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 5	22	0.70	0
	Activity during classes	1 - 5	12	0.40	0 - 10
	Colloquium 1/oral	1 - 5	9	0.30	0 - 10
	Colloquium 2/ case	1 - 5	18	0.60	0 - 20
	Total	1 - 5	60	2	0 – 40 (100 % grades)
	The final exam was not taken.				
	Total	1 - 3	60	2	2
	Evaluation criteria	Activity during classes		Colloquium/oral exam	Colloquium 2/ case

Monitoring and evaluation of student work	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	Preparation/learning Theoretical knowledge Accuracy of exercise inperformance or display/multimedia	Tracking verbal and non-verbal signs and symptoms of pain Application of scale for determination of pain intensity Application of techniques for suppression of pain (competencies) Evaluation Documentation
	Points: min. – max.		0 - 10	0 - 10	0 - 20
	Minimum number of points - pass threshold.		5	5	10
	Total		0-40		
	Total grade	Pass threshold	Points range	Grade	
	20 points	35 - 40 30 - 34.99 26 - 29.99 20 - 25.99	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory)		
Conditions for forming the final grade: <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquium 4. Get positive assessment from studies case 5. Collect at least 50% points 					
The final exam was not taken.					

	<p>Final grade</p> <p>Forming the final grade: Based on the points achieved during classes. In the ECTS system, the grade is expressed in the following way:</p> <table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical grade</th> <th>ECTS - grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89,9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64,9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>			% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade	90 – 100 %	5 (excellent)	A	80 – 89,9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64,9 %	2 (satisfactory)	D
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Additional literature	Ivančić T. Hagioterapijska antropologija. Zagreb: Teovizija; 2010.																	
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GENERAL INFORMATION

Course title	TRANSFUSION OF BLOOD AND BLOOD PRODUCTS	
Course holder	Ivana Skorić, MD, lecturer	
Study programme (undergraduate, graduate)	Undergraduate study in nursing	
Course status	Optional	
Year of Study	2	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-15, E-15

COURSE DESCRIPTION

Course objectives	Acquaint students with the indications for blood transfusion and its preparations in treating patients, when and why it is applied, patient preparation, preparation of materials for taking blood sample for KG, Rh factor and crossover tests. Also, students will get to know the principles of transfusion of blood and blood products and early and late complications.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 – explain indications for the application of blood transfusions and blood products in patient treatment and possible early and late complications</p> <p>2 – distinguish blood products according to actions/indications for application</p> <p>3 - spend procedure of taking sample blood for KG, Rh factor and compatibility tests/crossover tests</p> <p>4 – prepare the patient for application of blood transfusions and of blood products - identification, accompanying documentation</p> <p>5 – prepare doses of blood or blood products, material required for application</p> <p>6 – detect initial signs of complications</p>
Course content	<ol style="list-style-type: none"> 1. indications for the use of blood transfusion and blood products in the treatment of patients and possible early and late complications (Outcome 1) 2. types of blood preparations according to way of actions/indications for application (Outcome 2) 3. procedure of taking blood sample for KG, Rh factor and tests of compatibility/crossover tests (Outcome 3) 4. preparation of the patient for application of blood transfusions and of blood preparations – identification, supporting documentation (Outcome 4) 5. preparation of blood doses or blood preparation, material necessary for application (Outcome 5) 6. early and late complications of transfusion of whole blood and blood products (symptoms and signs) and their prevention (Outcome 6)

Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments				
Students' obligations		Regularly and conscientiously attendance in all forms of classes			
	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 6	22	0.70	0
	Activity during classes	1 - 6	12	0.40	0 - 10
	Colloquium 1/oral	1 - 6	12	0.40	0 - 10
	Essay	1-6	14	0.50	0 - 10
	Total	1 - 6	60	2	0 – 30 (100 % grades)
	The final exam was not taken.				
	Total		60	2	100 % grades
	Evaluation criteria	Activity during classes		Colloquium/oral exam	

monitoring and evaluating student work	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	Level of knowledge (ability analysis, synthesis and evaluations) Structuredness and accuracy of answers Logical connecting the facts Mastery of professional terms and concepts Correlation with similar contents	Organization and structure of work Professionalism Terminology and overall vocabulary Linkage with clinical subjects References
	Points: min. – max.		0 - 10	0 - 10	0 - 10
	Minimum number of points - pass threshold.		5	5	5
	Total		0-30		
	Total grade	Pass threshold	Points range	Grade	
	15 points	26 - 30 23 - 25.99 19 - 22.99 15 - 18.99	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory)		
<p>Conditions for forming the final grade:</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquium 4. Get a positive assessment of the essay 5. Collect at least 50% points 					
The final exam was not taken.					

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Compulsory literature	<p>Kalauz S. Zdravstvena njega kirurških bolesnika: Zagreb: Zdravstveno veleučilište, 2021. E-edition – Chapter: Transfusion blood</p>																	
Additional literature	<p>Šustić A. i sur. Priručnik iz anesteziologije, reanimatologije i intenzivne medicine za studente prediplomskih, diplomskih i stručnih studija, Medicinski fakultet Rijeka, Digital pont d.o.o.Rijeka, 2014.</p>																	
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GENERAL INFORMATION		
Course title	DERMATOLOGY	
Course holder	Sanja Jakelić, MD, lecturer	
Study programme (undergraduate, graduate)	undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	1
	Number of hours (Lectures+Exercises+Seminars)	L-15

COURSE DESCRIPTION		
Course objectives	To acquaint students with basic clinical conditions of the most common dermatological diseases to understand the pathophysiological foundations and symptomatology of the most common dermatological diseases and to apply the mentioned contents in the health care of dermatological patients	
Terms of course entry and required competencies	None	
Expected learning outcomes on the course level	1 - describe most common dermatological diseases and symptoms 2 - explain basic diagnostic and therapeutic procedures in dermatovenerology 3 - identify the nurse's role in recognizing and monitoring symptoms	
Course content	1. Most common dermatological diseases and their symptoms (Outcome 1) 2. Basic ways of diagnostics and treatment in dermatovenerology (Outcome 2) 3. Nursing role in health care for dermatological patient (Outcome 3)	
Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work	<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other

Comments																
Students` obligations	Regularly and conscientiously attend all forms of classes															
Monitoring and evaluating student work	Activities	Outcomes	Hou rs	ECTS	Points min. – max.											
	Attendance	1 - 3	11	0.30	0											
	Activity during classes	1 - 3	9.5	0.25	0 Formative valuation											
	Total	1 - 3	20. 5	0.55	Formative valuation											
	The final exam not taken	1 - 3	9.5	0.45	100 % grades											
	Total	1 - 3	30	1	100 % grades											
	Evaluation criteria	The commitment of students, preparation for teaching units, knowledge of previous content and linkage of fact are monitores at the beginning of each class block, but without assessment. The grade is based on the final exam.														
Monitoring and evaluating student work	Conditions for accession to the final exam															
	1. Regularly attend classes															
Monitoring and evaluating student work	Final exam - criterion evaluations															
	<p>The final exam consists of a written exam. If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p> <table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical grade</th> <th>ECTS - grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89,9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79,9 %</td> <td>3 (good)</td> <td>C</td> </tr> </tbody> </table>					% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade	90 – 100 %	5 (excellent)	A	80 – 89,9 %	4 (very good)	B	65 – 79,9 %	3 (good)
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	<p>Final grade</p> <p>Forming the final grade: Based on the points achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%). In the ECTS system, the grade is expressed in the following way:</p> <table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical grade</th> <th>ECTS - grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89,9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64,9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>			% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade	90 – 100 %	5 (excellent)	A	80 – 89,9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64,9 %	2 (satisfactory)	D
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Compulsory literature	<p>1. Basta-Juzbašić A. i sur. Dermatovenerologija, Medicinska naklada, Zagreb, 2014. 2. Lipozenčić, J. i sur. Dermatovenerologija, Medicinska naklada, Zagreb, 2014..</p>																	
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GENERAL INFORMATION		
Course title	PUBLIC HEALTH	
Course holder	PhD . Željko Huljev, MD, lecturer	
Study programme (undergraduate, graduate)	undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	3
	Number of hours (Lectures+Exercises+Seminars)	L-30, E-15

COURSE DESCRIPTION	
Course objectives	To acquaint students with public health terms and problems and train them to apply and analyze public health problems and independently assess the cause-and-effect factors that cause them. Efforts will also be made to train students for independent planning of nursing procedures and measures in the field of public health.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - explain basic terms from areas of public healthcare (health, healthcare system, health economy)</p> <p>2 - identify factors and risks that affect health into all groups of social communities</p> <p>3 - describe procedures in the prevention of health methods and social interventions in the field of social security, unemployment and health</p> <p>4 - explain relations between social need and social protection, co-protection and self-protection</p> <p>5 - to plan nursing procedures and measures in preventive medical and social health and medical aspects at all levels of healthcare</p> <p>6 - estimate effects of nursing procedures and measure in the preventive medical and social medical aspect</p>
Course content	<ol style="list-style-type: none"> 1. Defining health and system of health protection in terms of health economy (Outcome 1) 2. Risk factors affecting health in all groups of the social community (Outcome 2) 3. Improvement and promotion of health and social interventions in areas of social security, unemployment and health (Outcome 3) 4. Health needs and health requirements and relations between social need and social protection, co-protection and self-protection (Outcome 4) 5. Role of nurses (procedures and measures) in preventive medical and social medical areas on all levels of health protection (Outcome 5)

Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input checked="" type="checkbox"/> fieldwork		<input checked="" type="checkbox"/> independent tasks <input checked="" type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments				
Students' obligations		Regularly and conscientiously attendance in all forms of classes			
	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 6	34	1.15	0
	Activity during classes	1 - 6	7	0.24	0 - 10
	Colloquium l/written	1 - 6	12	0.40	0 - 10
	Colloquium/exercises	1 - 6	9	0.30	0 - 20
	Total	1 - 6	62	2.09	0 – 40 (50 % grades)
	Final exam written	1 - 6	28	0.91	50 % grades
	Total	1 - 6	90	3	100 % grades
	Evaluation criteria	Activity during classes		Colloquium/written	Colloquium/exer cises

Monitoring and evaluating student work	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	A knowledge test offers 4 answers, of which only 1 is correct. The test contains 20 questions, each with a correct answer value of 1 point. Score range and link to grade determined by course holder	Collecting the necessary data Making of plan Projection evaluations – measurement of outcomes
	Points: min. – max.		0-10	0-10	0-20
	Minimum number of points - pass threshold		5	5	10
	Total		0-40		
	Total grade	Pass threshold	Points range	Grade	
	20 points	35 - 40 30 - 34.99 26 - 29.99 24 - 25.99 20 - 23.99	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory) 2 (satisfactory)		
Conditions for accession to the final exam					
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquia 4. Get a positive assessment from production plan prevention diseases 5. Collect at least 50% points 					
Final exam - criterion evaluations					
<p>The final exam consists of written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p>					

		% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade															
		90 – 100 %	5 (excellent)	A															
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Compulsory literature	<ol style="list-style-type: none"> . Kolčić I, Vorko Jović A. Epidemiologija. Medicinska naklada, 2012. . Puntarić D, Ropac D, i sur. Higijena i epidemiologija. Zagreb: Medicinska naklada, 2016. 																		
Additional literature	<ol style="list-style-type: none"> Vorko-Jović A, Strnad M, Rudan I, i sur. Epidemiologija kroničnih nezaraznih bolesti, Zagreb, Medicinska naklada, 2010. 																		
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Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>																		

GENERAL INFORMATION		
Course title	NEUROLOGY	
Course holder	PhD Anka Aleksić Shihabi, MD, lecturer	
Study programme (undergraduate, graduate)	undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	1
	Number of hours (Lectures+Exercises+Seminars)	P-15

COURSE DESCRIPTION	
Course objectives	The main goal of the course is to adopt the nature of origin, recognition, diagnosis, treatment and possible consequences of neurological diseases and conditions and the role and importance of nurses and technicians in raising the efficiency and quality of successful treatment.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - apply knowledge of modern management in the successful prevention and treatment of neurological diseases, conditions and their consequences</p> <p>2 - recognize leading neurological disorders, their consequences and ways of rehabilitation</p> <p>3 - list the methods of prevention of neurological diseases, conditions and disorders</p> <p>4 - describe emergency neurological conditions and their care</p>
Course content	<ol style="list-style-type: none"> 1. Causes of neurological diseases, vital habits and risk factors, diagnostics of neurological diseases, disorders and conditions and diagnostic equipment and techniques. Treatment of neurological diseases and conditions (Outcome 1) 2. Leading neurological issues, consequences and rehabilitation (Outcome 2) 3. Methods of prevention of neurological diseases, conditions and disorders (Outcome 3) 4. Emergency conditions in neurology and ways to care for the patient (Outcome 4)

Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other			
	Comments					
Students' obligations		Regularly and conscientiously attendance in all forms of classes				
Monitoring and evaluating student work	Activities		Outcomes	Hours	ECTS	Points min. – max.
	Attendance		1 - 4	11	0.30	0
	Activity during classes		1 - 4	9.5	0.25	0 Formative evaluation
	Total		1 - 4	20.5	0.55	Formative valuation
	Final exam written		1 - 4	9.5	0.45	100 % grades
	Total		1 - 4	30	1	100 % grades
	Evaluation criteria		The commitment of students, preparation for teaching units, knowledge of previous content and linkage of facts are monitored at the beginning of each class block, but without assessment. The grade is formed on the final exam.			
Conditions for accession to the final exam		1. Regularly attend classes				

Final exam - criterion evaluations

The final exam consists of a written exam.

If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:

% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade
90 – 100 %	5 (excellent)	A
80 – 89,9 %	4 (very good)	B
65 – 79.9 %	3 (good)	C
50 -64,9 %	2 (satisfactory)	D

Final grade

Forming the final grade: Based on the points achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%). In the ECTS system, the grade is expressed in the following way:

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Compulsory literature

1. Brinar, V. i sur. Neurologija. Zagreb: Medicinska naklada; 2019.

Additional literature

1. Bučuk M i Tuškan – Mohar L. Neurologija za stručne studije. Medicinski fakultet Rijeka; 2012.
2. Demarin V i Trkanjec Z. Neurologija, Medicinska naklada, Zagreb; 2008.

Number of copies in the library

Title	Number of copies	Number of students
Brinar, V. i sur. Neurologija. Zagreb: Medicinska naklada; 2019.	12	60

Methods of quality monitoring that ensure the acquisition of knowledge, skills and competencies

Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.

Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.

GENERAL INFORMATION

Course title	ORGANIZATION, MANAGEMENT AND ADMINISTRATION IN HEALTH CARE	
Course holder	Vesna Bušac, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year of study	2.	
Credit score and forms of teaching	ECTS credits	4
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-30, E-70, S-15

COURSE DESCRIPTION

Course objectives	To acquaint student with basics of organization, management and administration in healthcare area, which should enable students to understand the processes in the field of organization, management and administration, and adopted skills improvement and advancement in excellence of nursing practices.
Terms of course entry and required competence	none
Expected outcomes on the course level	<p>O1 - explain management theories, management processes, concepts of organizational culture, organizational structure, organizational principles and concepts, organization of work according to leadership concepts, specifics of strategic and operational management and levels and ways of communication in organizations</p> <p>O 2 - describe skills of organizations and management in nursing practice, ways of management on management levels, how to manage time: apply the principles of time management in nursing practice, change management principles and methods of decision-making in nursing practice</p> <p>O 3 - explain styles and models of management of human potentials, different models of organization of work in the health care process; way of delegating tasks and supervisory process in nursing practice</p> <p>O 4 - describe the functioning of the technical and structural support system and their application in nursing practice, patient categorization in nursing practice: organization of work of nurses in relation to the needs of patients, calculation of the required number of medical nurses in relationship to the needs of patients through direct and indirect healthcare;</p> <p>O 5- apply the principles of teamwork: team building, interdisciplinary and multidisciplinary access to health care and the principles of quality and risk management in health care</p> <p>O 6 - demonstrate key styles of people management, scheduling and number in planning medical nurses through categorization of patients, ways of management quality and risk prevention in health care, ways of managing time in relation to Lewin`s scheme of change management</p>

Course content	<ol style="list-style-type: none"> 1. Theories of management and organization of work. Organizational culture in health organizations, organizational structure, organizational principles and concepts, organization of health organizations according to leadership concepts. Specificities of strategic and operational management. Communication in the work organization (Outcome 1) 2. Strategic and operational management, organization and administration in nursing practice. Organization and management skills in nursing practice, management style on different management levels, time management: principles of time management in nursing practice, principles of management changes and ways of decision making in the nursing practice (Outcome 2) 3. Styles and models of human resources management, work organization model in process of health care/structural systems of support; ways of delegating tasks and supervisory processes in nursing practice (Outcome 3) 4. Systems of technical and structural support and their application in nursing practice, categorization of patients in nursing practice – the number of nurses and their organization of work in relationship to needs/categories of the patient (calculating necessary number of nurses in relationship to the patient's needs through direct/indirect healthcare care) (Outcome 4) 5. Principles of teamwork: team building, interdisciplinary and multidisciplinary approach in health care, fundamental principles of quality and risk management in healthcare (quality standards, SOP, quality indicators in healthcare, Demings procedural lap of quality, models of risk management in health care, administrative procedures when reporting unwanted events at working place (Outcome 5) 6. Training skill - key styles of staff management, planning schedule and number of staff through categorization of patients, quality and prevention risks management in health care, time management in relationship to the curriculum, application of the Lewins schemes of changes management in practice (Outcome 6) 				
Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field teaching		<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
Comments	-				
Obligations students	Regularly and conscientiously attend all forms of classes				
Monitoring and valuation of work	Activities	Outcomes	Number hours	ECTS	Points min. – max.

students				
Attendance classes	1 - 6	86	2.9	0
Activities in class	1 - 6	6	0.20	0 - 20
Seminar/writing i exposure	1 - 6	5	0.15	0 - 10
Colloquium/oral	1 - 6	6	0.20	0 - 20
In total	1 - 6	103	3.45	0 – 50 (50% grades)
Closing exam/written	1 - 6	17	0.55	50% grades
In total	1 - 6	120	4	100 % grades
Criteria Grade	Activities in class	Colloquium/oral		Seminar/writing i exposure
Description	Preparing for educational units	Level of knowledge (ability to analyze, synthesis and evaluate)		Organization/structure of work
	Understanding previous content	Structuredness and accuracy of answers		Vocabulary and grammar
	Participation in common solving tasks	Logical connection of fact		Expertise and professional terminology
	Actively participate in organization analysis and management on clinical departments	Mastery of terminology and concepts		Style of writing
Points: min. – max.	0 - 20	0 - 20		0 - 10
Minimum numberpoints - threshold	10	10		5
Total	0 - 50			
Total Grade	Prague transience	Span points	Grade	
	25 points	45 – 50	5 (excellent)	
		38 - 44.9	4 (very good)	

		32 - 37.9	3 (good)															
		25 - 31.9	2 (satisfactory)															
Conditions for accession final exam																		
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Passe colloquium 4. Positive grade from seminar work 5. Collect at least 50% points 																		
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Additional literature	1. Baračkai, Z. Dileme donositelja poslovnih odluka. Zagreb: Sinergija d.o.o., Zagreb,2010. 2.Marquis BL, Houston CJ. Leadership Roles and Management Functions in Nursing:Theory and Application (9 th ed.). North American Edition; in 2017		
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GENERAL INFORMATION		
Course title	PEDIATRICS	
Course holder	PhD Jerko Vučak, MD, lecturer	
Study programme (undergraduate, graduate)	undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-30

COURSE DESCRIPTION	
Course objectives	To acquaint students with fundamental knowledge from areas of general paediatrics, with peculiarities of children's immune system and the most significant diseases and disorders in children.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - explain fundamental principles from areas of pediatric measures which are undertaken in protecting the health of mothers and children</p> <p>2 - explain the psycho-motor development of a child</p> <p>3 - state the most common diseases and injuries in children's age, diagnostic and ways of treatment</p> <p>4 - state specific genetic diseases of children, chromosomal anomalies, pathological conditions after childbirth and malformations of organ systems and their antenatal and postnatal diagnosis</p> <p>5 - explain specific reanimation procedure of children and principles of intensive treatment</p>
Course content	<ol style="list-style-type: none"> 1. Fundamental principles of protection of mothers and children and vital statistical data important for Croatia (Outcome 1) 2. Psycho-motor development of a child (Outcome 2) 3. Most common diseases and injuries in children's age, diagnostic searches and ways of treatment: 4. accidents in children, and craniocerebral injuries, polytrauma (Outcome 3) 5. diseases of gastrointestinal tract, diet and disorders diet (Outcome 3) 6. anomalies and infections of urinary system in children, (Outcome 3) 7. infections of respiratory system in children (Outcome 3) 8. diseases of pituitary gland, thyroid and parathyroids (Outcome 3) 9. neurological diseases in children, convulsive syndrome and epilepsy, neurocutaneous syndromes, brain tumours, neuromuscular diseases and

	<p>heredodegenerative CNS diseases, perinatal brain damage - children's cerebral palsy (Outcome 3)</p> <p>10. diseases of metabolism Ca and P, rachitis, diabetes, diabetes insipidus (Outcome 3)</p> <p>11. diseases of bony system in children, rheumatic diseases in children (Outcome 3)</p> <p>12. development and peculiarities of haematological system in children, diseases of haematological system (Outcome 3)</p> <p>13. growth disorders (Outcome 3)</p> <p>14. peculiarities of immunological system in children, immunodeficiency (Outcome 3)</p> <p>15. fever - importance and procedures (Outcome 3)</p> <p>16. heart diseases in children's age, syndrome of cardiovascular failure, pericarditis, myocarditis, endocarditis (Outcome 3)</p> <p>17. syndrome of sudden infant death (Outcome 3)</p> <p>18. ADHD (attention deficit hyperactive disorders) (Outcome 3)</p> <p>19. Diseases of liver, bile and pancreas (Outcome 3)</p> <p>20. Specific genetic diseases of children, pathological conditions after birth, congenital malformations of organ systems, antenatal and postnatal diagnosis of hereditary diseases, congenital and acquired cardiac mistakes, monogenetic and polygenetic hereditary diseases, chromosomal anomalies and prenatally damaged fetus, developmental anomalies of the brain and skull, etc. (Outcome 4)</p> <p>21. Specific reanimation procedure of children and principles of intense treatment (Outcome 5)</p>				
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Comments					
Students` obligations	Regularly and conscientiously attend all forms of classes				
	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 5	22	0.7	0 - 0
	Activity during classes	1 - 5	9	0.30	0 - 10
	Colloquium 1/written	1 - 5	10	0.35	0 - 20
	Total	1 - 5	41	1.35	0 – 30 (50 % exam)

