	UČNI NAČRT PREDMETA/COURSE SYLLABUS
Predmet:	**Obravnava travmatoloških stanj v zunajbolnišničnem okolju**
Course title	***Treatment of Traumatological Conditions in the Prehospital Environment***

Študijski program in stopnja Study programme and level	**Študijska smer Study field**	**Letnik Academic year**	**Semester Semester**
Zdravstvena nega / 1. stopnja	Zdravstvena nega	3. letnik	6. semester
Nursing Care / 1st Cycle	Nursing Care	3rd year	6th

Vrsta predmeta/Course type modularni/module

Univerzitetna koda predmeta/University course code

Predavanja Lectures	**Seminar Seminar**	**Sem. vaje Tutorial**	**Lab. vaje Laboratory work**	**Teren. vaje Field work**	**Samost. delo Individ. work**	**ECTS**
30	/	/	15	/	30	3

Nosilec predmeta/Lecturer: Uroš Zafošnik, viš. pred.

Jezik/ Languages:		
	Predavanja/Lectures:	slovenski / Slovenian
	Vaje/Tutorial:	slovenski / Slovenian

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:	**Prerequisites:**
Vpis v tretji letnik študijskega programa.	The prerequisite for participation is enrolment in the 3rd year of study.

Vsebina:	**Content (Syllabus outline):**
• Predstavitev filozofije ocenjevanja in oskrbe poškodovanega pacienta. • Predstavitev ocene mesta dogodka nesreče. • Predstavitev algoritmov za hitri in usmerjeni travmatološki pregled. ***Pomembnejša travmatološka stanja pri odraslem pacientu:*** • Dihalna pot in dihanje pri poškodovanem odraslem pacientu. Oskrba dihalne poti. Osnovni pripomočki. Ventilacija. • Oskrba šokiranega pacienta.	• Presentation of the philosophy of assessment and care of the injured patient. • Presentation of the site of the accident. • Presentation of algorithms for rapid and targeted traumatological examination. ***Important traumatological conditions in an adult patient:*** • Respiration and airways in an injured adult patient. Respiratory care. Basic aids. Ventilation. • Care of the shocked patient. • Care of the patient with a chest injury.

• Oskrba pacienta s poškodbo prsnega koša. • Oskrba pacienta s poškodbo glave in možganov. • Oskrba pacienta s poškodbo hrbtenice. • Oskrba pacienta s poškodbo trebuha. • Oskrba pacienta s poškodbo okončin. • Oskrba pacienta z opeklinami. • Srčni zastoj zaradi poškodbe. ***Oskrba poškodovanega otroka:*** • Predstavitev barvnega traku za hiter izbor opreme, postopkov in odmerkov zdravil glede na velikost otroka. • ABCDE pristop k poškodovanemu otroku. • Imobilizacija poškodovanega otroka. ***Oskrba poškodovane nosečnice:*** • Preventiva poškodb pri nosečnici • Sindrom vene cave • Abrupcija placente ***Oskrba poškodovanega starostnika:*** • Predstavitev patofizioloških sprememb pri starostniku v povezavi z oskrbo poškodb. Kabinetne vaje (delavnice v obliki scenarijev): 1. Oskrba poškodovanega motorista. 2. Oskrba pacienta s tenzijskim pnevmotoraksom. 3. Oskrba pacienta s poškodbo glave. 4. Oskrba pacienta s hemoragičnim šokom. 5. Oskrba poškodovanega otroka v prometni nesreči.	• Care of the patient with head and brain damage. • Care of the patient with spinal injury. • Care of the patient with abdominal injury. • Care of the patient with limb injury. • Care of the patient with burns. • Cardiac arrest due to an injury. ***Care of an injured child:*** • Presentation of colour tape for quick selection of equipment, procedures and doses of medication according to the size of the child. • ABCDE approach to an injured child. • Immobilization of an injured child. ***Care for an injured pregnant woman:*** • Prevention of injuries in pregnant women • Vena Cava syndrome • Placental abruption Care for the injured older adult: • Presentation of pathophysiological changes in older people in relation to injury care. Cabinet exercises (classes in the form of scenarios): 1. Care for an injured motorcyclist. 2. Care of the patient with tension pneumothorax. 3. Care of the patient with a head injury. 4. Care of the patient with hemorrhagic shock. 5. Care of an injured child in a car accident.