Monitoring and evaluating student work	Final exam written		1 - 5	19	0.65	50 % of the exam
	Total		1 - 5	60	2	100%
	Evaluation criteria	Activity during classes		Colloquium/oral exam		
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks together		Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content		
	Points: min. – max.	0-10		0-20		
	Minimum number of points - pass threshold	5		10		
	Total		0-30			
	Total grade	Pass threshold	Points range	Grade		
		15 points	26 - 30 23 - 25.99 19 - 22.99 17 - 18.99 15 - 16.99	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory) 2 (satisfactory)		

	Conditions for accession to the final exam																	
	<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquia 4. Collect at least 50% points 																	
	Final exam - criterion evaluations The final exam consists of a written exam. If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:																	
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GENERAL INFORMATION

Course title	NURSING CARE OF ADULTS I/II	
Course holder	Ana Žepina Puzić, MSN, lecturer	
Study programme-undergraduate	Undergraduate Professional Study Nursing	
Course status	Obligatory	
Year of study	2.	
Credit score and forms of teaching	ECTS credits	4
	Hours (Lectures+ Exercises+ Seminars)	L-15, E-80, S- 10

COURSE DESCRIPTION

Course objectives	To acquaint students with the basic principles and skills of health care for patients with internal, infectious, and neurological diseases. Acquired and adopted knowledge and skills should enable understanding of basic principles of health care, and application of basic skills in nursing practice.
Terms of course entry and required competences	There are no conditions for enrolment, but passing subject is possible exclusively after successfully passing the course Adult Health Care I/I.
Expected learning outcomes on course level	Continuation – NURSING CARE OF ADULTS I/I 1 - implement planned health care for patients with diseases of various organ systems/Part II 2 - explain the role of the nurse when performing diagnostic and therapeutic procedures 3 - apply basic resuscitation procedures for conservation of life (BLS)
Course content	<ol style="list-style-type: none"> 1. Enforcement of planned health care for patients with diseases of different organic systems (Outcome 1) <ol style="list-style-type: none"> a. Specifics in assessments of conditions of infectious diseases with patient, patient isolation (Outcome 1) b. healthcare of patients with bacterial contagious diseases (intestinal infectious diseases, meningitis, tetanus) (Outcome 1) c. healthcare of people with viral contagious diseases (meningitis, hepatitis A, B, C, D, HIV infection) (Outcome 1) d. healthcare of people with parasitic diseases (amoebiasis, trichinosis) (Outcome 1) e. healthcare of neurological disorders and neurological diseases (cerebral circulation diseases, neuromuscular diseases, epilepsy) with a special focus on pain therapy (Outcome 1) f. healthcare of patients with disorders of consciousness (Outcome 1) 2. The nurse's role in performing diagnostic and therapeutic procedures (patient preparation, material preparation, specific procedures) - lumbar puncture, angiography, myelography EPIC, EEG, coronary angiography, catheterization from the heart, thoracic puncture/drainage, biopsies...) (Outcome 2) 3. Basic reanimation procedures for conservation of life (BLS/Basic Life Support) (Outcome 3)

Types teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments	-			
Students' obligations	Regularly and conscientiously attendance of all types of classes				
Monitoring and evaluating student work	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 3	90	3	0
	Activities in classes and seminars work in group	1 - 3	7.5	0.25	0 - 20
	Colloquium/written	1 - 3	7.5	0.25	0 - 20
	Activity during classes Total	1 - 3	105	3.5	0 – 40 (50 % grades)
	Closing exam/written	1 - 3	15	0.5	50 % grades
	Activity during classes Total	1 – 3	120	4	100%
	Evaluation criteria	Activity during classes and seminar work in the group		Colloquium/written	
Description	Preparation for teaching units Understanding previous content Participation in solving tasks together Processing of professional papers on the topic of internist care patients and new		A knowledge test offers 4 answers, of which only 1 is correct. The test contains 20 questions, each with a correct answer value with 1 point. The range of points and the link with the grade is determined by the course holder		

		technique in disease diagnosis - preparation of works and discussion		
Points: min. - max.		0 - 20	0 - 20	
Minimal number of points - passing threshold		10	10	
Activity during classes Total points	0 - 40			
Total grade	Pass treshold	Points range	Grade	
	20 points	35 - 40	5 (excellent)	
		30 - 34.99	4 (very good)	
		26 - 29.99	3 (good)	
		24 - 25.99	2 (satisfactory)	
20 - 23.99				
Conditions for accession to the final exam				
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquium 4. Adopt clinical exercises - 100% 5. Collect at least 50% points 				
CLINICAL EXERCISES				
Students cannot access practice if they have not passed colloquium and received a positive grade from the work in the seminar group.				
Exercises/activities and interventions which are foreseen in Booklets for tracking and Grade of clinical exercises and clinical practices are not evaluated.				
Success in performance exercises is described as:				
<ul style="list-style-type: none"> • Exercise is adopted • Exercise it is not adopted 				
Student can access the final exam if they have adopted 100 % of planned interventions and activities				
Closing exam – grade criterion				

	Closing exam consists of: written exam.																				
	If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:																				
	<table border="1"> <thead> <tr> <th>% correct answers Final exam</th> <th colspan="2">Numerical grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td colspan="2">5 (excellent)</td> </tr> <tr> <td>80 – 89.9 %</td> <td colspan="2">4 (very good)</td> </tr> <tr> <td>65 – 79.9 %</td> <td colspan="2">3 (good)</td> </tr> <tr> <td>50 - 64.9 %</td> <td colspan="2">2 (satisfactory)</td> </tr> <tr> <td></td> <td colspan="2"></td> </tr> </tbody> </table>			% correct answers Final exam	Numerical grade		90 – 100 %	5 (excellent)		80 – 89.9 %	4 (very good)		65 – 79.9 %	3 (good)		50 - 64.9 %	2 (satisfactory)				
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	<p>Final Grade</p> <p>The formation of the final grade according to the Rulebook on studying is the sum of the percentages of acquired knowledge, skills and competences achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%)</p> <table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical grade</th> <th>ECTS - Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64.9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>			% of acquired knowledge, skills and competencies	Numerical grade	ECTS - Grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D			
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65 – 79.9 %	3 (good)	C																			
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Compulsory literature	<ol style="list-style-type: none"> 1. Franković S., i sur. Zdravstvena njega odraslih- priručnik za studij sestrinstva. Zagreb: Medicinska naklada, 2010. 2. Včev A, Mirat J, Mihić D. Interna medicina. Osijek – Sveučilište u Osijeku. Naklada Ljevak; 2021 3. Brinar, V. i sur. Neurologija. Zagreb: Medicinska naklada; 2019. 4. Kuzman I. Infektologija za viskoke zdravstvene škole, Medicinska naklada, Zagreb, 2012. 																				
Additional literature	1. Teaching texts																				
The number of copies is Compulsory literature	Title	Number of copies	Number of students																		

per number of students attending the course	1. Včev A, Mirat J, Mihić D. Interna medicina. Osijek – Sveučilište u Osijeku. Naklada Ljevak; 2021	12	60
	2. Brinar, V. i sur. Neurologija. Zagreb: Medicinska naklada; 2019.	12	60
	3. Kuzman I. Infektologija za visoke zdravstvene škole, Medicinska naklada, Zagreb, 2012.	12	60
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.		

GENERAL INFORMATION

Course title	CLINICAL PRACTICE IN HEALTH CARE II	
Course holder	Vesna Bušac, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year	2.	
Credit score and forms of teaching	ECTS credits	4
	Number hours (LECTURES+EXERCISES+SEMINARS)	V-120

COURSE DESCRIPTION

Course objectives	To train the student to implement practical skills in health care of patients at neurological, internal medicine and paediatric departments, which they acquired during clinical exercises from the course health care.
Terms of course entry and required competence	There are no conditions for enrolling in the course, but taking the course is possible only after successfully passing course Clinical health exercises care I.
Expected outcomes on the course level	<ul style="list-style-type: none">O 1 – perform reception and release of internal, infectious, neurological and pediatrics patients (within framework of nursing competence)O 2 – prepare the patient for general and specific therapeutic and diagnostic procedures (neurological, internal, infectious patients)O 3 – plan healthcare of internal, infectious, and neurological patientsO 4 – carry out planned healthcare of internal, infectious, and neurological patientsO 5 – plan healthcare care in pediatricsO 6 – carry out planned healthcare care in pediatrics

Course content	<ol style="list-style-type: none"> 1. Reception and release of internal, infectious, neurological and pediatric patients (within framework of nursing competence) (Outcome 1) 2. Planning health care of internal, infectious diseases and neurological patients with regard to their specificities in meeting basic human needs (Outcome 2) 3. General and specific procedures in neurological, infectious and internal medicine patients (ECG, EEG, abdominal tracer, pleural tracer, lumbar tracer gastroscopy, colonoscopy and other) (Outcome 3) 4. Specific nursing interventions in internal medicine, infectious diseases and neurology patients (introduction of nasogastric probes, application of infusion solution through infusion pumps, preparation for application of transfusion blood and of blood preparations, aspiration secretions from mouth and respiratory roads, special techniques of feeding patient, taking microbiological samples, taking care of the patient in sterile units, 	
	<p>application of cytostatic therapy and measures of protection of patients and self-protection and other interventions – (Outcome 4)</p> <ol style="list-style-type: none"> 5. Production of pediatric health plan (Outcome 5) 6. Enforcement of planned pediatric health plan -assessment of psychomotor growth and development of the child using all methods, scales and techniques, child restraint techniques for certain medical-technical procedures, PPD test, maintenance of hygiene, skin care, prevention of diseases, nutrition/artificial or maternal milk, lips cavities care, taking samples of blood, urine and other excretion for laboratory analysis; health care of premature infants - maintenance of hygiene, care skin, prevention of rashes, nutrition/artificial or mother's milk, lips cavities care, taking samples of blood, urine and other secretions for laboratory analysis and other necessary interventions; specifics of child health care in the unit for intensive treatment ICU– skin and mucosa care, hemodynamically monitoring, nutrition/enteral or parenteral, fluid balance monitoring, drainage monitoring system, mechanical fan – tracking parameters, aspiration content from mouth and endotracheal tube, nasogastric probes (Outcome 6) 	
Types performance classes	<input type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other
Comments	-	
Obligations students	Regularly and conscientiously attendance of all forms of classes	

Monitoring and evaluation of workstudents	Activities	Outcomes	Number hours	ECTS	Points min. – max.
	Attending classes - clinical exercises	1 - 6	90	3	0
	Activities in class	1 - 6	18	0.60	0 - 20
	Professional behavior	1 - 6	12	0.40	0 - 20
	In total	1 - 6	120	4	0 - 40 (100%)
	Final grade	1 - 6	120	4	100%
	Criteria	Activities in class	Professional		
Grade		behavior			

	Description	<ul style="list-style-type: none"> - preparation for clinical exercises/practice - theoretical knowledge - planning health care - production of individual plan - adoption and connection of adopted clinical exercises/activities intervention and their application on hospital/clinic departments - motivation and interest - communication with the patient, family members and colleagues - respect and protection of patient's autonomy and integrity - protection of patient's interests 		<ul style="list-style-type: none"> - arrival and departure from workplace in exactly scheduled specified time - compliance with recommendations of the Ethical codex of nurse /Croatian chamber of nurses - adherence to regulations related to protective clothing and footwear/professional clothing and footwear with identification card (ID). - respect for internal organizational culture of health organizations in which the student performs clinical practice 		
		Points: min. – max.	0 - 20	0 - 20		
	Minimum number points - threshold transience	10	10			
	Total	0 - 40				
	Total Grade	Prague transience	Span points	Grade		
		20 points	35 - 40 30 - 34.99	5 (excellent) 4 (very good)		

		26 - 29.99	3 (good)	
		24 - 25.99	2 (satisfactorily)	
		20 - 23.99	2 (satisfactory)	
Final grade				
Final grade represents attainment student (number points and Grade) during clinical exercises. It is evaluated transmits in ECTS rustling on following way:				
		% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade
		90 – 100 %	5 (excellent)	A
		80 – 89,9 %	4 (very good)	B
		65 – 79.9 %	3 (good)	C
		50 -64,9 %	2 (satisfactory)	D
Compulsory literature	<ol style="list-style-type: none"> 1. Čukljek S. Osnove zdravstvene njege. Zagreb: Zdravstveno veleučilište.2005. 2. Fučkar G. Proces zdravstvene njege. Medicinski fakultet Sveučilišta u Zagrebu. Zagreb 1992. 3. Šepec S. i suradnici, Standardizirani postupci u zdravstvenoj njezi , HKMS, Zagreb, 2010. 4. Franković S, i sur. Zdravstvena njega odraslih – priručnik za studij sestринства. Zagreb:Medicinska naklada, 2010. 5. Morović-Vergles J, i sur. Interna medicina- odabrana poglavlja. Zagreb: Slap i Zdravstveno veleučilište, 2008. 6. Vrhovac, B. i sur. Interna medicina. Zagreb: Naklada Ljevak, 2008. (odabrana poglavlja) 7. Barišić N. Pedijatrijska nurologija. Zagreb. Medicinska naklada, 2009. 8. Kolaček S, Hojsak I, Niseteo T. Prehrana u općoj i kliničkoj pedijatriji. Zagreb: Medicinska naklada, 2016. 9. Tudor A, Šestan B. Dječja ortopedija. Zagreb: Medicinska naklada, 2012. 10. Malčić I, Jelušić M. Pedijatrijska reumatologija. Zagreb: Medicinska naklada, 2014. 			
	Additional literature	1. Burton M. at all. Fundamentals of Nursing Emperor: concepts, Connections & Skills ThirdEdition FA Davis Company, 2018		
Number of copies Compulsory literatureby number of students who attend case	Title	Number of copies	Number of students	
	1. Čukljek S. Osnove zdravstvene njege. Zagreb: Zdravstveno veleučilište.2005.	12	60	
	3. Šepec S. i suradnici, Standardizirani postupci u zdravstvenoj njezi, HKMS, Zagreb, 2010.			

	4. Franković S, i sur. Zdravstvena njega odraslih – priručnik za studij sestrinstva. Zagreb: Medicinska naklada, 2010.	12	60
	5. Morović-Vergles J, i sur. Interna medicina- odabrana poglavlja. Zagreb: Slap i Zdravstveno veleučilište, 2008.	12	60
	6. Vrhovac, B. i sur. Interna medicina. Zagreb: Naklada Ljevak, 2008. (odabrana poglavlja)	12	60
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	9. Tudor A, Šestan B. Dječja ortopedija. Zagreb: Medicinska naklada, 2012.	12	60
	10. Malčić I, Jelušić M. Pedijatrijska reumatologija. Zagreb: Medicinska naklada, 2014.	12	60
Tracking methods qualities which ensure acquisition of outgoing knowledge, skills and competence	<p>Control quality of work students and acquisitions necessary knowledge and skill insured will be through interactive work. By keeping records on the attendance and activities of students in classes and the information obtained about the students' progress through colloquiums will provide information necessary for further instructions to students in order to increase the efficiency of their work. Students will be sent in their own rights and obligations and work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data s HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the others.</p>		

GENERAL INFORMATION

Course title	ENGLISH LANGUAGE II	
Course holder	PhD Ivana Kardum Goles, college prof.	
Study program (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Optional	
Year	2.	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (LECTURES+EXERCISES+SEMINARS)	P-30

COURSE DESCRIPTION

Course objectives	To acquaint students with more advanced English language in profession/professional terminology.	
Terms of course entry and required competence	There are no conditions for enrolling in the course, but taking the course is possible only after successfully passing the subject English language I.	
Expected outcomes on the course level	<p>1 - translate content into Croatian language with aspects of more advanced familiarity with profession</p> <p>2 - analyze content with aspects of English language grammar</p> <p>3 - apply more advanced English for specific purposes in oral and written communication,</p> <p>4 - discuss on current topics in profession English language with little or not at all errors (more complex topics)</p>	
Course content	<p>1. Translations of content in relations to more advanced language for specific purposes (Outcome 1)</p> <p>2. Grammatical analysis of more advanced content/ language for specific purposes (Outcome 2)</p> <p>3. More advanced English for specific purposes in oral and written communication (Exod 3)</p> <p>4. Actual topics from areas of health care – discussion in English language (more complex contents) (Outcome 4)</p>	
Types performance classes	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input checked="" type="checkbox"/> other: work in group/linguistic workshop

Monitoring and evaluation of student work	Activities	Outcomes	Number hours	ECTS	Points min. – max.
	Attendance lectures	1 - 4	22	0.70	0
	Activities in continue/work in group/linguistic workshop	1 – 4	10	0.35	0 - 20
	Colloquium/oral	1 – 4	9	0.30	0 - 20
	In total	1 – 4	41	1.35	0 – 40 (50% grades)
	Closing exam/written	1 – 4	19	0.65	50%
	In total		60	2	100%
	Criteria Grade	Activity during classes/language workshop	Colloquium/oral		
Description	<p>Knowing previous content</p> <p>Preparation for thematic lessons units/</p> <p>Analysis of different And more complex content in English language/articles, news, news from nursing practices</p> <p>Active participation in linguistic workshops</p> <p>Complexity of communication within groups</p>	<p>Level of knowledge (translation, grammar, vocabulary, sentence formation)</p> <p>Mastery of professional terms and concepts</p>			
Points: min. – max.	0 - 20	0 - 20			
Minimal number points- Prague transience	10	10			

	Total Grade	Prague transience	Span points	Grade											
		20 points	35 - 40	5 (excellent)											
			30 - 34.99	4 (very good)											
			26 - 29.99	3 (good)											
			20 - 25.99	2 (satisfactory)											
<p>Conditions for forming the final grade</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Pass colloquia 4. Collect at least 50% points <p>Final exam -Grades criterion Final exam consists of: written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not passed the final exam. A student who correctly answered more than 50% of the questions passed the final exam:</p> <table border="1"> <thead> <tr> <th>% of correct answersClosing exam</th> <th>Numerical Grade</th> </tr> </thead> <tbody> <tr> <td>90 - 100 %</td> <td>5 (excellent)</td> </tr> <tr> <td>80 - 89.9 %</td> <td>4 (very good)</td> </tr> <tr> <td>65 - 79.9 %</td> <td>3 (good)</td> </tr> <tr> <td>50 - 64.9 %</td> <td>2 (satisfactory)</td> </tr> </tbody> </table>						% of correct answersClosing exam	Numerical Grade	90 - 100 %	5 (excellent)	80 - 89.9 %	4 (very good)	65 - 79.9 %	3 (good)	50 - 64.9 %	2 (satisfactory)
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Compulsory literature	<ol style="list-style-type: none"> 1. Rezić Q, Žurić Havelka S Introduction into Basic Medical Terminology for Health Professions. Zagreb: Medically polytechnic; in 2013 2. Miščin E. English – Croatian dictionary for medical sisters. Zagreb: School book: 2011 														
Additional literature/ Recommend edliterature	<ol style="list-style-type: none"> 1. Professional articles in English language 														
Number of copies Compulsory literatureby number of students who attend case	Title	Number copies	Number students												
	1. Režić P, Žurić Havelka S. Introduction to Basic Medical Terminology for Health Professions. Zagreb: Medically polytechnic; in 2013	12	60												
	2. Miščin E. English-Croatian dictionary for medical sisters. Zagreb: School book: 2011	12	60												

Methods of quality monitoring that ensure the acquisition of knowledge, skills and competencies

Control quality of work students and acquisitions necessary knowledge and skill insured will be through interactive work.

By guiding records on presence and activities students in continue you the information obtained about the students' progress through colloquiums will provide information necessary for further instructions to students in order to increase the efficiency of their work. Students will be sent in their own rights and obligations and work methods and necessary literature.

Indicators system insurance qualities: Student poll, internal Grade classes, thematic sessions of the council on the quality of teaching and results, monitoring of annual data s HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the rest.

GENERAL INFORMATION

Course title	INTEGRATIVE MODEL OF WORK ORGANIZATION IN NURSING PRACTISE	
Course holder	Vesna Bušac, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate nursing study	
Course status	Optional	
Year of study	2.	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-15 E-15

COURSE DESCRIPTION

Course objectives	The aim of the course is to acquaint students with the basic models of work organization in nursing practice, especially with the components of the integrative model of nurses' work organization and its application in nursing practice.
Terms of course entry and required competences	None.
Expected learning outcomes on the course level	1 - explain basic models of work organization in nursing 2 - explain components of integrative models of work organization in nursing 3 - apply the integrative model of work organization in nursing practice
Course content	1. Basic models of work organization in nursing practice (Outcome 1) 2. Components of integrative model of work organization in nursing (Outcome 2) 3. Practical application of integrative model of work organization in nursing practice (Outcome 3)

Types of teaching	lectures	independent tasks
	<input checked="" type="checkbox"/> seminars and workshops	<input type="checkbox"/> multimedia and networks
	exercises	<input type="checkbox"/> laboratory
	<input type="checkbox"/> practical work	<input type="checkbox"/> mentor work
	<input type="checkbox"/> distance learning	<input checked="" type="checkbox"/> continuous evaluation
	<input type="checkbox"/> field work	<input checked="" type="checkbox"/> consultative teaching
		<input type="checkbox"/> other
Comments		
Students' obligations	Regularly and conscientiously attendance of all forms of classes	

Monitoring and evaluating student work	Activities	Outcomes	Hours	ECTS	Points min. - max.
	Attendance	1 - 3	22	0.70	0
	Activity during classes	1 - 3	9	0.30	0 - 10
	Seminar/preparation and presentation	1 - 3	12	0.40	0 - 10
	Colloquium/oral	1 - 3	18	0.60	0 - 10
	Total	1 - 3	60	2	0 – 30 (100% grades)
	Final exam not taken				
	Total	1 - 3	60	2	100%
	Grade criteria	Activity during classes	Colloquium/oral exam		Exercises/playing role in the team Model - Integrative care -

	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content	Plan preparation: Assignment role Preparation of roles Role playing Grade
	Points: min. – max.		0 - 10	0 - 10	0 - 10
	Minimum number of points - pass threshold		5	5	5
	Total		0 - 3 0		
	Total grade	Pass threshold	Points range	Grade	

	15 points	26 - 30 23 - 25.99 19 - 22.99 15 - 18.99	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory)	
	Conditions for forming the final grade: 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquium 4. Get positive opinion for exercises in group 5. Collect at least 50% points			

	Final exam not taken			
	Final grade			
	Forming the Final grade: Based on the points achieved during classes. In the ECTS system, the grade is expressed in the following way:			
		% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade
		90 – 100 %	5 (excellent)	A
	80 – 89,9 %	4 (very good)	B	
	65 – 79.9 %	3 (good)	C	
	50 -64,9 %	2 (satisfactory)	D	
Compulsory literature	<ol style="list-style-type: none"> 1. McKenna H, Pajunkiha M, Murphy F. Fundamentals of Nursing Models, Theories and Practice (2nd Ed), Wiley-Blackwell, 2014. 2. Kalauz S. Sestrinska profesija u svjetlu bioetičkog pluriperspektivizma. Pergamena/HKMS, 2011. 			
Additional literature	Mary Yeah Kreitzer, Mary Koithan (ed). Integrative Nursing, Oxford University Press; 2014.			
Number of copies in the library	Title	Number of copies	Number of students	
	McKenna H, Pajunkiha M, Murphy F. Fundamentals of Nursing Models, Theories and Practice (2nd Ed), Wiley-Blackwell, 2014.	1 2	6 0	
	Kalauz S. Sestrinska profesija u svjetlu bioetičkog pluriperspektivizma. Pergamena/HKMS, 2011.	1 2	6 0	
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>			

GENERAL INFORMATION

Course title	HEALTHY LIFESTYLES AND HEALTHY AGING	
Course holder	PhD. Ivan Vukoja, lecturer PhD. Jakov Ivković, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Optional	
Year of study	2.	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-15 S-15

COURSE DESCRIPTION

Course objectives	To acquaint students with the influence of healthy lifestyles on the prevention of the development of chronic non-communicable diseases, as well as on the preservation of mental health. To introduce students to the concept of active and healthy aging.
Terms of course entry and required competences	None.
Expected learning outcomes on the course level	1 – identify risk factors for development of chronic non-infectious diseases 2 – explain influence of healthy lifestyles on prevention of development of chronic non-communicable diseases 3 - analyse processes bound with physiology aging 4 – explain the need for interdisciplinary approaches in care for older persons
Course content	1. Epidemiology and pathophysiology of chronic non-communicable diseases and risk factors for their development (Outcome 1) 2. National preventive programs (Outcome 1) 3. Influence of lifestyles (body activity, diet, smoking and consumption of alcohol) on the prevention/development of chronic non-communicable diseases (Outcome 2) 4. Changes in organ functions as repercussions of physiological aging (Outcome 3) Models of care for older persons (Outcome 4)

Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work	<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other
Comments		
Students' obligations	Regularly and conscientiously attendance in all forms of classes	

Monitoring and	Activities	Outcomes	Hours	ECTS	Points min. – max.
	Attendance	1 - 4	2 2	0.7 0	0
	Activity during classes	1 - 4	2 0	0.7 0	0 - 20
	Seminar/preparation and presentation	1 - 4	1 8	0.6 0	0 - 10
	Total	1 - 4	6 0	2	0 – 30 (100% grades)
	Final exam not taken				
	Total		6 0	2	100% grades
	Grade criteria	Activity during classes			Seminar/preparation and presentation

evaluating student work	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together		Organization/structure of work Vocabulary and grammar Expertise and professional terminology Writing style Citation and citing of references Presentation/multimedia	
	Points: min. – max.		0-20		0-10	
	Minimum number of points - pass threshold		10	5		
	Total		0-30			
	Total grade	Pass threshold	Points range	Grade		
15 points	26 - 30	5 (excellent)				
	23 - 25.99	4 (very good)				
	19 - 22.99	3 (good)				
	15 - 18.99	2 (satisfactory)				
Conditions for forming the final grade: <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquium 4. Collect at least 50% points 						

	Final exam not taken																			
	<p>Final grade</p> <p>Forming the Final grade: Based on the points achieved during classes. In the ECTS system, the grade is expressed in the following way:</p> <table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical grade</th> <th>ECTS - grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89,9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64,9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>			% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade	90 – 100 %	5 (excellent)	A	80 – 89,9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64,9 %	2 (satisfactory)	D		
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65 – 79.9 %	3 (good)	C																		
50 -64,9 %	2 (satisfactory)	D																		
Compulsory literature	<ol style="list-style-type: none"> World Economic Forum, Harvard School of Audience Health. The Global Economic Burden of Non-communicable Diseases, 2011. – available at: https://www3.weforum.org/docs/WEF_Harvard_HE_GlobalEconomicBurdenNonCommunicableDiseases_2011.pdf. Galić S, Tomasović Mrčela N, Priručnik iz gerontologije, gerijatrije i psihologije starijih osoba - psihologije starenja. Osijek: Medicinska škola Osijek; 2013 – dostupno na: http://www.ss-medicinska-os.skole.hr/upload/ss-medicinska-os/images/static3/1236/File/prirucnik.pdf 																			
Additional literature	2018 Physical Activity Guidelines Advisory Committee Scientific Report. Washington, DC: LOUSE Department of Health and Human Services, 2018 - available at: https://health.gov/sites/default/files/2019-09/PAG_Advisory_Committee_Report.pdf																			
Number of copies in the library	Title	Number of copies	Number of students																	
	World Economic Forum, Harvard School of Public Health. The Global Economic Burden of Non-communicable Diseases, 2011. – available at: https://www3.weforum.org/docs/WEF_Harvard_HE_GlobalEconomicBurdenNonCommunicableDiseases_2011.pdf	Available edition	60																	
	Galić S, Tomasović Mrčela N, Priručnik iz gerontologije, gerijatrije i psihologije starijih osoba - psihologije starenja. Osijek: Medicinska škola Osijek; 2013 –dostupno na: http://www.ss-medicinska-os.skole.hr/upload/ss-medicinska-os/images/static3/1236/File/prirucnik.pdf	available edition	60																	

Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences

Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.

Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.

GENERAL INFORMATION

Course title	PREVENTION OF HEALTHCARE ASSOCIATED INFECTIONS	
Course holder	Jasminka Brkičić, MD, lecturer	
Study programme (Undergraduate, graduate)	Professional undergraduate nursing study	
Course status	Optional	
Year of study	2.	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-15, S- 15

COURSE DESCRIPTION

Course objectives	To acquaint students with measures of prevention and suppression of the spread of hospital infections that can significantly affect treatment outcomes.
Terms of course entry and required competences	None.
Expected learning outcomes on the course level	1 - explain what hospital infections are and how they can affect the outcomes of treatment 2 - describe the conditions that can trigger the development of hospital infections 3 - describe measures for prevention and suppression of expansion of hospital infection
Course content	<ol style="list-style-type: none">1. Hospital infections and their influence on outcomes of treatment (Outcome 1)2. Conditions that can affect the occurrence of hospital infections; physical conditions, organization of work, number and category of patients, number and qualification of staff structure, education of medical and non-medical staff (Outcome 2)3. Measures to prevent and control hospital infections: control of the movement of hospital infections/quality indicators, disinfection procedures, sterilization procedures and control sterilization, washing hands, using sterile material and instruments (Outcome 3)

Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field teaching			<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other	
	Comments				
Students' obligations	Regularly and conscientiously attend all forms of classes				
Monitoring and evaluating student work				ECTS	points
	Activities	Outcomes	Hours		min. – max.
	Attendance	1 - 3	22	0.70	0
	Activity during classes	1 - 3	9	0.30	0 - 10
	Seminar/preparation and presentation	1 - 3	10	0.35	0 - 20
	Total	1 - 3	41	1.35	0-30 (50% grades)
	Final exam/written		19	0.65	50%
	Total		60	2	100%
	Evaluation criteria	Activity during classes	Seminar/preparation and presentation		
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks together	Organization/structure of work Vocabulary and grammar Expertise and professional terminology Writing style Citation and citing of references Presentation/multimedia		

	Points: min. - max.	0 - 10	0 - 20													
	Minimal number of points – pass threshold	5	10													
	In total points	0 - 30														
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			23 - 25.99	4 (very good)												
			19 - 22.99	3 (good)												
			15 - 18.99	2 (satisfactory)												
Conditions for forming the final grade:																
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Positively evaluated seminar 4. Collect at least 50% points 																
Final grade - criterion evaluations																
Final exam consists of from: written exam.																
If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:																
<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> </tr> <tr> <td>50 - 64.9 %</td> <td>2 (satisfactory)</td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>					% of acquired knowledge, skills and competencies	Numerical grade	90 – 100 %	5 (excellent)	80 – 89.9 %	4 (very good)	65 – 79.9 %	3 (good)	50 - 64.9 %	2 (satisfactory)		
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	<p>Final grade</p> <p>Forming the final grade: Based on the points achieved during classes. In the ECTS system, the grade is expressed in the following way:</p> <table border="1"> <thead> <tr> <th>% adopted knowledge, skills and competences</th> <th>Numerical grade</th> <th>ECTS - grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64.9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>			% adopted knowledge, skills and competences	Numerical grade	ECTS - grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D			
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Compulsory literature	1. Pravilnik o uvjetima i načinu obavljanja mjera za sprečavanje i suzbijanje bolničkih infekcija. Narodne novine, br. 85/2012																				
	2. Kalauz S, I sur. Zdravstvena njega kirurških bolesnika, Zagreb: Zdravstveno veleučilište 2021 – Poglavlja: Asepsa, Bolničke infekcije																				
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	1. Pravilnik o uvjetima i načinu obavljanja mjera za sprečavanje i suzbijanje bolničkih infekcija. Narodne novine, br. 85/2012	12	60																		
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	3. Damani N. N., Priručnik o prevenciji i kontroli infekcija, Prijevod 3. izdanja. Zagreb: Medicinska naklada; 2015.	12	60																		
Methods of quality monitoring that ensure the acquisition of	Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others																				

Course title	ANAESTHESIOLOGY, REANIMATOLOGY AND INTENSIVE CARE	
Course lecturer	Danči Mihovilčević, MD, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Obligatory	
Year of study	3.	
Points value and the method of teaching	ECTS credits	3
	Number of hours (L+E+S)	L-15, E-50

COURSE DESCRIPTION	
Course objectives	To familiarize students with the basics of anaesthesiology, resuscitation and intensive care and the methods of recognition and treatment of life-threatening and intensive care patients. The aim is to enable students to learn in a modern way: to recognise the development of a life-threatening condition, to deal with the cause of death (e.g. to administer resuscitation, to perform resuscitation measures in the event of cardiac arrest and respiratory arrest), to prevent unwanted complications (shock production, development of infection).
Terms of course entry and required competencies	There are none
Expected learning outcomes on the course	<p>1 - describe the development of anaesthesiology, resuscitation and intensive care</p> <p>2 - describe types of anaesthesia, anaesthetic procedures, patient preparation for anaesthesia and complications of anaesthesia</p> <p>3 - list the symptoms of a life-threatening patient, including those related to the loss of vital functions</p> <p>4 - demonstrate appropriate procedures for life-threatened patients, including those with life-limiting functions</p> <p>5 - to explain the functioning of the intensive care unit, equipment and treatment procedures for different diagnoses</p> <p>6 - to describe unwanted complications in patients in the intensive care unit (production of shock, development of infection...) and ways of their prevention</p> <p>7 - to explain the types and mechanisms of pain and the procedures for pain management</p>

Course content	<ol style="list-style-type: none"> 1. Anesthesiology (Outcome 1) 2. Types of anaesthesia and anaesthetics, anaesthetic examination and preparation of patients for anaesthesia and surgical induction, ASA - classification of patients, induction in anaesthesia, haemodynamic monitoring in anaesthesia and complications of optical and regional anaesthesia, post-anaesthetic care (Outcome 2) 3. Signs and symptoms of cardiac arrest, acute respiratory insufficiency and other emergency conditions. EWS scoring system (early recognition of life-threatening conditions) of patients in hospital settings) (Outcome 3)
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	<ol style="list-style-type: none"> 4. Cardiopulmonary resuscitation, basic life support (BLS) and automatic emergency defibrillation (AED), basic and advanced life support measures (breathing, recognition of cardiac arrest rhythms, defibrillation, polytraumatised patient care, neurotrauma procedures (mini neurological examination, AVPU scale) (Outcome 4) 5. Intensive care, mechanical ventilation, cardiac decompression, cardiogenic shock, AIM, cardiac arrest, cardiogenic shock, cardiac infarction, provocation seizures, shock, sepsis and higher organ failure syndrome (Outcome 5) 6. 6. Complications (general and specific) in patients in intensive care units (Outcome 6) 7. Pain and pain therapy (Outcome 7)
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Types of teaching	<input checked="" type="checkbox"/> Lectures <input type="checkbox"/> Seminars and radio seminars <input checked="" type="checkbox"/> embeds <input checked="" type="checkbox"/> Practical Work <input type="checkbox"/> distance education <input type="checkbox"/> Fieldwork	<input checked="" type="checkbox"/> self-initiated assignments <input checked="" type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring advice <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative setting <input type="checkbox"/> other
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Comments	-
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Students' obligations	Regularly and conscientiously attend all forms of classes
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Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
	Attendance classes	1 - 7	48	1,60	0
	Activities during classes	1 - 7	9	0,30	0 - 20
	Colloquium 1/oral	1 - 7	6	0,20	0 - 20
	Colloquium 2/writing	1 - 7	6	0,20	0 - 20
	Subtotal	1 - 7	69	2,3	0 - 60 (50% of grade)
	Final written exam	1 - 7	21	0,70	50 % of grade

Total	1 - 7	90	3	100 % of grade
Evaluation criteria	Activities in class	Colloquium/oral		Colloquium 2/writing
Description	Preparation for setting units	Knowledge development (ability to analyse, synthesise and evaluate)		The knowledge test offers 4 answers, only 1 of which is scored. The test consists of 20

	Understanding the previous ones content Participation in the solving of tasks JIL intervention/assistance	Structuring and accuracy of the answer Logical linking of rank Mastery of structural terms and concepts Correlation with related markets	questions, but each answer is scored 1 point. The range of points and the correlation with the assessment is determined by the course leader
Points: min. - max.	0 - 20	0 - 20	0 - 20
Minimum number of points - pass threshold	10	10	10
Total points	0 - 60		
Final grade	Passing threshold	Range of Points	Estimated
	30 points	54 - 60	5 (excellent)
		48 - 53,99	4 (very good)
		42 - 47,99	3 (good)
		30 - 41,99	2 (good enough)

CLINICAL EXERCISES

A student cannot attend a practice class if he/she has not passed the written colloquium Exercises/activities and interventions provided in the Booklet for monitoring and evaluating clinical exercises and clinical practice are not evaluated.

Success in performing exercises is described as:

- The exercise has been adopted
- The exercise has not been adopted

In order for the student to take the final exam, he/she must complete 100% of the planned exercises/interventions and activities..

Conditions for accession to the final exam

1. Regular class attendance
2. Active participation in class
3. Passing the mid-term tests (colloquia)
4. To learn clinical skills
4. Attain at least 50% of the points

Final exam - criterion evaluations

Final exam are consists of: written exam.

If the student has answered less than 50% of the questions accurately, he/she will be deemed to have failed the final examination. A student who has answered exactly more than 50% of the questions will be given a final examination and will be judged in the following way:

Percentage of Correct Answers	Student's grade
90 - 100 %	5 (excellent)
80 - 89,9 %	4 (very good)
65 - 79.9 %	3 (good)
50 - 64,9 %	2 (sufficient)

Final assessment

The final grade according to the Study Regulations is based on the knowledge, skills and competences acquired by the student during the course of the final examination and on the results of the final examination. (set 50% + final examination 50%)

Percentage of Acquired Competencies	Numerical Grade	ECTS - rated
90 - 100 %	5 (excellent)	A

	80 - 89,9 %	4 (very good)	B
	65 - 79.9 %	3 (good)	C
	50 - 64,9 %	2 (sufficient)	D
Obligatory literature	<p>5. Jukić M, Husedžinović I, Majerić Kogler V, et al. Clinical anaesthesiology. Second edition. Zagreb: Medicinska naklada; 2012.</p> <p>6. Jukić M, Carev M, Karanović N, Lojpur M. Anesthziologija i intenzivna mdicina za studente medicini,dentalne medicini i zdravje studije. Split: Sveučilište u Splitu; 2017.</p>		
	<p>7. ILS (Immediate Life Support) manual of the Croatian Society of Resuscitation and Critical Care (CroRC/ERC)</p> <p>8. ASL manual (Advance Life Support) manual of the Croatian Society of Resuscitation (CroRC/ERC).</p>		
Supplementary literature	<p>1. Gvoždak, M. Tomljanović B., Fundamental hitni medicinski postupci, HKMS. Zagreb: Hrvatski zavod za hitnu medicinu;, 2011.</p>		
Number of copies in the library	Address	Number of Copies	Number of Students
	1. Jukić M, Husedžinović I, Majerić Kogler V, i sur. Klinička anesteziologija. Second edition.Zagreb: Medical Publishing House; 2012.	12	60
	2. Jukić M, Carev M, Karanović N, Lojpur M.Anesthziologija i intenzivna mdicina za studente medicini,dentalne medicini i zdravje studije. Split: Sveučilište u Splitu; 2017. - digital edition	12	60
	3. ILS (Immediate Life Support) manual of the Croatian Society of Resuscitation and Critical Care (CroRC/ERC)	12	60
	4. ASL (Advance Life Support) manual of the Croatian Society of Reanimatology (CroRC/ERC)	12	60
Quality improvement methods that ensure the development of educational skills, knowledge and competences	<p>Quality control of the students' work and the acquisition of the necessary knowledge and skills will be assured through an interactive process. By keeping records on the performance and activity of students in the setting and by obtaining information on the progress of students during the colloquium, the information necessary for further training of students in order to increase the quality of their work will be obtained. Students will be taught about their rights and obligations, methods of advice and the necessary literature.</p> <p>Indicators of quality assurance performance: Student survey, internal evaluation of the performance, thematic meetings on the quality of the performance and results, collection of data from HZZZ on the employment situation of students, surveys of employers and alumni associations and others.</p>		

GENERAL INFORMATION		
Course title	SURGERY, TRAUMATOLOGY AND ORTHOPAEDICS	
Course lecturer	Joško Aleksić, MD, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Obligatory	
Year of study	3.	
Points value and the method of teaching	ECTS credits	2
	Number hours (Lectures)	L-30

COURSE DESCRIPTION	
Course objectives	To familiarize students with the basics of orthopaedic surgery, orthopaedics and traumatology (pain, symptoms, clinical picture, diagnostic and therapeutic procedures, preoperative harvesting and preparation for the operative procedure, postoperative problems and complications and their treatment).
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - to clarify the symptomatology, pathology and pathophysiology of the most common surgical and orthopaedic pains and organ systems (abdominal, vascular, thoracic, cardiac, plastic and reconstructive surgery, traumatology, neurosurgery, urology and orthopaedics)</p> <p>2 - to clarify the diagnosis, clinical picture, surgical approaches (types of surgery) to the most common surgical and orthopaedic pain and organ damage</p> <p>3 - describe the application of surgical procedures for the treatment of acute surgical pain and injuries (e.g. scale and algorithms)</p> <p>4 - describe the physical and psychological preparation of surgical and orthopaedic patients</p> <p>5 - describe possible post-operative problems and complications and ways to prevent them</p> <p>6 - explain the basics of oncological surgery</p>
Course content	<p>1. The most common surgical and orthopaedic pains - symptomatology, pathology and pathophysiology of the most common surgical and orthopaedic pains and their organ systems (abdominal, vascular, thoracic, cardiac, reconstructive and plastic surgery, traumatology, neurosurgery, urology and orthopaedics) (Outcome 1)</p> <p>1. Diagnostics, surgical approaches and basic surgical techniques in the fields of abdominal, vascular, thoracic, cardiac, plastic-reconstructive surgery, traumatology, neurosurgery, urology and orthopaedics (Outcome 2)</p> <p>2. Preoperative management of emergency surgical diseases and injuries (application of scales and algorithms) (Outcome 3)</p>

	<p>4. Physical and psychological care of surgical and orthopaedic patients (Outcome 4)</p> <p>4. Surgical problems and complications and their prevention (Outcome 5)</p> <p>5. Fundamentals of Oncological Surgery (Outcome 6)</p>				
Types of teaching	<input checked="" type="checkbox"/> Lectures <input type="checkbox"/> Seminars and radio seminars <input type="checkbox"/> embeds <input type="checkbox"/> Practical Work <input type="checkbox"/> distance education <input type="checkbox"/> Fieldwork		<input checked="" type="checkbox"/> self-initiated assignments <input type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring advice <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative setting <input type="checkbox"/> other		
Comments	-				
Students' obligations	Regularly and conscientiously attend all forms of classes				
Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. - max.
	Attendance classes	1 - 6	22	0,74	0
	Activities during classes	1 - 6	7	0,23	0 -10
	Colloquium/writing	1 - 3	6	0,20	0 -20
	Colloquium/writing	4 - 6	6	0,20	0 -20
	In total	1 - 6	41	1,37	0 - 50 (50 % grade)
	Closing exam/written	1 - 6	19	0,63	50 % grade
	In total	1 - 6	60	2	100 % grade
	Evaluation criteria	Activities in class	Colloquium I/literates		Colloquium II/literates
	Description	Preparation for setting units Understanding of prior content Participation in the solving of problems	Knowledge test with 4 answers of which only 1 is scored. The test consists of 20 questions, and each answer is scored 1 point. The range of points and the correlation with the score is determined by the course leader.		The knowledge test offers 4 answers, only 1 of which is scored. The test consists of 20 questions, and each answer is valued at 1 point. The range of points and the correlation to the assessment is determined by the moderator

				The course leader										
Points: min. - max.	0 - 10		0 - 20	0 - 20										
Minimum number of points - passability threshold	5		10	10										
Total points	0 - 50													
Overall rating	Threshold of passage	Score range	Evaluation											
		45 - 50	5 (excellent)											
		38 - 44,9	4 (very good)											
		32 - 37,9	3 (good)											
		25 - 31,9	2 (satisfactory)											
25 points														
Conditions for accession to the final exam														
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Pass colloquia 4. Collect at least 50% points 														
Final exam - criterion evaluations														
Final exam consists of : written exam.														
If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:														
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Final evaluation														

	<p>Forming the final grade: Based on the points achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%). In the ECTS system, the grade is expressed in the following way: (classes 50% + final exam 50%)</p> <table border="1"> <thead> <tr> <th>Percentage of Acquired Competencies</th> <th>Numerical Grade</th> <th>ECTS - rated</th> </tr> </thead> <tbody> <tr> <td>90 - 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 - 89,9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 - 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 - 64,9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>			Percentage of Acquired Competencies	Numerical Grade	ECTS - rated	90 - 100 %	5 (excellent)	A	80 - 89,9 %	4 (very good)	B	65 - 79.9 %	3 (good)	C	50 - 64,9 %	2 (satisfactory)	D
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Obligatory literature	1. Vrdoljak V, Rotim K, Biočina B. Surgery. Zagreb: Zdravstveno veleučilište; 2017.																	
Supplementary literature	1. Kvesić A, i sur. Surgery. Zagreb: Medicinska naklada; 2016.																	
Number of copies in the library	Title	Number of Copies	Number of Students															
	1. Vrdoljak V, Rotim K, Biočina B. Surgery. Zagreb: Zdravstveno veleučilište; 2017.	12	60															
Quality assessment methods that ensure the acquisition of the required knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through an interactive process. By keeping records on the performance and activity of students in the setting and by obtaining information on the progress of students during the colloquium, the information necessary for further training of students in order to increase the quality of their work will be obtained. Students will be taught about their rights and obligations, methods of advice and the necessary literature.</p> <p>Indicators of quality assurance performance: Student survey, internal evaluation of the performance, thematic meetings on the quality of the performance and results, collection of data from the HZZZ on the employment status of students, surveys of employers and alumni associations and others.</p>																	

GENERAL INFORMATION		
Course title	OFTALMOLOGY	
Course lecturer	Ivana Kalauz, MD, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Obligatory	
Year of study	3.	
Points value and the method of teaching	ECTS credits	1
	Number hours (Lectures)	L-10

COURSE DESCRIPTION		
Course objectives	To familiarize students with the basic principles of ophthalmology, the most common eye diseases, methods of diagnosis and treatment of ophthalmic diseases and the importance of medical care for ophthalmic patients.	
Terms of course entry and required competencies	None	
Expected learning outcomes on the course level	<p>O 1 - describe the most significant eye problems that medical technicians have to deal with in assessing the health status of patients</p> <p>O 2 - list the ways of diagnosing eye pain and the basic principles of treatment</p> <p>O 3 - clarify the procedures and importance of medical care of patients with ophthalmological pain, including prevention of falls</p>	
Course content	<ol style="list-style-type: none"> 1. Pain of the orbit and eye adnexa, pain of the eye, pain of the eye conjunctiva, pain of the eye cornea and eye socket, pain of the middle eye socket, pain of the eye lens, pain of the retina, pain of the optic nerve, glaucoma, refractive anomalies of the eye, strabology, eye diseases (Outcome 1) 2. 2. Diagnosis of ophthalmological diseases and treatment methods (application of mydriatics, antibiotics and steroids - locally, drops, ointments, subconjunctival injections, surgical procedures and possible complications) 3. Specific procedures in the treatment of ophthalmic patients, including prevention of falls (Outcome 3) 	
Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other

Comments	-													
Students' obligations	Regularly and conscientiously attend all forms of classes													
Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.									
	Attendance classes	1 - 3	11	0,30	0									
	Activities during classes	1 - 3	9,5	0,25	0 Formative evaluation									
	In total	1 - 3	20,5	0,55	Formative evaluation									
	Oral/written exam	1 - 3	9,5	0,45	100% grade									
	Total	1 - 3	30	1	100% grade									
	Evaluation criteria	Student engagement, preparation for teaching units, knowledge of previous content, and linking facts monitored before the start of each block of classes, but without grading. The grade was formed based on the success of the final exam.												
	Conditions for accession to the final exam													
	1. Regularly attend classes													
	Final exam - criterion evaluations													
Final exam consists of: written exam.														
If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:														
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Forming the final grade: Based on the points achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%). In the ECTS system, the grade is expressed in the following way: (classes 50% + final exam 50%).														

	Percentage of Acquired Competencies	Brother's assessment	ECTS - rated	
	90 - 100 %	5 (excellent)	A	
	80 - 89,9 %	4 (very good)	B	
	65 - 79.9 %	3 (good)	C	
	50 - 64,9 %	2 (sufficient)	D	
Obligatory literature	1. Cerovski B, i sur. Ophthalmology-textbook for medical students. Zagreb: Sveučilište u Zagrebu; 2012.			
Supplementary literature	2. Ivanišević M. i sur. Eye pain-a textbook of ophthalmology for nurses. Split: Medical Faculty of Sveučilista in Split; 2011.			
Number of copies in the library	Titles	Number of Copies	Number of Students	
	1. Cerovski B, i sur. Ophthalmologija-ujbenik za studente medicii. Zagreb: Sveučilište u Zagreb; 2012.	12	60	
Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control quality of work students and acquisitions necessary knowledge and skill insured will are through interactive work By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the rest.</p>			

GENERAL INFORMATION		
Course title	OTORHINOLARYNGOLOGY	
Course lecturer	PHD Ljerka Čulav, MD, Lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Obligatory	
Year of study	3.	
Points value and the method of teaching	ECTS credits	1
	Number hours (Lectures)	L-10

COURSE DESCRIPTION	
Course objectives	To enable the student to acquire basic knowledge of the most common pains of the ear, throat, nose in terms of the recognition of clinical symptoms and treatment of the patient and the patients affected. Students will also learn about life-threatening emergency conditions in otorhinolaryngology and how to manage them.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - describe the anatomy and physiological processes in the ear, throat and nose, otorhinolaryngological pain, its symptoms and signs, methods of diagnosis and treatment (to explain and understand the basic principles of otorhinolaryngological therapy)</p> <p>2 - describe the symptoms and signs of emergency conditions in otorhinolaryngology and the basic methods of assistance</p> <p>3 - describe the status of epistaxis and REKAS, nasal septal deformity: diagnostic workup, basics of treatment</p>
Course content	<ol style="list-style-type: none"> 1. Otology - basics of the anatomy of the ear. Otologic diseases of the middle, external and internal ear, complications of acute and chronic otologic diseases of the middle ear. Basics of the diagnosis of acoustic trauma and hearing loss. Types of hearing loss and their causes (Outcome 1) 2. Rhinology - basics of nasal and sinus anatomy. Inflammatory pain of the nose and paranasal scrotum, allergological aspects of pain of the nose and paranasal scrotum, complications of paranasal scrotum inflammation. Basic diagnostic methods of nasal and paranasal scarring (Outcome 1) 3. Pharyngology and laryngology - basics of the anatomy of the larynx and pharynx. The nasal septum, gill and pharynx. Basic diagnostic methods of the trauma of the gill and pharynx. Tumours of the larynx and pharynx, basics of treatment, its oncological morbidities (Outcome 1) 4. Pain in the neck - diagnostic workup and treatment (Outcome 1) 5. Inflammation of the deep spaces of the neck (Outcome 1) 6. ENT emergency - detection of proximity of the throat, coniotomy, tracheotomy, tracheotomized patient, side of the body and haemorrhage in the upper throat, first aid and treatment (Outcome 2) 7. Epistaxis and REKAS, nasal septal deformities, diagnostic workup, basic treatment and management (Outcome 3)

	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other								
Comments	-									
Students` obligations	Regularly and conscientiously attend all forms of classes									
Monitoring and evaluation of students' work		Activities	Outcomes	Number of hours	ECTS	Points min. – max.				
		Attendance of classes	1 - 3	11	0,30	0				
		Activities during classes	1 - 3	9,5	0,25	0 Formative evaluation				
		Total	1 - 3	20,5	0,55	Formative evaluation				
		Final exam/written	1 - 3	9,5	0,45	100 % grade				
		In total	1 - 3	30	1	100 % grade				
		Evaluation Criteria	Student engagement, preparation for teaching units, knowledge of previous content, and linking facts were monitored before the start of each block of classes, but without grading. The grade was formed based on the success of the final exam.							
		Requirements for taking the final exam								
		1. Attend classes regularly								
		Final exam - criterion evaluations Final exam consists of: written exam.								
	If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:									
			<table border="1"> <thead> <tr> <th>Percentage of Correct Answers</th> <th>Student's grade</th> </tr> </thead> <tbody> <tr> <td>90 - 100 %</td> <td>5 (excellent)</td> </tr> </tbody> </table>		Percentage of Correct Answers	Student's grade	90 - 100 %	5 (excellent)		
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	80 - 89,9 %	4 (very good)	
	65 - 79,9 %	3 (good)	
	50 - 64,9 %	2 (Sufficient)	
	Final evaluation		
	Forming the final grade: Based on the points achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%). In the ECTS system, the grade is expressed in the following way: (classes 50% + final exam 50%)		
	Percentage of Acquired Competencies	Numerical Grade	ECTS - rated
	90 - 100 %	5 (excellent)	A
	80 - 89,9 %	4 (very good)	B
	65 - 79,9 %	3 (good)	C
	50 - 64,9 %	2 (sufficient)	D
Obligatory literature	<ol style="list-style-type: none"> 1. Mladina R, i sur. Otorinolaringologija. Zagreb: Zdravstveno veleučilište, 2008. 2. Skitarelić N, Starčević R. Traheotomija i njega traheotomiranih bolesnika. Zadar:Sveučilište u Zadru, 2013. 		
Supplementary literature	1. Shin JJ, Hartnick CJ, Randolph GW. Evidence-Based Otolaryngology. New York: Springer, New York; 2008.		
Number of copies in the library	Titles	Number primieraka	Number of Students
	1. Mladina R, i sur. Otorhinolaryngology. Zagreb: Zdravstveno veleučilište; 2008.	12	60
	2. Skitarelić N, Starčević R. Tracheotomy and tracheotomized patients. Zadar: Sveučilište u Zadru; 2013.	12	60
Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control quality of work students and acquisitions necessary knowledge and skill insured will are through interactive work. By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the rest.</p>		

GENERAL INFORMATION

Course title	PSYCHIATRY AND MENTAL HEALTH	
Course lecturer	Ante Bilić, MD, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Obligatory	
Year of study	3.	
Points value and the method of teaching	ECTS credits	2
	Number hours (Lectures)	L-30

COURSE DESCRIPTION

Course objectives	To familiarize students with the basics of psychopathology and with psychiatric disorders and pain according to the main diagnostic groups.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - state the basics of the modern organization of the psychiatric service</p> <p>2 - to clarify the psychopathology, psychiatric disorders and pain and possible predictors of psychiatric disorders</p> <p>3 - to clarify specific procedures and approaches in the treatment of patients with psychiatric disorders and diseases</p> <p>4 - list the basic drugs/psychopharmaceuticals and their sequelae</p> <p>5 - clarify the socio-legal status of mental patients and their rights</p>
Course content	<ol style="list-style-type: none"> Contemporary organization of psychiatric services (Outcome 1) Introduction to psychiatry, basics of psychopathology, mental disorders of the organic subunit, mental and bibehavioral disorders as a consequence of the use of psychoactive substances, disorders of conscience; disorders of communication; cognitive disorders; observational disorders; psychomotor disorders; thinking disorders; disorders of mood and affect; disorders of will; disorders of mental and intellectual abilities; instinct; Memory and memory disorders, schizophrenia, schizotypal and other disorders, affective disorders and mood disorders, personality disorders, neurotics disorders as a result of exposure to stress, mental retardation, psychological developmental disorders, bibehavioral and emotional disorders of childhood and adolescence, psychiatric emergencies (Outcome 2) Specific procedures and approaches in the treatment of patients with psychiatric illnesses (Outcome 3) Psychopharmacotherapy (Outcome 4) Socio-legal status of mental patients and their rights (Outcome 5)

Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field teaching		<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other				
	Comments	-					
Students' obligations	Regularly and conscientiously attend all forms of classes						
Monitoring and evaluation of students' work		Activities	Outcomes	Number of hours	ECTS	Points min. – max.	
		Attendance classes	1 - 5	22	0,74	0	
		Activities during classes	1 - 5	7	0,23	0 -10	
		Colloquium/writing	1 - 3	6	0,20	0 -20	
		Colloquium/writing	4 - 5	6	0,20	0 -20	
		Subtotal	1 - 5	19	0,63	0 - 50 (50 % of grade)	
		Final exam/written	1 - 5	19	0,63	50 % of grade	
		Total	1 - 5	60	2	100 % of grade	
		Evaluation criteria	Activities in class	Colloquium I/literates		Colloquium II/literates	
		Description	Preparation for teaching units Understanding of prior content Participation in the solving of problems	Knowledge test with 4 answers of which only 1 is scored. The test consists of 20 questions, and each answer is scored 1 point. The range of points and the correlation with the score is determined by the course leader.		The knowledge test offers 4 answers, only 1 of which is scored. The test consists of 20 questions, and each answer is valued at 1 point. The range of points and the correlation to the assessment is determined by the course leader.	
		Points: min. - max.	0 - 10	0 - 20		0 - 20	

	Minimum number of points - pass threshold	5	10	10	
	Total points	0 - 50			
	Overall rating	Threshold of passage	Score range	Evaluation	
		25 points	45 - 50	5 (excellent)	
			38 - 44,9	4 (very good)	
32 - 37,9			3 (good)		
25 - 31,9	2 (sufficient)				
Conditions for accession to the final exam					
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Pass colloquia 4. Collect at least 50% points 					
Final exam - criterion evaluations					
Final exam consists of: written exam.					
If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:					
		Percentage of Correct Answers	Student's grade		
		90 - 100 %	5 (excellent)		
		80 - 89,9 %	4 (very good)		
		65 - 79.9 %	3 (good)		
		50 - 64,9 %	2 (sufficient)		
Final evaluation					
Forming the final grade: Based on the points achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%). In the ECTS system, the grade is expressed in the following way: (classes 50% + final exam 50%).					

	Percentage of Acquired Competencies	Numerical Grade	ECTS - rated
	90 - 100 %	5 (excellent)	A
	80 - 89,9 %	4 (very good)	B
	65 - 79.9 %	3 (good)	C
	50 - 64,9 %	2 (Sufficient)	D
Obligatory literature	1. Begić D. Psychiatry. Zagreb: Medicinska naklada; 2022.		
	1. Begić D, Jukić V, Medved V. Psychiatry. Zagreb: Medicinska naklada; 2015.		
Supplementary literature	1. Štrkalj-Ivezić S. Psihoza, shizofrenija, shizoafektivni poremećaj, bipolarni poremećaj. Zagreb: Medicinska naklada; 2011.		
Number of copies in the library	Title	Number of copies	Number of Students
	1. Begić D. Psychiatry. Zagreb: Medicinska naklada; 2022.	12	60
Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control quality of students work and acquisitions of necessary knowledge and skill will be insured through interactive work. By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the rest.</p>		

GENERAL INFORMATION

Course title	NURSING CARE OF PSYCHIATRIC PATIENTS I	
Course lecturer	Snježana Jušić, MSN, lecturer.	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Obligatory	
Year of study	3.	
Points value and the method of teaching	ECTS credits	3
	Number of hours (L+E+S)	L-15, E-75, S-5

COURSE DESCRIPTION

Course objectives	To familiarize the student with mental health, the most common pains and problems in psychiatry, aspects of mental health promotion and types of help for persons and their parents in coping with mental health problems. Students will also be able to apply the process of health care to psychiatric patients.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - to clarify the concept of mental health, methods of mental health promotion and the impact of biological, psychological, social and spiritual factors on the development of mental disorders</p> <p>2 - to list the basic signs and symptoms of the most common psychiatric pains and treatments of this type to help patients and members of their families</p> <p>3 - to explain basic techniques of talking, group therapy and specific interventions in crisis situations</p> <p>4 - to provide planned medical care for psychiatric patients</p>
Course content	<ol style="list-style-type: none"> 1. Definition of mental health, methods of mental health promotion and the impact of biological, psychological, social and spiritual factors on the development of mental disorders (Outcome 1) 2. Basic signs and symptoms of the most common psychiatric pains and mental disorders of this type in patients and members of their families (Outcome 2) 3. Therapeutic interventions in health care, communication with patients with psychiatric problems, therapeutic communication, talking techniques, specific interventions in crisis states, health care of patients in forensic settings, group therapy, sociotherapeutic counselling techniques, therapeutic unit, pharmacotherapy (Outcome 3) 4. Health care of psychiatric patients (process of health care of patients with psychiatric illness or illness) and this: <ol style="list-style-type: none"> 1. Process of treatment of alcohol-dependent patients (Outcome 4) 2. Process of medical treatment of patients with organically induced mental illness (Outcome 4) 3. The medical care process of patients with schizophrenia and schizophrenia with mental illness (Outcome 4) 4. The process of treating patients with depression (Outcome 4)

Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field teaching		<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments	-			
Students' obligations	Regularly and conscientiously attend all forms of classes				
Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
	Attendance of classes	1 - 4	68	2,26	0
	Activities during classes				
		1 - 4	5	0,17	0 - 20
	Colloquium/writing	1 - 4	6	0,20	0 - 20
	Subtotal	1 - 4	78	2,63	0 - 40 (50 % of grade)
	Final written exam	1 - 4	11	0,37	50 % of grade
	Total	1 - 4	90	3	100%
	Evaluation criteria	Activities in class	Colloquium/writing		
	Description	Preparation for teaching units Understanding the previous content Participation in solving common tasks	Knowledge test with 4 answers of which only 1 is scored. The test consists of 20 questions, and each answer is scored 1 point. The range of points and the correlation with the score is determined by the course leader.		

	Activities during the clinical performance (In the booklet for the evaluation and evaluation of clinical performance and clinical practice)		
Points: min. - max.	0 - 20	0 - 20	
Minimum score - pass threshold	10	10	
Total points	0 - 40		
Overall rating	Threshold of passage	Score range	Evaluation
	20 points	35 - 40	5 (excellent)
		30 - 34,99	4 (very good)
		26 - 29,99	3 (good)
		20 - 25,99	2 (Sufficient)
Conditions for accession to the final exam			
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Pass colloquia 4. Collect at least 50% points 5. To acquire clinical skills - at least 90% 			
CLINICAL SKILLS			
<p>The exercises/activities and interventions provided in the Booklet for monitoring and evaluating exercises and clinical practice are not evaluated numerically.</p> <p>Success in performing exercises is described as:</p> <ul style="list-style-type: none"> • The exercise has been adopted • The exercise was not adopted <p>In order for the student to be able to take the final exam, he/she must adopt at least 90% of the planned interventions and activities, and the remaining 10% of the exercises or activities can be transferred to the second part of the course - Nursing Care of Psychiatric Patients/II</p>			

	<p>Final exam - criterion evaluations Final exam consists of: written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p> <table border="1"> <thead> <tr> <th>Percentage of Correct Answers</th> <th>Student's grade</th> </tr> </thead> <tbody> <tr> <td>90 - 100 %</td> <td>5 (excellent)</td> </tr> <tr> <td>80 - 89,9 %</td> <td>4 (very good)</td> </tr> <tr> <td>65 - 79.9 %</td> <td>3 (good)</td> </tr> <tr> <td>50 - 64,9 %</td> <td>2 (sufficient)</td> </tr> </tbody> </table>			Percentage of Correct Answers	Student's grade	90 - 100 %	5 (excellent)	80 - 89,9 %	4 (very good)	65 - 79.9 %	3 (good)	50 - 64,9 %	2 (sufficient)				
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Obligatory literature	<p>1. Sedić B. Zdravstvena njega psihijatrijskih bolesnika. Zagreb: Medicinska naklada,2007</p> <p>2. Ribarić S, Vidoša A. Zdravstvena njega u zaštiti mentalnog zdravlja. Zagreb:Medicinska naklada, 2014.</p> <p>Moro Lj, Frančišković T. Psihijatrija. Zagreb: Medicinska naklada. 2011.</p>																
Supplementary literature	<p>1. Keltner N, Steele D. Psychiatric Nursing (8th ed.). Elseiver; 2018.</p>																
Number of copies in the library	Title	Number of copies	Number of Students														

	1. Ribarić S, Vidoša A. Zdravstvena jej u zaštiti mentalnog zdravlja. Zagreb: Medicinska naklada; 2014.	12	60
	2. Moro Lj, Frančišković T. Psychiatry. Zagreb: Medicinska naklada; 2011.	12	60
	3. Sedić B. Health care of psychiatric patients. Zagreb: Medical Publishing House; 2007.	12	60
Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control quality of students work and acquisitions of necessary knowledge and skill will be insured through interactive work. By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the rest.</p>		

GENERAL INFORMATION

Course title	GERIATRIC NURSING CARE	
Course lecturer	Assoc. PhD Sanja Zoranić, college prof.	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Obligatory	
Year of study	3.	
Points value and the method of teaching	ECTS credits	4
	Number of hours (L+E+S)	L-30, E-75, S-15

COURSE DESCRIPTION

Course objectives	To familiarise students with the specifics of health needs and the principles of health care of older persons. To enable them to apply the principles of specific nursing care for elderly persons.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<ul style="list-style-type: none"> 1 - to clarify basic concepts in geriatrics and gerontology and the basic characteristics of demographic, biological, psychological and social ageing 2 - distinguish between physiological and pathological changes in old age 3 - identify the most common health problems in old age and ways of solving them 4 - to implement planned health care models for older people 5 - to implement measures for the protection and prevention of illness and pain 6 - develop positive attitudes towards old age and older people
Course content	<ul style="list-style-type: none"> 1. Basic geriatrics and gerontology, demographic, biological and psychosocial aspects of ageing (Outcome 1) 1. Physiological and pathological changes in the ageing process (Outcome 2) 2. The most serious health problems in older people and ways of solving them (locomotor pain, malignant pain, cardiovascular pain, dementia, communication problems, pain in the skin, difficulties in digestion and elimination, basic human needs, hearing and vision problems, etc.). - pharmacotherapy, psychological and social support, help, creating a safe environment) (Outcome 3) 3. Planning, implementation and evaluation of the health care process (Principles of the health care process) (Outcome 4) 4. Primary, secondary and tertiary prevention of diseases and difficulties in elderly people, organizational models of care for the elderly (Outcome 5) 5. Attitudes and prejudices about age and older people, successful aging and quality of life of older people (Outcome 6)

Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance education <input checked="" type="checkbox"/> field teaching		<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and mesh <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments	-			
Students' obligations	Regularly and conscientiously attendance in all forms of classes				
Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
	Attendance of classes	1 - 6	90	3	0
	Activities during classes	1 - 6	3	0,10	0 - 10
	Seminar/writing and presentation	1 - 6	6	0,20	0 - 20
	Colloquium/writing	1 - 6	6	0,20	0 - 20
	Subtotal	1 - 6	115	3,5	0 - 50 (50 % of grade)
	Final written exam	1 - 6	15	0,50	50 % of grade
	Total	1 - 6	120	4	100%
	Evaluation criteria	Activities in class	Colloquium/writing	Seminar/writing and presentation	
	Description	Preparation for teaching units Understanding the previous content Participation in solving common tasks Activities during the course of the assignment (In the booklet for writing and	Knowledge test with 4 answers of which only 1 is scored. The test consists of 20 questions, and each answer is scored 1 point. The range of points and the correlation with the score is determined by the course leader.	Organization/structure and advice Vocabulary and grammar Conciseness and structural terminology Writing style Citation and referencing Layout/multimedia	

		evaluation of injections and clinical practice)		
Points: min. - max.	0 - 10		0 - 20	0 - 20
Minimum number of points - passability threshold	5		10	10
Total points	0 - 50			
Overall rating	Threshold of passage	Score range	Evaluation	
		45 - 50	5 (excellent)	
		38 - 44,9	4 (very good)	
		32 - 37,9	3 (good)	
	25 points	25 - 31,9	2 (Sufficient)	
Conditions for accession to the final exam				
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Pass colloquia 4. Collect at least 50% points 5. To master field and clinical skills - 100% 				
CLINICAL SKILLS				
A student cannot attend a practice class if he/she has not passed the written colloquium				
The exercises/activities and interventions provided in the Booklet for monitoring and evaluating clinical exercises and clinical practice are not evaluated numerically.				
Success in performing exercises is described as:				
<ul style="list-style-type: none"> • The exercise has been adopted • The exercise has not been adopted 				
In order for the student to be able to take the final exam, he/she must adopt 100% of the planned interventions and activities				
Final exam - criterion evaluations				
Final exam consists of: written exam.				
If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:				

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Obligatory literature	<ol style="list-style-type: none"> Zloković J, Zovko A. Gerontologija – izazovi i perspektive. Rijeka: Hrvatska sveučilišna naklada, Filozofski fakultet Sveučilišta u Rijeci; 2020. Četiri stupnja gerijatrijske zdravstvene njege, Centar za gerontologiju Zavoda za javnozdravstvo „Andrija Štampar“, Zagreb 2011. 																	
Supplementary literature	<ol style="list-style-type: none"> James J, Cotton B, Knight J, et al. Najbolja care za osobe s demencijom u bolničkim uvjetima: Zagreb: Medicinska naklada; 2018. 																	
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	<ol style="list-style-type: none"> Zloković J, Zovko A. Gerontologija - izazovi i perspektive. Rijeka: Hrvatska sveučilišna naklada, Faculty of Philosophy, Sveučilišta u Rijeci; 2020. Four stages of geriatric health care, Centre for Gerontology of the Public Health Institute "Andrija Štampar", Zagreb 2011. 	12	60															
Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control quality of students work and acquisitions of necessary knowledge and skill will be insured through interactive work. By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the rest.</p>																	

GENERAL INFORMATION		
Title of subject	HEALTH CARE OF PERSONS WITH DISABILITIES	
Course leader	Maja Karabatić, MSN. lecturer	
Study programme	Professional undergraduate study Nursing	
Course status	Obligatory	
Year	3.	
Scoring and method of performance	ECTS credits	2
	Number hours (L+E+S)	L-15, E-30, S-10

COURSE DESCRIPTION	
Course objectives	To introduce students to the issues of access to persons with disabilities and children with developmental disabilities in accordance with modern approaches. The course also aims to acquire knowledge, understanding and ways of approaching the specific needs of persons with disabilities and children with developmental disabilities with an emphasis on health promotion and the creation of health programs.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>I 1 - to clarify the terminology, international classification of persons with disabilities and children with developmental difficulties, forms of care for them and the national strategy with an emphasis on the health care sector</p> <p>I 2 - describe the techniques and specific interventions of multidisciplinary approach in dealing with persons with disabilities and children with difficulties</p> <p>I 3 - to identify the way, model, approach to persons with disabilities and children with developmental difficulties in accordance with their specific needs</p>
Course content	<p>1. Disability and society Terminology; Models of approach to persons with disabilities; Causes and prevention of disability; Persons with disabilities throughout history; Attitude towards persons with disabilities in the Republic of Croatia; Forms of care for persons with disabilities and children with developmental disabilities; National strategy for persons with disabilities with emphasis on the area of Health care; International classifications and disability; Quality of life of persons with disabilities (Outcome 1)</p> <p>2. Techniques and specific interventions of a multidisciplinary approach in working with persons with disabilities, children with disabilities and their family members (Outcome 2)</p> <p>3. Methods, models and approaches to persons with disabilities or children with developmental disabilities in accordance with their specific needs (Outcome 3)</p> <p>4. The process of healthcare in the care of persons with disabilities (assessment, planning, implementation, evaluation); Specificity of the approach in the implementation of healthcare for persons with below-average intellectual functioning; Autism; Persons with visual impairments; Persons with hearing impairments; People with motor disorders (Outcome 4)</p> <p>5. Modern approaches in working with people with disabilities to improve the quality of life (work programs, early intervention, aids, holistic approach, mental health protection, respect for ethical and legal norms and regulations) (Outcome 5)</p>

Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input checked="" type="checkbox"/> distance education <input checked="" type="checkbox"/> field teaching		<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other			
	Comments	-				
Students' obligations	Regularly and conscientiously attend all forms of classes					
Monitoring and evaluation of students' work		Activities	Outcomes	Number of hours	ECTS	Points min. – max.
		Attendance classes	1 - 5	42	1, 40	0
		Activities during classes and advice to seminar groups - analysis of structured articles	1 - 5	5	0,16	0 - 10
		Colloquium/writing	1 - 5	4	0,14	0 - 10
		Subtotal	1 - 5	51	1,7	0 - 20 (50 % of grade)
		Final written exam	1 - 5	9	0,30	50 % of grade
		Total	1 - 5	60	2	100%
		Evaluation criteria	Activities in class	Colloquium/writing		
		Description	Preparation for teaching units Understanding the previous content Participation in common solving tasks Seminar group activities - analysis of structured questions	The knowledge test offers 4 answers, only 1 of which is scored. The test consists of 20 questions, but each answer is scored 1 point. The range of points and the correlation with the score is determined by the course leader.		

	Activities during the clinical performance (In the booklet for the evaluation and evaluation of clinical practice)		
Points: min. - max.	0 - 10	0 - 10	
Minimum points - pass mark	5	5	
Total points	0 - 20		
Overall rating	Threshold of passage	Score range	Evaluation
	10 points	19 - 20	5 (excellent)
		17 - 18.99	4 (very good)
		14 - 16,99	3 (good)
		10 - 13.99	2 (Sufficient)
Conditions for accession to the final exam			
<ol style="list-style-type: none"> 1. Regular class attendance 1. Active participation in class + participate in the seminar group 2. Passing the mid-term tests (colloquia) 3. Accumulating at least 50% of the total points 4. To acquire field and clinical skills - 100 % 			
CLINICAL EXERCISES			
A student cannot attend a practice class if he/she has not passed the written colloquium			
Exercises/activities and interventions provided in the Booklet for monitoring and evaluating exercises and clinical practice are not evaluated.			
Success in performing exercises is described as:			
<ul style="list-style-type: none"> • The exercise has been adopted • The exercise was not adopted 			
In order for the student to be able to take the final exam, he/she must adopt 100% of the planned interventions and activities			
Final exam – evaluations criterion			

	Final exam consists of: written exam.		
	If the student answered less than 50% of the questions correctly, it will be considered that he did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:		
		Percentage of Correct Answers	Student's grade
		90 - 100 %	5 (excellent)
		80 - 89,9 %	4 (very good)
	65 - 79,9 %	3 (good)	
	50 - 64,9 %	2 (sufficient)	
Final evaluation			
Forming the final grade: Based on the points achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%). In the ECTS system, the grade is expressed in the following way: (classes 50% + final exam 50%)			
	Percentage of Acquired Competencies	Numerical Grade	ECTS - rated
	90 - 100 %	5 (excellent)	A
	80 - 89,9 %	4 (very good)	B
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Obligatory literature	<ol style="list-style-type: none"> 1. Ljubičić M. Zdravstvena njega osoba s invaliditetom. Zadar: Sveučilište u Zadru; 2014. 2. Pavić J. Zdravstvena njega osoba s invaliditetom. Zagreb: Zdravstveno veleučilište; 2015 3. Šegota I, i sur. Bioetički aspekti komuniciranja s gluhima. Rijeka: Medicinski fakultet - Rijeka; 2007. 		
Supplementary literature	1. Nacionalna strategija izjednačavanja mogućnosti za osobe s invaliditetom od 2007. do 2015. godine, Narodne novine. 63/07		
Number of copies in the library	Title	Number of copies	Number of Students
	1. Pavić J. Zdravstvena njega osoba s invaliditetom. Zagreb: Health University; 2015.	12	60

	2. Šegota I, i sur. Bioetički aspekti komuniciranja s gluhima. Rijeka: Medicinski fakultet - Rijeka; 2007.	12	60
Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control quality of students work and acquisitions of necessary knowledge and skill will be insured through interactive work. By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the rest.</p>		

GENERAL INFORMATION		
Course title	FUNDAMENTALS OF RESEARCH IN NURSING	
Course lecturer	Assoc. Ph.D. Marko Skelin, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Obligatory	
Year of study	3.	
Points value and the method of teaching	ECTS credits	4
	Number of hours (L+E+S)	L-30, E-55, S-15

COURSE DESCRIPTION		
Course objectives	To familiarize students with the basics of research methodology, types of research, ways of using information related to the field of nursing and the nursing profession and the application of statistical methods and procedures in nursing.	
Terms of course entry and required competencies	None.	
Expected learning outcomes on the course level	<p>1 - to clarify the concept of scientific research, the types of scientific research and the methodology of scientific research</p> <p>2 - to integrate knowledge of scientific methodology, statistical methods and procedures with the body of knowledge on the use of information in the field of health care</p> <p>3 - to apply basic knowledge and skills for research and the use of structural and scientific literature and different methods of research in health care</p> <p>4 - to explain the process of writing and publishing a scientific paper</p> <p>5 - to critically analyse various data and scientific studies on health care.</p>	
Course content	<p>1. Scientific research, types of scientific research, planning research, objectives of research, hypotheses and statistical hypotheses, variables, methodology of research, statistical methods and evaluation of results (Outcome 1)</p> <p>2. Integration of knowledge from the methodology, statistical methods and procedures with the accumulated knowledge on the use of information in the health care sector (Outcome 2)</p> <p>3. Basic knowledge and skills for research and the use of structured and scientific literature and different methods of research in healthcare (Outcome 3)</p> <p>4. Knowledge and skills in writing and publishing scientific work (Outcome 4)</p> <p>5. Analysis of different data and scientific research on health care (Outcome 5)</p>	
Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance education <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other

Comments	-				
Students' obligations	Regularly and conscientiously attend all forms of classes				
Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
	Attendance of classes	1 - 5	75	2,5	0
	Activities during classes	1 - 5	6	0,20	0 - 20
	Seminar/writing and presentation	1 - 5	6	0,20	0 -20
	ME - Expression of the structure of scientific advice/simulation of research in the clinical setting	1 - 5	10,5	0,35	0 - 20
	Subtotal	1 - 5	97,5	3,25	0 - 60 (50 % grade)
	Final written exam	1 - 5	22,5	0,75	50 % grade
	Total	1 - 5	120	4	100 %
	Evaluation criteria	Activities in class	Seminar/writing and presentation		ME - expression of the structure of scientific advice/simulation of research in the clinical setting
	Description	Preparation for teaching units Understanding the previous content Participation in solving common tasks	Organization/structure of the Board Vocabulary and grammar Structurality and structural terminology Writing style Citation and referencing Layout/multimedia	Theoretical background Methodology in structuring scientific work Simulation of clinical practice - understanding clinical practice and the best interests of the patient	

	Points: min. - max.	0 - 20	0 - 20	0 - 20
	Minimum points - pass threshold	10	10	10
	Total points	0 - 60		
Overall rating	Threshold of passage	Score range	Evaluation	
	30 points	54 - 60	5 (excellent)	
		48 - 53,99	4 (very good)	
		42 - 47,99	3 (good)	
		30 - 41,99	2 (sufficient)	
Conditions for accession to the final exam				
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Pass colloquia 4. Collect at least 50% points 				
Final exam - criterion evaluations				
Final exam consists of: written exam.				
If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:				
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	<p>Final evaluation</p> <p>Forming the final grade: Based on the points achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%). In the ECTS system, the grade is expressed in the following way: (classes 50% + final exam 50%)</p> <table border="1"> <thead> <tr> <th>Percentage of Acquired Competencies</th> <th>Numerical Grade</th> <th>ECTS - rated</th> </tr> </thead> <tbody> <tr> <td>90 - 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 - 89,9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 - 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 - 64,9 %</td> <td>2 (Sufficient)</td> <td>D</td> </tr> </tbody> </table>			Percentage of Acquired Competencies	Numerical Grade	ECTS - rated	90 - 100 %	5 (excellent)	A	80 - 89,9 %	4 (very good)	B	65 - 79.9 %	3 (good)	C	50 - 64,9 %	2 (Sufficient)	D
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50 - 64,9 %	2 (Sufficient)	D																
Obligatory literature	<ol style="list-style-type: none"> 1. Marušić M (ur). Uvod u znanstveni rad u medicini (4th edition) Zagreb: Medicinska naklada; 2008. 2. Ruxton DG, Colegrave N. Dizajniranje istraživanja u biomedicinskim znanostima. Zagreb: Medicinska naklada; 2016. (introduction by Jovanov Milošević N.) 																	
Supplementary literature	<ol style="list-style-type: none"> 1. Gamulim S. Klinička istraživanja/klinička epidemiologija. Zagreb: Medicinska naklada; 2015. 2. <u>Gerrish K, (ed.), Lacey A, (ed.) Cormack D, (ed.)</u>. The Research Process in Nursing (6ththed.). Willey, 2015. 																	
Number of copies in the library	Address	Number of Copies	Number of Students															
	1. Marušić M (ur). Uvod u znanstveni rad u medicini (4th edition) Zagreb: Medicinska naklada; 2008.	12	60															
2. Ruxton DG, Colegrave N. Dizajniranje istraživanja u biomedicinskim znanostima. Zagreb: Medicinska naklada; 2016. (introduction by Jovanov Milošević N.)	12	60																
Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control quality of students work and acquisitions of necessary knowledge and skill will be insured through interactive work. By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the rest.</p>																	

GENERAL INFORMATION

Course title	PREVENTION OF DAMAGE, DISEASES AND INJURIES OF THE LOCOMOTOR SYSTEM IN NURSES	
Course lecturer	Branka Birkić, MD, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Elective	
Year of study	3.	
Points value and the method of teaching	ECTS credits	2
	Number of hours (L+E+S)	L-15, S-15

COURSE DESCRIPTION

Course objectives	The objectives of this course are to introduce students to the basic knowledge and skills necessary for the prevention and treatment of musculoskeletal damage, diseases, and injuries in nurses.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - to analyse the normal state of health, and the functional deviations specific to locomotor damage, diseases and injuries taking into account anatomical and physiological factors</p> <p>2 - to describe the risk factors for the development of spasticity, pain and pain in the locomotor system in nurses</p> <p>3 - list the most common causes of pain, pain and pain in the locomotor system in medical nurses, their symptoms and signs</p> <p>4 - to describe the principles and methods of prevention of pain, pain and damage to the locomotor system in nurses</p> <p>5 - demonstrate the application of specific tests and measurements, as well as the application of appropriate methods for the treatment of osteoporosis, pain and locomotor disorders</p>
Course content	<p>Characteristics of normal activity, components of normal activity and motor activity, transfer activity between postural sets and complex functional activities (Outcome 1)</p> <p>Risk factors in the process of work which can cause pain, pain and damage to the locomotor system of medical nurses (Outcome 2)</p> <p>The most common injuries, pains and limitations of the locomotor system in nurses, their symptoms and signs: Carpal tunnel syndrome. Carpal tunnel syndrome. Tennis elbow. Golfer's elbow, Hopeful tendons, Sheath of the neck and forearm (tenosynovitis). Tendon sheath of the ulnar collateral ligament of the hand</p>

	<p>Subacromial impingement syndrome, Supcoracoid impingement syndrome, Glenoid impingement syndrome, Subtle anterior instability and damage to the upper part of the labrum glenoid, as well as the tendon of the long head of the biceps tendon, Cervical syndrome. Cervicobrachial syndrome. Cervicocephalic syndrome, Thoracic syndrome. Lumbar syndrome, Overcrowding syndrome, Hand joint fracture syndrome (gymnastic hand joint) (Outcome 3)</p> <p>Basic principles and methods for the prevention of osteoarthritis, pain and pain in the locomotor system. The problem of compenhourson, the cymbals in the prevention of overuse syndrome. (Outcome 4)</p> <p>the application of specific tests and measurements, as well as the application of appropriate methods for the treatment of pain, pain and deterioration of the locomotor system (Outcome 5)</p>				
Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance education <input type="checkbox"/> field teaching		<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
Comments	-				
Students' obligations	Regularly and conscientiously attend all forms of classes				
Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
	Attendance of classes	1 - 5	22	0,70	0
	Activities during classes	1 - 5	14	0,50	0 - 10
	Colloquium/meeting	1 - 3	12	0,40	0 - 10
	Colloquium/meeting/practicum	4 - 5	12	0,40	0 - 10
	Subtotal	1 - 5	60	2	0 - 30 (100 % of estimated)
	Final written exam				
	Total	1 - 5	60	2	100 % estimated

Description	Preparation for teaching units	Knowledge development (ability to analyse, synthesise and evaluate)	Patient education on discharge from hospital								
	Understanding the previous content	Structurality and accuracy of the answer	Interdisciplinary approach to meeting basic life needs								
	Participation in solving common tasks	Logical linking									
		Mastery of structural terms and concepts									
		Correlation with related markets									
Points: min. - max.	0 - 10	0 - 10	0 - 10								
Minimum score - threshold for passability	5	5	5								
Total points	0 - 30										
Overall rating	Threshold of passage	Score range	Evaluation								
	15 points	26 - 30	5 (excellent)								
		23 - 25,99	4 (very good)								
		19 - 22,99	3 (good)								
		15 - 18,99	2 (Sufficient)								
Conditions for accession to the final exam											
<input type="checkbox"/> Regularly attend classes <input type="checkbox"/> Actively participate in classes <input type="checkbox"/> Pass colloquia <input type="checkbox"/> Collect at least 50% points											
Final exam - criterion evaluations											
Final exam consists of: written exam.											
If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:											
		<table border="1"> <tr> <td>% of correct answers Vertical sphincter</td> <td>Brochian</td> </tr> <tr> <td>90 - 100 %</td> <td>5 (excellent)</td> </tr> <tr> <td>80 - 89,9 %</td> <td>4 (very good)</td> </tr> <tr> <td>65 - 79,9 %</td> <td>3 (good)</td> </tr> </table>		% of correct answers Vertical sphincter	Brochian	90 - 100 %	5 (excellent)	80 - 89,9 %	4 (very good)	65 - 79,9 %	3 (good)
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90 - 100 %	5 (excellent)										
80 - 89,9 %	4 (very good)										
65 - 79,9 %	3 (good)										

	50 -64,9 %	2 (sufficient)																
	<p>Final evaluation</p> <p>Forming the final grade: Based on the points achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%). In the ECTS system, the grade is expressed in the following way: (classes 50% + final exam 50%)</p> <table border="1"> <thead> <tr> <th>Percentage of Acquired Competencies</th> <th>Numerical Grade</th> <th>ECTS - rated</th> </tr> </thead> <tbody> <tr> <td>90 - 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 - 89,9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 - 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 - 64,9 %</td> <td>2 (sufficient)</td> <td>D</td> </tr> </tbody> </table>			Percentage of Acquired Competencies	Numerical Grade	ECTS - rated	90 - 100 %	5 (excellent)	A	80 - 89,9 %	4 (very good)	B	65 - 79.9 %	3 (good)	C	50 - 64,9 %	2 (sufficient)	D
Percentage of Acquired Competencies	Numerical Grade	ECTS - rated																
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80 - 89,9 %	4 (very good)	B																
65 - 79.9 %	3 (good)	C																
50 - 64,9 %	2 (sufficient)	D																
Obligatory literature	<ol style="list-style-type: none"> 1. Uremović M, Davila S, i sur. Rehabilitacija ozljeda lokomotornog sustava. Zagreb: Medicinska naklada; 2018. 2. Kirin S. Uvod u ergonomiju. Karlovac: Veleučilište u Karlovcu; 2019. 																	
Supplementary literature	<ol style="list-style-type: none"> 1. Radečić M. Ergonomija na radnom mjestu zdravih djelatnika (diplomski rad). Medical Faculty of Sveučilište u Zagrebu. 2011. Available at: https://www.bib.irb.hr/download/611298.dipl... 1. Heimer S. Medical kinesiology. Zagreb: Medicinska naklada; 2018. 																	
Number of copies in the library	Title	Number of copies	Number of Students															
	Uremović M, Davila S, et al. Rehabilitacija ozljeda lokomotornog sustava. Zagreb: Medicinska naklada; 2018.	12	60															
	Kirin S. Uvod u ergonomiju. Karlovac: Veleučilište u Karlovcu; 2019.	12	60															
Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control quality of students work and acquisitions of necessary knowledge and skill will be insured through interactive work. By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the rest.</p>																	

GENERAL INFORMATION		
Course title	QUALITY MANAGEMENT IN NURSING CARE	
Course lecturer	Divna Goleš, MA in Economics, Senior Lecturer Vesna Bušac, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Elective	
Year of study	3.	
Points value and the method of teaching	ECTS coefficient of students' performance	2
	Number of hours (L+E+S)	L-15, S-15

COURSE DESCRIPTION		
Course objectives	To familiarise students with the importance of quality management of health care for the management and prevention of risk in nursing practice.	
Terms of course entry and required competencies	None	
Expected learning outcomes on the course level	1 - Differentiate between the following concepts: quality assurance, quality control and quality management 2 - Clarify the following concepts: quality structure standards; quality standards of the health care process, quality standards of the health care goal 3 - State the principles of quality indicators for health care 4 - Indicate potential and acute risks in the process of health care and measures of prevention	
Course content	1. Historical development of quality management: quality assurance, quality control and quality management including TQM (Outcome 1) 2. Quality standards in healthcare: structure standards, process standards and goal standards (Outcome 2) 3. Quality indicators in health care, the application of quality indicators in health care (Outcome 3) 4. 4. The possibility of adverse events, errors and omissions in the healthcare process; risk factors; risk prevention; reporting of adverse events (Outcome 4)	
Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance education <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other

Comments	-					
Students' obligations	Regularly and conscientiously attend all forms of classes					
Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.	
	Attendance classes	1 - 4	22	0,70	0	
	Activities during classes	1 - 4	12	0,40	0 - 10	
	Seminar/preparation and presentation	1 - 4	15	0,50	0 - 10	
	Colloquium/oral	1 - 4	11	0,40	0 - 10	
	Subtotal	1 - 4	60	2	0 - 30 (100 % of grade)	
	The final exam is not taken.					
	Total	1 - 4	60	2	100 % of grade	
	Evaluation criteria	Activities in class		Colloquium/oral	Seminar/preparation and presentation	
	Description	Preparation for teaching units Understanding the previous contents Participation in solving common tasks		Level of knowledge (ability analysis, synthesis and evaluations) Structuredness and accuracy answers Logically connecting the facts Conduct professional terms and concepts Correlation with related contents	Organization/structure and advice Vocabulary and grammar Structurality and structural terminology Writing style Citation and referencing Layout/multimedia	
	Points: min. - max.	0 - 10		0 - 10	0 - 10	
	Minimum number of points - passability threshold	5		5	5	
	Total points	0 - 30				
	Overall rating	Threshold of passage	Score range	Evaluation		

	Estimated	clearance	bodova	
			26 - 30	5 (excellent)
			23 - 25,99	4 (very good)
			19 - 22,99	3 (good)
		15 points	15 - 18,99	2 (Sufficient)
Conditions for forming the final grade:				
1. Regularly attend classes				
2. Active participation in class				
3. Pass colloquia				
4. Obtain a positive evaluation from the seminar				
5. Collect at least 50% of the points				
The final exam is not to be taken				
Final grade				
Formation of the final assessment: the basis of the points that the student has been working on since the beginning of the process. The grade is shown in the ECTS score in a similar way:				
		Percentage of Acquired Competencies	Brochure grade	ECTS - grade
		90 - 100 %	5 (excellent)	A
		80 - 89,9 %	4 (very good)	B
		65 - 79.9 %	3 (good)	C
		50 - 64,9 %	2 (sufficient)	D
Obligatory literature	1. Kalauz S. Organizacija i upravljanje u zdravstvenoj njezi. Zagreb: Medicinska naklada,2015. 2. Banovac E, Kotzak D. Maglić L. Osnove, metode i alati kvalitete. Slavonski Brod:Sveučilište J.J. Strossmayera u Osijeku, 2011.			
Supplementary literature	1. Pravilnik o akreditacijskim standardima za bolničke zdravstvene ustanove. Narodnenovine, br. 92/2019-1825			
Number of copies in the library	Title	Number of copies	Number of Students	

	1. Kalauz S. Organizacija i upravljanje u zdravstvenoj njezi. Zagreb: Medicinska naklada,2015.	12	60
	I.Banovac E, Kotzak D. Maglić L. Osnove, metode i alati kvalitete. Slavonski Brod: Sveučilište J.J. Strossmayera u Osijeku, 2011.	12	60
Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control quality of students work and acquisitions of necessary knowledge and skill will be insured through interactive work. By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the rest.</p>		

GENERAL INFORMATION		
Course title	INTENSIVE CARE NURSING	
Course lecturer	Zvonimir Parčina, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Elective	
Year of study	3.	
Points value and the method of teaching	ECTS credits	2
	Number of hours (L+E+S)	L-15, E-30

COURSE DESCRIPTION		
Course objectives	To acquire the necessary basic and specific knowledge and skills for planning and implementing the care of patients in the intensive care unit.	
Terms of course entry and required competencies	None	
Expected learning outcomes on the course level	<p>1 - to acquire practical and theoretical knowledge in the field of optical medical care for patients in intensive care units</p> <p>2 - to acquire special practical and theoretical knowledge in the field of specialised medical care for patients in intensive care units</p> <p>3 - to apply basic procedures for cardiopulmonary-cerebral resuscitation I 4 - to assess the intensity of pain using different scales, methods and tools</p> <p>5 - to apply pharmacological agents and other techniques in the treatment of pain</p>	
Course content	<p>1. Specifics of optical medical care in intensive care patients (haemodynamic monitoring of patients, mechanical ventilation, central venous pressure, diuresis, optical diagnostic and therapeutic requirements, pharmacological therapy, infusion of opioids, prevention of optical complications (Outcome 1)</p> <p>1. Specifics of specialised medical care in intensive care patients (specialised haemodynamic monitoring of patients (Swan Ganz catheter, ICP, intra-abdominal pressure, drainage), assistance with specialised diagnostic and therapeutic instructions, differential infusions, transfusion of blood and blood products, prevention of specific complications (Outcome 2)</p> <p>2. Basic procedures for cardiopulmonary-cerebral resuscitation (Outcome 3)</p> <p>3. Percentage of pain intensity on different scales, methods or tools (Outcome 4)</p> <p>4. Methods used in pain management, their method of treatment and side-effects (Outcome 5)</p>	
Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance education <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other

Comments	-				
Students' obligations	Regularly and conscientiously attend all forms of classes				
Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. - max.
	Attendance of classes	1 - 5	34	1,14	0
	Activities during classes	1 - 5	8	0,26	0 - 10
	Colloquium I/oral	1 - 3	9	0,30	0 - 20
	Colloquium/meeting II - Clinical case	4 - 5	9	0,30	0 - 20
	Subtotal	1 - 5	60	2	0 - 50 (100 % of grade)
	No final exam				
	Total	1 - 5	60	2	100 % estimated
	Evaluation criteria	Activities in class	Colloquium/oral		Colloquium/meeting/clinical incident
	Description	Preparation for teaching units Understanding the previous content Participation in solving common tasks	Knowledge development (ability to analyse, synthesise and evaluate) Structurality and accuracy of the answer Logical linking Mastery of structural terms and concepts Correlation with related markets	Knowledge (ability to analyse, synthesise and evaluate) Structured and accurate answers Logical linking of rank Command of structural terms and concepts Correlation with related markets	
Points: min. - max.	0 - 10	0 - 20		0 - 20	

	Minimum number of points - passability threshold	5	10	10															
	Total points	0 - 50																	
	Overall rating	Threshold of passage	Score range	Evaluation															
			45 - 50	5 (Exceptional)															
			38 - 44,9	4 (very good)															
		32 - 37,9	3 (good)																
	25 points	25 - 31,9	2 (sufficient)																
Conditions for forming the final grade: Regularly attend classes																			
1. Actively participate in classes																			
2. Pass colloquia																			
3. Collect at least 50% points																			
4. All (100%) exercises and activities in clinical teaching must be adopted according to the Booklet for Monitoring and Evaluation of Clinical Exercises and Clinical Practice																			
The final exam is not to be placed																			
Final evaluation																			
Formation of the final evaluation: the basis of the points which the student has accumulated during the course. The final grade is calculated in the ECTS system in the following way:																			
		<table border="1"> <thead> <tr> <th>Percentage of Acquired Competencies</th> <th>Brochure grade</th> <th>ECTS - grade</th> </tr> </thead> <tbody> <tr> <td>90 - 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 - 89,9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 - 79,9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 - 64,9 %</td> <td>2 (sufficient)</td> <td>D</td> </tr> </tbody> </table>			Percentage of Acquired Competencies	Brochure grade	ECTS - grade	90 - 100 %	5 (excellent)	A	80 - 89,9 %	4 (very good)	B	65 - 79,9 %	3 (good)	C	50 - 64,9 %	2 (sufficient)	D
Percentage of Acquired Competencies	Brochure grade	ECTS - grade																	
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80 - 89,9 %	4 (very good)	B																	
65 - 79,9 %	3 (good)	C																	
50 - 64,9 %	2 (sufficient)	D																	

Obligatory Literature	<ol style="list-style-type: none"> Šustić A. i sur. Priručnik iz anesteziologije, reanimatologije i intenzivne medicine za studente prediplomskih, diplomskih i stručnih studija. Rijeka: Medicinski fakultet Rijeka, Digital pont d.o.o.Rijeka; 2014. Kalauz S. i sur. Zdravstvena njega kirurških bolesnika. Zagreb: Zdravstveno veleučilište; 2021 e - izdanje. 		
Supplementary literature	1. Majerić Kogler M, Jukić M, Husedžinović I, Sekulić A, Žunić, J. Klinička anesteziologija. Zagreb: Medicinska naklada; 2005.		
Number of Copies in the library	Title	Number of copies	Number of Students
	1. Šustić A. i sur. Priručnik iz anesteziologije, reanimatologije i intenzivne medicine za studente prediplomskih, diploma i stručnih studija. Rijeka: Medicinski fakultet Rijeka, Digital pont d.o.o.Rijeka; 2014.	12	60
	2. Kalauz S. i sur. Zdravstvena njega kirurških bolesnika. Zagreb: Zdravstveno veleučilište; 2021 e - izdanje.	12	60
Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control quality of students work and acquisitions of necessary knowledge and skill will be insured through interactive work.</p> <p>By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the rest.</p>		

GENERAL INFORMATION

Course title	PALLIATIVE HEALTH CARE	
Course lecturer	Ana Žepina Puzić, M.Sc. med. techn., precep.	
Study programme	Undergraduate Professional Study in Nursing	
Course status	Compulsory	
Year of study	3.	
Points value and the method of teaching	ECTS credits	2
	Number hours (L+E+S)	L-10, E-40, S-5

COURSE DESCRIPTION

Course objectives	To familiarize students with the basic principles, philosophy and organization of palliative care and the assessment for the need of planning, implementation and evaluation of palliative care in the last stage of life in hospital, hospice and nursing home, as well as the management of the patient's family support during pain and mourning.
Terms of course entry and required competencies	none
Expected learning outcomes on the course level	<p>1 - to clarify the philosophy and principles of palliative care and the basic benefits of palliative care in hospitals, hospices and nursing home</p> <p>2 - indicate the organizational forms and methods of palliative care</p> <p>3 - demonstrate planned palliative care</p> <p>4 - organise professional and social support for the patient and his/her family</p> <p>5 - identify ethical issues in palliative care</p>
Course content	<p>1. Definitions and basic concepts in palliative care, principles and philosophy of palliative care, palliative care in hospitals, hospices and nursing homes and the history of hospice and palliative care (Outcome 1)</p> <p>1. Organization of palliative care, its forms and differences (Outcome 2)</p> <p>2. Planning, implementation and evaluation of palliative care (help in meeting basic human needs of dying patients, and procedures for addressing and alleviating adverse symptoms and pain) (Outcome 3)</p> <p>3. Organization of professional and social support to the patient and his/her family (communication with the dying patient and his/her family, support to the family during pain and mourning (Outcome 4)</p> <p>4. Ethical ambiguities in palliative care (autonomy and dignity of the patient, specific features of the nurse-patient relationship, euthanasia...) (Outcome 5)</p>

Types of evoking a state of mind	<input checked="" type="checkbox"/> Lectures <input checked="" type="checkbox"/> Seminars and workshops <input checked="" type="checkbox"/> publications <input checked="" type="checkbox"/> practical exercises <input type="checkbox"/> distance education <input type="checkbox"/> Fieldwork		<input checked="" type="checkbox"/> self-initiated assignments <input type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring advice <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative setting <input type="checkbox"/> other			
	Students' Commitments					
Monitoring and evaluation of students' work	Activities		Go to	Hours	ECTS	Points min. - max.
	Performance		1 - 5	42	1,4	0
	Class activities					
			1 - 5	4	0,14	0 - 20
	Colloquium/written		1 - 5	5	0,16	0 - 20
	Subtotal		1 - 5	51	1,7	0 - 40 (50 % of grade)
	Final written exam		1 - 5	9	0,30	50 % of grade
	Total		1 - 5	60	2	100% of grade
	Assessment Criteria	Activities in the class	Colloquium/writing			
	Description	Preparation for teaching units Understanding of prior content Participation in the solving of tasks. Activities during the course of the exercise (In the booklet for washing and	Knowledge test with 4 answers of which only 1 is scored. The test consists of 40 questions, and each answer is valued at 0,5 points. The range of points and the link to the assessment is determined by the course leader.			

		Evaluation of research and clinical practice)										
Points: min. - max.	0 - 20		0 - 20									
Minimum number of points - pass threshold	10		10									
Total points	0 - 40											
Overall rating	Threshold of passage	Score range	Evaluation									
	20 points	35 - 40	5 (excellent)									
		30 - 34,99	4 (very good)									
		26 - 29,99	3 (good)									
		20 - 25,99	2 (Sufficient)									
Conditions for accession to the final exam												
<ol style="list-style-type: none"> 1. Regular class attendance 1. Active participation in class 2. Passing colloquia 3. Accumulating at least 50% of the total points 4. To acquire clinical skills - 100% 												
CLINICAL EXERCISES												
<p>A student cannot attend a practice class if he/she has not passed the written colloquium Exercises/activities and interventions provided in the Booklet for monitoring and evaluating exercises and clinical practice are not evaluated.</p> <p>Success in performing exercises is described as:</p> <ul style="list-style-type: none"> • The exercise has been adopted • The exercise has not been adopted <p>In order for the student to be able to take the final exam, he/she must adopt 100% of the planned interventions and activities</p>												
Final exam - Evaluation Criteria												
<p>The final exam consists of: written exam.</p> <p>If the student has answered less than 50% of the questions accurately, he/she is considered to have failed the final exam. A student who has answered exactly more than 50% of the questions will be given a final examination and will be judged in the following way:</p>												
		<table border="1"> <thead> <tr> <th>Percentage of Correct Answers</th> <th>Student's grade</th> </tr> </thead> <tbody> <tr> <td>90 - 100 %</td> <td>5 (excellent)</td> </tr> <tr> <td>80 - 89,9 %</td> <td>4 (very good)</td> </tr> <tr> <td>65 - 79.9 %</td> <td>3 (good)</td> </tr> </tbody> </table>			Percentage of Correct Answers	Student's grade	90 - 100 %	5 (excellent)	80 - 89,9 %	4 (very good)	65 - 79.9 %	3 (good)
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	50 - 64,9 %	2 (sufficient)																
	<p>Final assessment</p> <p>The final grade according to the Study Regulations is based on the knowledge, skills and competences acquired by the student during the course of the final examination and on the results of the final examination. (set 50% + final examination 50%)</p> <table border="1"> <thead> <tr> <th>Percentage of Acquired Competencies</th> <th>Numerical Grade</th> <th>ECTS - assessed</th> </tr> </thead> <tbody> <tr> <td>90 - 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 - 89,9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 - 79,9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 - 64,9 %</td> <td>2 (sufficient)</td> <td>D</td> </tr> </tbody> </table>			Percentage of Acquired Competencies	Numerical Grade	ECTS - assessed	90 - 100 %	5 (excellent)	A	80 - 89,9 %	4 (very good)	B	65 - 79,9 %	3 (good)	C	50 - 64,9 %	2 (sufficient)	D
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Mandatory Literature	<ol style="list-style-type: none"> Ljubičić M. Palliative health care. Jastrebarsko: Naklada Slap; 2020. Lončar Z, Katić M, Jureša V, i sur. Palijativna skrb u zajednici. Zagreb: Medicinska naklada; 2018. 																	
Supplementary literature	<ol style="list-style-type: none"> Lughton J, Kindlen M. Palliative care in nursing Edinburgh: Churchill Livingstone; 1999. Brkljačić M, Šamija M, Belev B, i sur. Palijativna medicina: osnovna načela i organizacija, klinički pristup terminalnom bolesniku, medicinska etika. Markulin d.o.o.;2013. 																	
Number of Copies of Required Literature per Number of Students Enrolled in the Course	Address	Number of Copies	Number of Students															
	1. Ljubičić M. Palliative health care. Jastrebarsko: Naklada Slap; 2020.	12	60															
Quality management methods that ensure the integration of knowledge, skills and	<p>Quality control of students' work and the acquisition of the necessary knowledge and skills will be assured through interactive processes. By keeping records on the performance and activity of students in the setting and by obtaining information on the progress of students during the colloquium, the information necessary for further training of students in order to increase the efficiency of their work will be obtained. Students</p>																	

Competence	will be informed about their rights and obligations, as well as working methods and necessary literature. Indicators of quality assurance: Student survey, internal evaluation of the performance, thematic meetings on the quality of the performance and results, collection of data from the HZZZ on the employment status of students, surveys of employers and alumni associations and other.
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GENERAL INFORMATION		
Course title	NURSING CARE OF PSYCHIATRIC PATIENTS II	
Course lecturer	Snježana Jušić, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Obligatory	
Year of study	3.	
Points value and the method of teaching	ECTS credits	3
	Number hours (L+E+S)	L-10, E-65

COURSE DESCRIPTION	
Course objectives	To familiarize the student with mental health, the most common pains and problems in psychiatry, aspects of mental health promotion, and ways of helping people and their families cope with mental health problems. Students will also be able to apply the process of health care to psychiatric patients.
Terms of course entry and required competencies	There are no requirements for enrolling in the course, but taking the course is possible only after successfully passing the course Health Care of Psychiatric Patients I.
Expected learning outcomes on the course level	<p>1 - to provide planned medical care and remission of psychiatric patients</p> <p>2- to develop a humane attitude towards mental health problems</p> <p>3 - to demonstrate the skills necessary for primary, secondary and tertiary care in mental health care</p> <p>4. Implement planned healthcare for a psychiatric patient</p>
Course content	<p>a. Process of treatment of a patient with suicidal ideation (Outcome 4)</p> <p>b. Process of treatment of a patient with violent suicidal ideation (Outcome 4)</p> <p>c. Process of care of a patient with anxiety disorders (Outcome 4)</p> <p>d. Process of care of a patient with a feeding disorder (Outcome 4)</p> <p>e. Process of health care of a developmental disorder (Outcome 4)</p> <p>f. Process of health care of a patient with a personality disorder (Outcome 4)</p> <p>g. Health care process of a person of old age with a mental disorder (Outcome 4)</p> <p>h. Theoretical models in the process of mental healthcare (V. Henderson, H. Peplau, D. Orem, GW Stuart , Roy C) (Outcome 4)</p> <p>1) Holistic approach to mental health, ethical and legal regulation, development of a culture of safety (Outcome 2) Knowledge needed for primary, secondary and tertiary care of mental health (organization of medical care for patients with mental health problems, psychosocial rehabilitation, promotion of mental health (Outcome 3)</p>

Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and radio programmes <input checked="" type="checkbox"/> publications <input checked="" type="checkbox"/> practical advice <input type="checkbox"/> distance education <input type="checkbox"/> Fieldwork		<input checked="" type="checkbox"/> self-initiated assignments <input type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring advice <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative setting <input type="checkbox"/> other		
	Comments	-			
Students' obligations	Regularly and conscientiously attend all forms of classes				
Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. - max.
	Attendance of classes	1 - 3	60	2	0
	Activities during classes	1 - 3	7,5	0,25	0 - 20
	Colloquium/writing	1 - 3	7,5	0,25	0 - 20
	Subtotal	1 - 3	75	2,50	0 - 40 (50 % of the appraised value)
	Final exam/ written	1 - 3	15	0,50	50 % of grade
	Total	1 - 3	90	3	100% of grade
	Evaluation criteria	Class activities and group seminar work	Colloquium/writing		
	Description	Preparation for teaching units Understanding previous content Participating in joint problem solving. Activities during practical classes (In the booklet for monitoring and evaluating exercises and clinical practice)	The knowledge test offers 4 answers, only 1 of which is scored. The test consists of 20 questions, but each answer is scored 1 point. The range of points and the correlation with the score is determined by the course leader.		

		Evaluation of research and clinical practice)		
Points: min. - max.		0 - 20	0 - 20	
Minimum number of points - pass threshold		10	10	
Total points	0 - 40			
Total score	Threshold of passage	Score range	Evaluation	
		35 - 40	5 (excellent)	
		30 - 34,99	4 (very good)	
		26 - 29,99	3 (good)	
		20 - 25,99	2 (sufficient)	
	20 points			
Conditions for accession to the final exam				
<ol style="list-style-type: none"> 1. Regular class attendance 1. Active participation in class 2. Passing the mid-term tests (colloquia) 3. Accumulating at least 50% of the total points 4. To acquire clinical skills - 100% 				
CLINICAL EXERCISES				
<p>A student cannot attend a practice class if he/she has not passed the written colloquium Exercises/activities and interventions provided in the Booklet for monitoring and evaluating exercises and clinical practice are not evaluated.</p> <p>Success in performing exercises is described as:</p> <ul style="list-style-type: none"> • The exercise has been adopted • The exercise has not been adopted <p>In order for the student to be able to take the final exam, he/she must adopt 100% of the planned interventions and activities, including 10% of the exercises or activities that he/she transferred from the course from the previous semester.</p>				
Final exam - assessment criteria				
<p>The final exam consists of: written exam.</p> <p>If the student has answered less than 50% of the questions accurately, it will be considered that he/she has not passed.</p>				

	A student who has answered exactly more than 50% of the questions has been given a final examination and will be evaluated in the following way:		
		Percentage of Correct Answers	Student's grade
		90 - 100 %	5 (excellent)
		80 - 89,9 %	4 (very good)
		65 - 79.9 %	3 (good)
		50 - 64,9 %	2 (sufficient)
Final assessment			
The final grade according to the Study Regulations is based on the knowledge, skills and competences acquired by the student during the course of the final examination and on the results of the final examination. (set 50% + final examination 50%)			
	Percentage of Acquired Competencies	Numerical Grade	ECTS - rated
	90 - 100 %	5 (executed)	A
	80 - 89,9 %	4 (very good)	B
	65 - 79.9 %	3 (good)	C
	50 - 64,9 %	2 (Sufficient)	D
Obligatory literature	<ol style="list-style-type: none"> Sedić B. Zdravstvena njega psihijatrijskih bolesnika. Zagreb: Medicinska naklada,2007 Ribarić S, Vidoša A. Zdravstvena njega u zaštiti mentalnog zdravlja. Zagreb: Medicinska naklada, 2014. Moro Lj, Frančišković T. Psihijatrija. Zagreb: Medicinska naklada. 2011. 		
Supplementary literature	1. Keltner N, Steele D. Psychiatric Nursing (8th ed.). Elseiver; 2018.		
Number of copies in the library	Address	Number of Copies	Number of Students
	1. Ribarić S, Vidoša A. Zdravstvena jej u zaštiti mentalnog zdravlja. Zagreb: Medicinska naklada; 2014.	12	60

	2. Moro Lj, Frančišković T. Psychiatry. Zagreb: Medicinska naklada; 2011.	12	60
	3. Sedić B. Health care of psychiatric patients. Zagreb: Medicinska naklada; 2007.	12	60
Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control of the quality of the students' work and the acquisition of the necessary knowledge and skills will be ensured through an interactive process. By keeping records on the performance and activity of students in the setting and by obtaining information on the progress of students during the colloquium, the information necessary for further training of students in order to increase the quality of their work will be obtained. Students will be taught about their rights and obligations, methods of advice and the necessary literature.</p> <p>Indicators of quality assurance performance: Student survey, internal evaluation of the performance, thematic meetings on the quality of the performance and results, collection of data from HZZZ on the employment situation of students, surveys of employers and alumni associations and others.</p>		

GENERAL INFORMATION

Course title	HEALTH EDUCATION WITH LEARNING AND TEACHING METHODS	
Course lecturer	Mišela Radnić, MSN, lecturer Maja Karabatić, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Obligatory	
Year of study	3.	
Points value and the method of teaching	ECTS credits	3
	Number of hours (L+e+S)	L-30, E-15, S-15

COURSE DESCRIPTION

Course objectives	To introduce students to the methods of health promotion as a specificity of the nurse's job and to empower them to identify the health needs of the individual and group, plan health promotion activities, implement a health promotion programme, help individuals and groups to use their own health resources to carry out health promotion activities.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - to clarify the impact of health promotion on the health of the individual and the community</p> <p>2 - to indicate the basic methods, methods and techniques of teaching and learning and the basic didactic principles of health education</p> <p>3 - to identify the health needs of the individual and the group</p> <p>4 - plan health-responsive activities for the individual and the target group</p> <p>5 - apply methods, ways and techniques of teaching and learning and basic didactic principles in health education</p>
Course content	<p>1. Health behavior and health and the importance of health education in preserving the health of the individual and the community (Outcome 1)</p> <p>2. Methods, ways and techniques of learning and teaching, basic didactic organized forms of health education, work with the individual and family, small group and community (Outcome 2)</p> <p>3. Assessment of health and educational needs of an individual or target groups, techniques and tools (Outcome 3)</p> <p>4. Planning health and educational programs targeted according to the assessed needs (Outcome 4)</p> <p>5. Methods, ways and techniques of learning and teaching and basic didactic organized forms of health education in work with the individual and family, small group and community (Outcome 5)</p>

Types of teaching	<input checked="" type="checkbox"/> Lectures <input checked="" type="checkbox"/> seminars and radio programmes <input checked="" type="checkbox"/> publications <input checked="" type="checkbox"/> Practical Work <input type="checkbox"/> distance education <input type="checkbox"/> Fieldwork		<input checked="" type="checkbox"/> self-initiated assignments <input checked="" type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring advice <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative setting <input type="checkbox"/> other		
	Comments	-			
Students' obligations	Regularly and conscientiously attend all forms of classes				
Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
	Attendance classes	1 - 5	45	1,5	0
	Activities during classes	1 - 5	9	0,30	0 - 20
	Seminar/writing and presentation	1 - 5	6	0,20	0 - 20
	Colloquium/oral	1 - 5	7,5	0,25	0 - 20
	Subtotal	1 - 5	67,5	2,25	0 - 60 (50 % of the estimate)
	Final exam/writing	1 - 5	22,5	0,75	50 % of grade
	Total	1 - 5	90	3	100% of grade
	Evaluation criteria	Participation in class + Injection tasks		Colloquium/meeting	Seminar/writing and presentation
	Description	Preparation for setting units Understanding prethodic sets Participation in the solving of problems.		Knowledge development (ability to analyse, synthesise and evaluate) Structured and accurate answers Logical linking Mastery of structural terms and concepts Correlation with related	Organization/structure of the board Vocabulary and grammar Structurality and structural terminology Writing style Citation and referencing Layout/multimedia

		Available at	
Points: min. - max.	0 - 20	0 - 20	0 - 20
Minimum number of points - passability threshold	10	10	10
Total points	0 - 60		
Overall rating	Threshold of passage	Score range	Evaluation
	30 points	54 - 60	5 (excellent)
		48 - 53,99	4 (very good)
		42 - 47,99	3 (good)
		30 - 41,99	2 (Sufficient)
Conditions for accession to the final exam			
<ol style="list-style-type: none"> 1. Regular class attendance 2. Active participation in class and hourssfy methodological requirements 3. Pass the colloquium 4. Attain at least 50% of the points 			
Final exam - criterion evaluations			
The final exam consists of: written exam.			
If the student has answered less than 50% of the questions accurately, it is considered that he/she has failed the final exam. A student who has answered exactly more than 50% of the questions will be given a final examination and will be judged in the following way:			
Percentage of Correct Answers		Student's grade	
90 - 100 %		5 (excellent)	
80 - 89,9 %		4 (very good)	
65 - 79,9 %		3 (good)	
50 - 64,9 %		2 (Sufficient)	

	Final assessment		
	The final grade according to the Study Regulations is based on the knowledge, skills and competences acquired by the student during the course of the final examination and on the results of the final examination. (set 50% + final examination 50%)		
	Percentage of Acquired Competencies	Numerical Grade	ECTS - rated
	90 - 100 %	5 (excellent)	A
	80 - 89,9 %	4 (very good)	B
65 - 79.9 %	3 (good)	C	
50 - 64,9 %	2 (sufficient)	D	
Obligatory literature	<ol style="list-style-type: none"> Miljković D, Đuranović M, Vidić T. Odgoj i obrazovanje - iz teorije u praksu. Zagreb: IEP-D2 : Teachers' Faculty, 2019. Matijević M, Bilić V, Opić S. Pedagogija za učitelje i nastavnike. Zagreb. Havelka M, Havelka A. Health psychology (chapter: Health care). Jastrebarsko: Naklada Slap; 2013. 		
Supplementary literature	<ol style="list-style-type: none"> Woolfolk A. Educational psychology. Jastrebarsko: Naklada Slap; 2016. Sorić I. Self-regulation of learning. Teaching how to learn. Jastrebarsko: Naklada Slap; 2014. 		
Number of copies in the library	Address	Number of Copies	Number of Students
	1. Miljković D, Đuranović M, Vidić T. Odgoj i Formation - from theory to practice. Zagreb: IEP-D2 : Teachers' Faculty , 2019.	12	60
	2. Havelka M, Havelka A. Health psychology (chapter: Health care). Jastrebarsko: Naklada Slap; 2013.	12	60
Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive processes. By keeping records on the performance and activity of students in the setting and by obtaining information on the progress of students during the colloquium, the information necessary for further training of students in order to increase the quality of their work will be obtained. Students will be taught about their rights and obligations, methods of advice and the necessary literature.</p> <p>Indicators of quality assurance: Student survey, internal evaluation of the performance, thematic meetings on the quality of the performance and results, collection of data from the HZZZ on the employment status of students, surveys of employers and alumni associations and others.</p>		

fluid balance, lavage of fluid balance, lavage of fluid balance, lavage of fluid balance. the use of a mechanical ventilator, aspiration of the spinal cord and endotracheal tubes and other necessary procedures according to the competence or the doctor's instructions. Basic procedures for the medical care of patients in surgical intensive care units: admission of the patient from the ward room, washing of the status of the sciatic wound, haemodynamic monitoring, washing of the ICP, washing of the fluid balance, washing of the status of the surgical wound, washing of the drainage and drainage drainage, washing of the mechanical ventilator radius, aspiration of the drainage drainage and endotracheal tube, assistance to the patient with post-operative pain (pain and vomiting, abdominal distension) stucavica, pain) wound recognition of symptoms and signs of post-operative complications (bleeding, hypovolaemic shock, dehiscence and disruption of the surgical wound, infection of the surgical wound, paralytic ileus, venous thrombosis, pulmonary embolism), pain intensity reduction, enteral and parenteral nutrition of the patient and other necessary procedures according to the doctor's competence or orders. Basic procedures for the medical care of the patient when the patient is transferred from the ward to the surgical ward: washing of the status of the vital signs, washing of the balance of fluid, washing and examination of the surgical wound, examination of the drainage system and the appearance of the drainage system, assistance to the patient with post-operative problems, early recognition of symptoms and signs of post-operative complications, enteral and parenteral nutrition of the patient and other necessary procedures according to the doctor's competence and orders. (Outcome 1)

2. Planning, implementation, evaluation and documentation of psychiatric care - admission and discharge, hourssfaction of basic human needs of the patient, assessment of the patient's condition and possible manipulation (simulation/dissimulation), identification of undesirable effects of psychopharmacotherapy, use of scales to assess mental status, preparation of the patient for electroconvulsive stimulation, small group, large group and therapeutic unit, the plan for the care of the patient and his/her relatives, interventions for the care of patients, methods of protection in the event of aggressive anger, symptoms and conditions that can be indicative of self-inflicted anger, interventions aimed at rehabilitation and resocialihourson of the patient, set-up of care for patients in the hospital, assistance with electroconvulsive stimulation, preparation of the patient for diagnostic tests, feeding of patients with anorexia (nasogastric probe) (Outcome 2)
 2. Planning, implementation, evaluation and documentation of palliative care - meeting basic human needs, pain management, skin integrity (Outcome 3)
 3. Planning, provoking, evaluating and documenting health care from the field of health care in the kitchen (Outcome 4)
 4. Planning, implementation, evaluation and documentation of health care for patients in old age - hourssfaction of basic human needs, psychological and emotional support (Outcome 5)
 5. Planning, management, evaluation and documentation of health care in the health care sector in the hospital (Outcome 6)
- Planning, implementation, evaluation and documentation of health care for patients with increased needs - health care, nutrition, integration in the hospital (Outcome 7)

	<input type="checkbox"/> lectures <input type="checkbox"/> Seminars and radio programmes <input checked="" type="checkbox"/> publications <input checked="" type="checkbox"/> practical advice <input type="checkbox"/> distance education <input type="checkbox"/> Fieldwork	<input checked="" type="checkbox"/> independent contractors <input type="checkbox"/> multimedia and network <input type="checkbox"/> Laboratory <input type="checkbox"/> mentoring rad <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative setting <input type="checkbox"/> other			
Comments	-				
Students` obligations	Regularly and conscientiously attend all forms of classes				
Monitoring and evaluation of students' work		Outcomes	Number of hours	ECTS	Points min. – max.
	Clinical exercises	1 - 7	112	3,7	0
	Activities in the setting	1 - 7	26	0,90	0 - 30
	Professional pride	1 - 7	12	0,40	0 - 20
	Subtotal	1 - 7	150	5	0 - 50 (100% valued)
	In total	1 - 7	150	5	100 % of grade
	Assessment Criteria	Participation in class	Professional pride		
Description	- Preparation for clinical practice - Theoretical knowledge - health care planning - individual plan formulation - learning and integration of learned clinical skills/activities and interventions and their implementation at	<input checked="" type="checkbox"/> arrival and departure from the radiosurgery at the precisely scheduled time <input checked="" type="checkbox"/> - adhering to the recommendations of the Code of Ethics for Nurses/Croatian Chamber of Nurses <input checked="" type="checkbox"/> - adhering to regulations related to protective clothing and footwear/professional clothing and footwear with identification card (ID). <input checked="" type="checkbox"/> - respect for the internal organizational culture of the health work organization in which the student performs clinical practice			

		hospital/clinical department - motivation and interest - communication with the patient, his family members and colleagues - respect and protection of the patient's autonomy and integrity - protection of the patient's interests	obuču/profesionalna odjeća i obuća s identifikacijskom karticom (ID). - Sufficiency of the internal organizational culture of the health care organization where the student is in clinical practice	
Points: min. - max.		0 - 30	0 - 20	
Minimum number of points - pass threshold		20	10	
Total points		0 - 50		
Overall rating	Threshold of passage	Score range	Evaluation	
	25 points	45 - 50	5 (excellent)	
		38 - 44,9	4 (very good)	
		32 - 37,9	3 (good)	
		25 - 31,9	2 (Sufficient)	
Final mark				
The final grade represents the student's performance (number of points and grades) in the clinical assessment. The grade is transferred to the ECTS system.				
		Percentage of Acquired Competencies	Brother's grade	ECTS - grade
		90 - 100 %	5 (excellent)	A
		80 - 89,9 %	4 (very good)	B
		65 - 79,9 %	3 (good)	C
		50 - 64,9 %	2 (sufficient)	D

Obligatory Literature	<ol style="list-style-type: none"> 1. Kalauz S, i sur. Zdravstvena njega kirurških bolesnika. Zagreb: Zdravstveno veleučilište, 2021. e-izdanje 2. Sedić B. Zdravstvena njega psihijatrijskih bolesnika. Zagreb. Zdravstveno veleučilište, 2007. 3. Moro Lj, Franciškovic T. Psihijatrija - udžbenik za više zdravstvene studije, Medicinska naklada, Zagreb, 2011. 4. Ljubičić M. Palijativna zdravstvena njega. Jastrebarsko: Naklada Slap, 2020. 5. Pavić J. Zdravstvena njega osoba s invaliditetom. Zagreb: zdravstveno veleučilište:2015 6. Mrzljak V. Zdravstvena njega bolesnika u kući. Zagreb: Udruga medicinskih sestara zdravstvene njege u kući; 2016. 7. Mojsović Z, i sur. Sestrinstvo u zajednici (I). Zagreb: Zdravstveno veleučilište; 2004. 8. Mojsović Z, i sur. Sestrinstvo u zajednici (II). Zagreb: Zdravstveno veleučilište;2006. 		
Supplementary literature	<ol style="list-style-type: none"> 1. Šegota I, i sur. Bioetički aspekti komuniciranja s gluhima. Rijeka: Medicinski fakultet - Rijeka; 2007. 2. Šogorić S. Organizacija zdravstvene zaštite i zdravstvena ekonomika, Medicinskanaklada, Zagreb, 2016. 		
Number of copies in the library	Address	Number of Copies	Number of Students
	1. Kalauz S, i sur. Zdravstvena jej kirurških bolesnika. Zagreb: Zdravstveno veleučilište; 2021. e-edition	12	60
	2. Sedić B. Health care of psychiatric patients. Zagreb: Health University; 2007.	12	60
	3. Moro Lj, Franciškovic T. Psychiatry - a textbook for higher medical studies. Zagreb: Medicinska naklada; 2011.	12	60
	4. Ljubičić M. Palliative health care. Jastrebarsko: Naklada Slap; 2020.	12	60
	5. Mrzljak V. Health care of the sick in the kitchen. Zagreb: Udruga medicinskih sestara zdrava njege u kući; 2016.	12	60
	6. Pavić J. Health care of persons with disabilities. Zagreb: Zdravstveno veleučilište; 2015.	12	60
	7. Mojsović Z, i sur. Sestrinstvo u zajednici (I). Zagreb: Zdravstveno veleučilište; 2004.	12	60
	8. Mojsović Z, et al. Sestrinstvo u zajednici (II). Zagreb: Zdravstveno veleučilište; 2006.	12	60
Quality control methods that ensure acquisition output knowledge	<p>Quality control of the students' work and the acquisition of the necessary knowledge and skills will be ensured by interactive advice. By keeping a record of students' attendance and activity in the setting, you can by obtaining information on the progress of students during the colloquium, the information necessary for further training of students in order to increase the efficiency of their work will be obtained. Students will be taught about their rights and obligations, the methods of advice and the necessary literature. Indicators of quality assurance performance: Student survey, internal evaluation of the performance, thematic meetings on the quality of the performance and results, praćenje godišnjih podataka s HZZZ -a on the employment situation of students, surveys of employers and alumni associations</p>		

GENERAL INFORMATION		
Course title	ENGLISH LANGUAGE III	
Course lecturer	PhD Ivana Kardum Goleš, senior lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Elective	
Year of study	3.	
Points value and the method of teaching	ECTS coefficient of students' performance	2
	Number of hours (L+E+S)	L-30

COURSE DESCRIPTION		
Course objectives	To introduce students to advanced English language in the profession/professional terminology.	
Terms of course entry and required competencies	There is no requirement to take the course, but the course may be taken only after the successful completion of the English II course.	
Expected learning outcomes on the course level	I 1 - translates content into Croatian from the perspective of advanced knowledge of professional English (content from the field of special health care) I 2 - analyzes content from the perspective of English grammar I 3 - applies advanced professional English in speech and writing, I 4 - discusses current professional topics in English with few or no errors (complex topics from the field of special health care)	
Course content	1. Introduction to the specialised health care sector, which relates to the knowledge of the advanced language of the health care sector (Outcome 1) 1. Grammatical analysis of advanced medical language (Outcome 2) 2. Advanced Structure Language in Speech and Writing (Outcome 3) 3. Topical issues in the field of health care - discussion on the English language of health care (complex words from the field of special health care) (Outcome 4)	
Types of teaching	<input checked="" type="checkbox"/> Lectures <input type="checkbox"/> Seminars and radio events <input type="checkbox"/> news <input type="checkbox"/> Practical Work <input type="checkbox"/> distance learning <input type="checkbox"/> Fieldwork	<input checked="" type="checkbox"/> self-initiated assignments <input type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring advice <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative setting <input type="checkbox"/> other
Students' obligations	Regularly and conscientiously attend all forms of classes	

	Outcomes	hours		min. - max.
Attending lectures	1 - 4	22	0,80	0
Activities in class/group work/language workshop	1 - 4	10	0,30	0 - 20
Colloquium/oral	1 - 4	9	0,25	0 - 20
Subtotal	1 - 4	41	2	0 - 40 (50% of grade)
Final exam/written	1 - 4	19	0,65	50% of the estimated
Total	1 - 4	60	2	100% appreciated
Criteria Evaluations	Participation in class + Language workshop	Colloquium 1 oral		
Description	<p>Knowledge of prethodox market</p> <p>Preparation for thematic setting units/ pronalaženje i analysis of different of the subfield of special health care in English language/members, news, news from nursing practice</p> <p>Active participation in linguistic radionics</p> <p>Communications unutar of the group</p>	<p>Knowledge development (Prevođenje, grammar, vocabulary, construction of adverbs)</p> <p>Rule of Structures terms and concepts</p>		
Points: min. - max.	0 - 20	0 - 20		
Minimum number of points points - threshold clearance	10	10		
Total points	0 - 40			

	Redemption value	Threshold of transmissibility	Range of Points	Estimated										
		20 points	35 - 40	5 (executive)										
			30 - 34,99	4 (very good)										
			26 - 29,99	3 (good)										
			20 - 25,99	2 (Sufficient)										
Conditions for Taking the Final Exam														
<ol style="list-style-type: none"> 1. Regular class attendance 1. Actively participate in the setup and language radio 2. Passing the mid-term tests (colloquia) 3. Accumulating at least 50% of the total points 														
Assessment Criteria														
<p>The final exam consists of: written exam.</p> <p>If the student has answered less than 50% of the questions accurately, it is considered that he/she has failed the final exam. A student who has answered exactly more than 50% of the questions will be given a final examination and will be judged in the following way:</p>														
<table border="1"> <thead> <tr> <th>Percentage of Correct Answers</th> <th>Student's grade</th> </tr> </thead> <tbody> <tr> <td>90 - 100 %</td> <td>5 (excellent)</td> </tr> <tr> <td>80 - 89,9 %</td> <td>4 (very good)</td> </tr> <tr> <td>65 - 79,9 %</td> <td>3 (good)</td> </tr> <tr> <td>50 - 64,9 %</td> <td>2 (Sufficient)</td> </tr> </tbody> </table>					Percentage of Correct Answers	Student's grade	90 - 100 %	5 (excellent)	80 - 89,9 %	4 (very good)	65 - 79,9 %	3 (good)	50 - 64,9 %	2 (Sufficient)
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Final assessment														
<p>The final evaluation according to the Study Rules is based on the knowledge, skills and competences acquired by the student during the course and on the results of the final examination. (set 50% + final examination 50%)</p>														
<table border="1"> <thead> <tr> <th>Percentage of Acquired Competencies</th> <th>Numerical Grade</th> <th>ECTS - rated</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>					Percentage of Acquired Competencies	Numerical Grade	ECTS - rated							
Percentage of Acquired Competencies	Numerical Grade	ECTS - rated												

		90 - 100 %	5 (excellent)	A	
		80 - 89,9 %	4 (very good)	B	
		65 - 79.9 %	3 (good)	C	
		50 - 64,9 %	2 (Sufficient)	D	
Mandatory Literature	<p>1. Režić P, Žurić Havelka S. Introduction to Basic Medical Terminology for Health Professions. Zagreb: Zdravstveno veleučilište; 2013.</p> <p>1. Miščin E. Englesko - hrvatski rječnik za medicinske sestre. Zagreb: School book; 2011.</p>				
Supplementary literature/References	1. Brief articles in English (specialised health care)				
The Primierak Brood	Address		Number of Copies		Number of Students
Obligatory literature on the study of the student's health course					
	1. Režić P, Žurić Havelka S. Introduction to Basic Medical Terminology for Health Professions. Zagreb: Zdravstveno veleučilište; 2013.		12		60
	2. Miščin E. Englesko - hrvatski rječnik za medicinske sestre. Zagreb: School book; 2011.		12		60
Quality assessment methods that ensure the acquisition of the required knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive processes. By keeping records on the performance and activity of students in the setting and by obtaining information on the progress of students during the colloquium, the information necessary for further training of students in order to increase the quality of their work will be obtained. Students will be taught about their rights and obligations, methods of advice and the necessary literature.</p> <p>Indicators of quality assurance: Student survey, internal evaluation of the performance, thematic meetings on the quality of the performance and results, collection of data from the HZZZ on the employment status of students, surveys of employers and alumni associations and others.</p>				

GENERAL INFORMATION

Title of course	STATISTICS IN BIOMEDICINE	
Course lecturer	Ivana Beljo, Univ. spec. oec., senior lecturer PhD Ana Pedišić, college prof.	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Elective	
Year of study	3.	
Points value and the method of teaching	ECTS credits	2
	Number hours (L+E+S)	L-15, E-15

COURSE DESCRIPTION

Course objectives	The aim is that students, on the basis of theoretical knowledge and case studies, will be able to understand and apply basic statistical procedures and methods in the field of biomedicine, and that in their future work, they will independently and/or in an organised manner develop the application of the following methods of the acquired knowledge and skills.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>I 1 - define and clarify the concepts of descriptive statistics</p> <p>I 2 - display statistical data in tabular and graphical form</p> <p>I 3 - calculate mean values and measures of dispersion and comment on the resulting calculations</p> <p>I 4 - perform correlation and regression analysis and comment on the solutions and draw conclusions on the association of the phenomenon</p> <p>I 5 - to formulate a statistical hypothesis and perform a statistical test</p>
Course content	<p>Introductory statistical concepts (Outcome 1)</p> <p>Grouping and graphical display of data (Outcome 2)</p> <p>Mean values (Outcome 1, 3)</p> <p>Measures of dispersion (Outcome 1, 3)</p> <p>Correlation and regression (Outcome 1, 4)</p> <p>Hypothesis testing (Outcome 5)</p> <p>Parametric tests (Outcome 5)</p> <p>Chi-square test (Outcome 5)</p>

Types of teaching	<input checked="" type="checkbox"/> Lectures <input type="checkbox"/> Seminars and radio seminars <input checked="" type="checkbox"/> embeds <input checked="" type="checkbox"/> Practical Work <input type="checkbox"/> distance education <input type="checkbox"/> Fieldwork			<input checked="" type="checkbox"/> self-initiated assignments <input checked="" type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> mentor rad <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative setting		
	Comments	-				
Students` obligations	Regularly and conscientiously attend all forms of classes					
		Outcomes	Number of hours	ECTS	Points min. – max.	
	Activities					
	Attendance classes	1 - 5	34	1,14	0	
	Activities during classes	1 - 5	4	0,13	0 - 20	
	Colloquium 1/literates	1 - 5	3	0,10	0 - 10	
	Colloquium 2/insertions	1 - 5	6	0,30	0 - 30	
	Subtotal	1 - 5	47	1,67	0 - 60 (50% of grade)	
	Final written exam		13	0,33	50% of grade	
	Total		60	2	100%	
	Assessment Criteria	Participation in class	Colloquium 1/literates		Colloquium 2/interviews + usmeno	
	Description	Preparation for teaching Understanding the prior content Participation in the joint resolution of tasks	Scoring and evaluation according to the correct answers in a test with questions having four possible answers, one of which is exact. The test has 20 questions, and a correct answer is worth 0,5 points.		Preparation/learning Theoretical knowledge Accuracy of the output of the computer tasks	
	Points: min. - max.	0 - 20	0 - 10		0 - 30	
	Minimum number of points - passability threshold	10	5		15	
	Total points	0 - 60				

Monitoring and evaluation of students' work work															
	Final grade	Threshold of passage	Score range	Evaluation											
		30 points	54 - 60 48 - 53,99 42 - 47,99 30 - 41,99	5 (excellent) 4 (very good) 3 (good) 2 (Sufficient)											
		Conditions for accession to the final exam													
		<p>Regular class attendance</p> <p>Active participation in classes</p> <p>Passing the mid-term tests (colloquia)</p> <p>At least 50% points</p> <p>Final exam - grading criteria</p> <p>The final exam consists of: written exam.</p> <p>If the student has answered less than 50% of the questions accurately, he/she will be considered to have failed the final exam. A student who has answered exactly more than 50% of the questions will be given a final examination and will be judged in the following way:</p> <table border="1"> <thead> <tr> <th>Percentage of Correct Answers</th> <th>Student's grade</th> </tr> </thead> <tbody> <tr> <td>90 - 100 %</td> <td>5 (excellent)</td> </tr> <tr> <td>80 - 89,9 %</td> <td>4 (very good)</td> </tr> <tr> <td>65 - 79.9 %</td> <td>3 (good)</td> </tr> <tr> <td>50 - 64,9 %</td> <td>2 (Sufficient)</td> </tr> </tbody> </table>				Percentage of Correct Answers	Student's grade	90 - 100 %	5 (excellent)	80 - 89,9 %	4 (very good)	65 - 79.9 %	3 (good)	50 - 64,9 %	2 (Sufficient)
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Final assessment															
<p>The final grade according to the Study Regulations is based on the knowledge, skills and competences acquired by the student during the course of the final examination and on the results of the final examination. (set 50% + final examination 50%)</p>															
	% of acquired knowledge, skills and	Numerical Grade	ECTS - grade												

	competence			
	90 - 100 %	5 (Executed)	A	
	80 - 89,9 %	4 (very good)	B	
	65 - 79.9 %	3 (good)	C	
	50 - 64,9 %	2 (sufficient)	D	
Obligatory literature	1. Petz B., Petzova statistika: osnovne statističke metode za nematematičare, 2012.(odabrana poglavlja)			
	Šošić, I., Primijenjena statistika. Školska knjiga, Zagreb, 2004. (odabrana poglavlja)			
Supplementary literature	1. Sindik J., Osnove istraživačkog rada u sestriinstvu, Udžbenici Sveučilišta uDubrovniku, 2014. (dostupno na webu)			
Number of copies in the library	Address	Number of Copies	Number of Students	
	1. Petz B., Petz statistics: basic statistics methods for non-mathematicians, 2012. chapters)	12	60	
	2. Šošić, I., Primitive statistics. Zagreb: School Book;2004. (chapters removed)	12	60	
Quality assessment methods that ensure the acquisition of the required knowledge, skills and competences	Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive processes. By keeping records on the performance and activity of students in the setting and by obtaining information on the progress of students during the colloquium, the information necessary for further training of students in order to increase the quality of their work will be obtained. Students will be taught about their rights and obligations, methods of advice and the necessary literature. Indicators of quality assurance: Student survey, internal evaluation of the performance, thematic meetings on the quality of the performance and results, collection of data from the HZZZ on the employment status of students, surveys of employers and alumni associations and others.			

GENERAL INFORMATION

Title of course	HEALTH OF A PATIENT WITH HEART FAILURE	
Course lecturer	Nikolina Višnjić Junaković, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Elective	
Year of study	3.	
Points value and the method of teaching	ECTS credits	2
	Number of hours (L+E+S)	L-15, E-15

COURSE DESCRIPTION

Course objectives	To acquire the knowledge and skills necessary for planning and implementing medical care of patients with cardiac arrest.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - list the symptoms, specific and less specific signs of acute and chronic heart failure</p> <p>2 - to implement delegated interventions related to the immediate, medium-term and long-term goals of treatment of patients with acute and chronic heart failure (diagnostic and therapeutic procedures)</p> <p>3 - to apply the prescribed therapy to heart rhythm disturbances and to treat gas exchange in the blood and other complications</p> <p>4 - to perform all procedures related to the safety and protection of the patient (to prevent intrahospital infection, falls, skin breakdown)</p> <p>5 - to educate the patient and members of his/her family about care after discharge from hospital (nutrition, activities, rest, sleeping, prophylaxis of battery failure if the patient has a dead heart....)</p>
Course content	<p>Definition of heart failure, Nyha functional classification of pain, symptoms and signs of pain (Outcome 1)</p> <p>Interventions (diagnostic and therapeutic procedures) related to the immediate, medium-term and long-term goals of treatment of patients with acute and chronic heart failure (Outcome 2)</p> <p>Therapeutic procedures for the treatment of pain, therapeutic procedures for the treatment of complications (blood gas exchange, heart rhythm failure, other complications) (Outcome 3)</p> <p>Culture of safety and protection of the patient (prevention of intrahospital infections, falls, skin breakdown) (Outcome 4)</p> <p>Principles and methods of educating the patient and members of his/her family about care at the end of hospital discharge (nutrition, activities, rest, sleeping, ukoliko je bolesniku</p>

	The Mindful Heart - a regular provocation of the punchiness of the mindful heart battery....) (Outcome 5)					
Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> Seminars and radio programmes <input checked="" type="checkbox"/> publications <input checked="" type="checkbox"/> Practical Work <input type="checkbox"/> distance education <input type="checkbox"/> Fieldwork		<input checked="" type="checkbox"/> self-initiated assignments <input type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring advice <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative setting <input type="checkbox"/> other			
Comments	-					
Students' obligations	Regularly and conscientiously attendance in all forms of classes					
Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.	
	Attendance classes	1 - 5	22	0,70	0	
	Activities during classes	1 - 5	14	0,50	0 - 10	
	Colloquium 1/oral	1 - 5	12	0,40	0 - 10	
	Colloquium/oral/practicum	1 - 5	12	0,40	0 - 10	
	Subtotal	1 - 5	60	2	0 - 30 (100 % of grade)	
	The final exam is not taken.					
	Total	1 - 5	60	2	100 % estimated	
	Evaluation criteria	Participation in class		Colloquium/oral		Colloquium/oral/practical
	Description	Preparation for setting units Understanding of prior content Participation in the negotiation of tasks		Knowledge development (ability to analyse, synthesise and evaluate) Structurality and accuracy of the answer Logical linking		Education of the patient on discharge from hospital Interdisciplinary approach to meeting basic life needs

			Mastery of structural terms and concepts		
			Correlation with the family		
	Points: min. - max.	0 - 10	0 - 10	0 - 10	
	Min. number of points - threshold for passability	5	5	5	
	Total points	0 - 30			
	Overall rating	Thres hold of passage	Score range	Evaluation	
		15 points	26 - 30	5 (excellent)	
			23 - 25,99	4 (very good)	
			19 - 22,99	3 (good)	
			15 - 18,99	2 (Sufficient)	
Requirements for forming the final grade 1. Regularly attend classes 2. Actively participate in classes 3. Pass the midterms 4. Collect at least 50% of points 5. Planned clinical exercises adopted – 100%					
The final exam will not be taken.					
Final grade Formation of the final grade: based on the points accumulated during the course, like is shown in the ECTS score in the following way:					
	Percentage of Acquired Competencies	Brother's grade	ECTS - rated		
	90 - 100 %	5 (excellent)	A		
	80 - 89,9 %	4 (very good)	B		

	65 - 79.9 %	3 (good)	C	
	50 - 64,9 %	2 (sufficient)	D	
Obligatory literature	<p>1. Vrhovac B, Jakšić B, Reiner Ž, Vucelić B. Interna medicina. Zagreb: Naklada Ljevak. 2008.</p> <p>2. Kalauz S, i sur. Zdravstvena njega kirurških bolesnika. Zagreb: Zdravstveno veleučilište; 2021.</p>			
Supplementary literature	1. ESC guidelines for the diagnosis and treatment of acute and chronic heart failure. Eur J Heart Fail. 14; 2012: 803-869			
Number of copies in the library	Title	Number of copies	Number of students	
	1. Vrhovac B, Jakšić B, Reiner Ž, Vucelić B. Interna medicina. Zagreb: Naklada Ljevak;. 2008.	12	60	
	2. Kalauz S, et al. Health care of surgical patients. Zagreb: Zdravstveno veleučilište; 2021.	12	60	
Quality assessment methods that ensure the acquisition of the required knowledge, skills and competences	<p>Quality control of students' advice and the acquisition of the necessary knowledge and skills will be ensured by interactive work. By keeping records of students' attendance and activity in the setting and by obtaining information on the progress of students during the colloquium, the information necessary for further training of students in order to increase the efficiency of their work will be obtained. Students will be taught about their rights and obligations, the methods of advice and the necessary literature.</p> <p>Indicators of quality assurance performance: Student survey, internal evaluation of the performance, thematic meetings on the quality of the performance and results, evaluation of the data with HZZZ -a on the employment situation of students, surveys of employers and alumni associations and others.</p>			

GENERAL INFORMATION

Course title	EVIDENCE-BASED NURSING CARE	
Course lecturer	Mario Gazić, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Elective	
Year of study	3.	
Points value and the method of teaching	ECTS coefficient of students' performance	2
	Number of hours (L+E+S)	L-15, S-15

COURSE DESCRIPTION

Course objectives	To familiarize students with the principles of scientific research and evidence-based practice essential for the provision of quality healthcare and patient safety. The aim is to provide the opportunity to critically apply some of the evidence-based models of nursing practice and to provide guidelines for the collection, analysis and synthesis of evidence.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - to assess the relevance of scientific research and practice based on evidence for the provision of quality health care and patient safety</p> <p>2 - to identify possible ethical ambiguities associated with scientific research and evidence-based practice</p> <p>3 - to critically evaluate some of the models of evidence-based nursing practice - the Stetler Model (Stetler, 2000), the Iowa Model (Titler et al., 2001), the Johns Hopkins Model (Newhouse et al., 2007), the ACE Star Model (Stevens, 2004), the Model of Evidence-Based Practice for Nurses (Reavy, Tavernier, 2008)</p> <p>4 - use scientific databases to identify the best/most compelling evidence</p> <p>5 - to apply guidelines for the collection, analysis and synthesis of evidence and the implementation of the promoted practice in the field of health care</p> <p>6 - apply the best/most compelling evidence in the nursing process</p>
Course content	<p>The basics of evidence-based healthcare, the development of evidence-based practice in healthcare and the importance of evidence-based practice for the management and safety of patients (Outcome 1)</p> <p>Ethical aspects of scientific and investigative advice and evidence-based practice (Outcome 2)</p> <p>Models of evidence-based nursing practice - the Stetler Model (Stetler, 2000), Iowa model (Titler et al., 2001), Johns Hopkins model (Newhouse et al., 2007),</p>

	<p>ACE Star Model (Stevens, 2004), Evidence-based Practice Model for Nurses (Reavy, Tavernier, 2008) (Outcome 3)</p> <p>Scientific databases and ways of tracking the best/most compelling evidence (Ovid, EBSCOhost, Proquest, Gale and PubMed), MEDELINE - catalogue of articles from medical journals and CINAHL - inventory of articles from nursing and healthcare journals) (Outcome 4)</p> <p>Guidelines for the collection, analysis and synthesis of evidence and the promotion of nursing practice: Establishing the problem/need for promotion; collecting and evaluating empirical evidence; collecting and evaluating non-empirical evidence; synthesising/simulating evidence; integrating evidence with clinical expertise, judgements and patient/service users' views; proposing promotion in practice or decision-making, evaluating and selecting the best/most compelling evidence (Outcome 5)</p> <p>How to apply the best/most compelling evidence in the health care process and how to standardise it (Outcome 6)</p>				
Types of teaching	<input checked="" type="checkbox"/> Lectures <input checked="" type="checkbox"/> Seminars and radio seminars <input type="checkbox"/> publications <input type="checkbox"/> Practical Work <input type="checkbox"/> distance education <input type="checkbox"/> Fieldwork		<input checked="" type="checkbox"/> self-initiated assignments <input checked="" type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring advice <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative setting <input type="checkbox"/> other		
Comments	-				
Students' obligations	Regularly and conscientiously attend all forms of classes				
Monitoring and evaluation of students' work		Outcome s	Number of hours	ECTS	Points min. – max.
	Attendance classes	1 - 6	22	0,70	0
	Activities during classes	1 - 6	14	0,50	0 - 10
	Colloquium/ORAL	1 - 6	12	0,40	0 - 10
	Seminar/writing and presentation	1 - 6	12	0,40	0 - 10
	Total	1 - 6	60	2	0 - 30 (100 % of grade)
	Total	1 - 6	60	2	100 % of grade

GENERAL INFORMATION		
Course title	LABOR RELATIONS IN HEALTHCARE	
Course lecturer	PhD Dragan Zlatović, college prof.	
Study programme (undergraduate, graduate)	Professional undergraduate study Nursing	
Course status	Elective	
Year of study	3.	
Points value and the method of teaching	ECTS credits	2
	Number of hours (L+E+S)	L-15, S-15

COURSE DESCRIPTION	
Course objectives	The aim of the course is to introduce students to the basic concepts of labour law and to enable them to understand international labour and European labour law. Students are trained to conclude employment contracts in healthcare institutions and other healthcare entities, and to understand and evaluate measures for the protection of maternity, life, health, dignity and privacy and the fundamental rights of healthcare workers. Furthermore, the aim of the course is to introduce students to the issues of labour regulations and collective agreements and the procedure for exercising rights and fulfilling obligations arising from employment in healthcare. Students are introduced to methods of resolving labour disputes and other issues arising from employment relations, with special emphasis on the specificities of employment relations in healthcare.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>I 1 - Categorize and analyze types of employment contracts, working hours and rest arrangements, termination of employment contracts, prohibitions on competition between workers and employers, workers' and employers' associations, collective agreements, forms of worker participation, strikes and other forms of industrial action both in general and specifically in the field of healthcare;</p> <p>I 2 - Interpret relevant international, European and Croatian labor law in healthcare and judge which of the offered legal solutions is most appropriate for solving a particular legal problem.</p> <p>I 3 - Carry out procedures for determining legally relevant facts and deciding on disputed and undisputed issues in the field of labor law in healthcare and apply the relevant law to the established facts</p> <p>I 4 - Use various databases on legal sources, case law and relevant legal literature when preparing decisions on various legal issues and present the legal framework in the field of work in healthcare</p> <p>I 5 - Evaluate the legal basis and draft contracts and individual and general</p>

	legal acts and explanations of individual and general normative acts in labor relations in healthcare	
Course content	<ol style="list-style-type: none"> 1. Concept, development, principles and sources of labor law (Outcome 1, 2, 4, 5) 2. Employers and workers in healthcare (Outcome 1, 5) 3. Establishment of employment in healthcare – employment contract, work regulations, probationary work, temporary employment, education and training for work (Outcome 1) 4. Protection of special categories of workers – protection of life, health and privacy, protection of pregnant women, parents and adoptive parents, protection of workers who are temporarily or permanently unable to work, protection of workers' dignity (Outcome 2, 3, 4, 5) 5. Working hours in healthcare – full-time, part-time and part-time, standby, on-call, overtime, work schedule, redistribution of working hours, night work, shift work (Outcome 1, 2, 3) 6. Rest and leave of healthcare workers (Outcome 1, 2, 3) 7. Salary and compensation, salary and other material rights of healthcare workers (Outcome 1, 2, 3) 8. Termination of employment contracts – legal methods, regular dismissal, extraordinary dismissal, notice periods, judicial termination, severance pay, collective redundancy of workers (Outcome 1, 2, 3, 4, 5) 9. Exercise and protection of workers' rights – decision-making on rights and obligations arising from employment, delivery of decisions, judicial protection, burden of proof, judicial jurisdiction, arbitration and mediation, statute of limitations (Outcome 2, 3, 4, 5) 10. Worker participation in decision-making – works councils, workers' assemblies, workers' representatives in employer bodies in healthcare (Outcome 1) 11. Social dialogue and partnership – associations of workers and employers in healthcare (Outcome 2, 5) 12. Collective agreements in healthcare (Outcome 2, 5) 13. Industrial actions in healthcare – legal framework and limitations (Outcome 1, 2, 3, 4, 5) 14. Responsibility of healthcare professionals (Outcome 2, 3, 4) 15. Protection of personal data in the healthcare sector (Outcome 2, 5) 	
Types of teaching	<input checked="" type="checkbox"/> Lectures <input checked="" type="checkbox"/> Seminars and workshops <input type="checkbox"/> publications <input type="checkbox"/> Practical Work <input type="checkbox"/> distance learning <input type="checkbox"/> Fieldwork	<input checked="" type="checkbox"/> Self-assignments <input type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative setting <input type="checkbox"/> other
Comments	-	

Obveze studenata	Regular attendance of all forms of teaching.					
Monitoring and evaluation of students' work	Aktivnosti	Ishodi	Broj sati	ECTS	Bodovi min. – max.	
	Attendance at classes	1 - 4	22	0,70	0	
	Activities during classes	1 - 4	20	0,70	0 - 20	
	Seminar – preparation, writing, and presentation	1 - 4	18	0,60	0 - 10	
	Subtotal	1 - 4	60	2	0 – 30 (100% of grade)	
	Final exam is not taken					
	Total		60	2	100% of grade	
	Evaluation criteria	Activities in class	Seminar – preparation, production and presentation			
	Description	Preparation for teaching units Understanding previous content Participating in joint problem solving Analysis and discussion of the current situation	Organization/structure of work Vocabulary and grammar Expertise and professional terminology Writing style Citation and citing of references Presentation/multimedia			
	Points: min. – max.	0 - 20	0 - 10			
		10	5			
		0 - 30				
	Overall rating	Threshold of passage	Score range	Evaluation		

		15 points	26 - 30 23 - 25,99 19 - 22,99 15 - 18,99	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory)														
	Conditions for accession to the final exam																	
	<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Pass colloquia <ol style="list-style-type: none"> 1. Collect at least 50% points 																	
	Final exam is not taken																	
Final grade																		
Formation of the final grade: based on points collected during the course. In the ECTS system, the grade is expressed as follows:																		
<table border="1"> <thead> <tr> <th>% knowledge , skills and competencies acquisition</th> <th>Number grade</th> <th>ECTS - Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89,9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 – 64,9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>				% knowledge , skills and competencies acquisition	Number grade	ECTS - Grade	90 – 100 %	5 (excellent)	A	80 – 89,9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 – 64,9 %	2 (satisfactory)	D
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Obligatory literature																		

Supplementary literature	2. 2018 Physical Activity Guidelines Advisory Committee Scientific Report. Washington, DC: U.S. Department of Health and Human Services, 2018. – dostupno na: https://health.gov/sites/default/files/2019-09/PAG_Advisory_Committee_Report.pdf		
Number of copies in the library Number of copies in the library	Title	Number of copies	Number of students
	3. World Economic Forum, Harvard School of Public Health. The Global Economic Burden of Non-communicable Diseases, 2011. – dostupno na: https://www3.weforum.org/docs/WEF_Harvard_HE_GlobalEconomicBurdenNonCommunicableDiseases_2011.pdf	dostupno e-izdanje	60
Quality control methods that ensure acquisition output knowledge, skill and competence	4. Galić S, Tomasović Mrčela N, Priručnik iz gerontologije, gerijatrije i psihologije starijih osoba - psihologije starenja. Osijek: Medicinska škola Osijek; 2013 – dostupno na: http://www.ss-medicinska-os.skole.hr/upload/ss-medicinska-os/images/static3/1236/File/prirucnik.pdf	dostupno e-izdanje	60
	Quality control of students' advice and the acquisition of the necessary knowledge and skills will be ensured by interactive work. By keeping records of students' attendance and activity in the setting and by obtaining information on the progress of students during the colloquium, the information necessary for further training of students in order to increase the efficiency of their work will be obtained. Students will be taught about their rights and obligations, the methods of advice and the necessary literature. Indicators of quality assurance performance: Student survey, internal evaluation of the performance, thematic meetings on the quality of the performance and results, evaluation of the data with HZZZ -a on the employment situation of students, surveys of employers and alumni associations and others.		