Temeljna literatura in viri/Readings:

1. Campbell, C. (2018). International trauma life support for emergency care providers. Edinburg: Pearson.
2. Gradišek, P. idr. (2015). Smernice za oživljanje 2015. Ljubljana: Slovensko združenje za urgentno medicino. Pridobljeno 9. 12. 2016 s http://www.szum.si/media/uploads/files/ERC_2015_slo-1.pdf.
3. Pravilnik o službi nujne medicinske pomoči. (2015). Uradni list RS, št. 81 (30.10.2015). Pridobljeno 9.12.2016 s https://www.uradni-list.si/1/content?id=123617.

Cilji in kompetence:	Objectives and competences:
• obvladovanje temeljnega znanja, sposobnost povezovanja znanja z različnih področij na katerih temelji zdravstvena nega življenjsko ogroženega bolnika v zunajbolnišničnem okolju, • usposobljenost za avtonomno, holistično, tolerantno, skrbno in občutljivo obravnavo življenjsko ogroženega pacienta brez izrekanja sodb ob zagotavljanju/varovanju pravic, zaupanja in želja, • usposobljenost za izvajanje nujne medicinske pomoči, • razvoj veščin in spretnosti pri uporabi znanja na strokovnem področju NMP, • usposobljenost za vodenje, organizacijo in kooperativno timsko delo, • usposobljenost za spoštovanje moralnih in etičnih načel ter zakonskih določil pri delu v ekipi NMP, • sposobnost spoštovati pacientovo dostojanstvo, zasebnost in zaupnost podatkov, • usposobljenost za komunikacijo z pacienti, družino in specialisti v zunajbolnišničnem okolju, • spoznanje, da je cilj dobro počutje in kakovost življenja pacienta lažje dosegljiv v kombinaciji prizadevanj medpoklicnega sodelovanja različnih izvajalcev, • usposobljenost za učinkovito komuniciranje in konstruktivno sodelovanje v razpravi, • usposobljenost za povezovanje znanja in izkušenj ter njihovo apliciranje v načrtovanje, izvajanje in vrednotenje celovite zdravstvene oskrbe pacienta, • usvojitev znanja s področja nujne medicinske pomoči in zmožnost apliciranja teoretičnega znanja v klinično okolje. • usposobljenost za ustrezno zdravstveno obravnavo vseh prebivalcev, ki živijo v Sloveniji,	• mastering the basic knowledge, the ability to integrate knowledge from the various fields on which the health care of a life-threatened patient is based in the prehospital environment, • being qualified for autonomous, holistic, tolerant, careful and sensitive treatment of a life-threatened patient without passing judgment while ensuring / safeguarding rights, trust and wishes, • being qualified to perform emergency medical aid (EMA), • development of skills and competences in the use of knowledge in the EMA field of expertise, • being qualified to lead, organize and for cooperative teamwork, • being qualified to adhere to moral, ethical principles and legal requirements when working in the EMA team, • the ability to respect the patient's dignity, privacy and confidentiality of data, • being qualified to communicate with patients, family and specialists in the prehospital environment, • recognizing that the goal of the patient’s well-being and quality of life is more easily achieved through a combination of interprofessional collaboration efforts by different providers, • being qualified for effective communication and constructive participation in the debate, • being qualified to integrate knowledge and experience and apply it to the planning, implementation and evaluation of comprehensive patient care, • acquiring knowledge in the field of emergency medical aid and the ability to apply theoretical knowledge to the clinical setting. • being qualified for adequate medical treatment of all people living in Slovenia,

• razvoj zdravstvenega strokovnjaka, ki ga odlikujejo osebnostna in strokovna zrelost ter visok nivo kulturne kompetentnosti za nudenje ustrezne pomoči posamezniku v stiski, ne glede na status zavarovanca, barvo kože, narodnost, politično, versko ali kakršnokoli drugo prepričanje.	• development of a healthcare professional characterized by personal and professional maturity and a high level of cultural competence to provide appropriate assistance to the individual in need, regardless of the status of the insured, skin colour, nationality, political, religious or any other belief.

Predvideni študijski rezultati:	**Intended learning outcomes:**
Študent/študentka: • pozna pomembnejša nujna travmatološka stanja odraslih, otrok, starostnikov in nosečnic. • pozna osebna varovalna in zaščitna sredstva pri delu. • pozna predpisano dokumentacijo v NMP. • se seznani z začetno oceno mesta dogodka nesreče. • se seznani z uporabo algoritmov za hitri travmatološki pregled. • se seznani z uporabo algoritmov za usmerjeni travmatološki pregled. • se seznani z vlogo medicinske sestre pri oskrbi nujnih travmatoloških stanj. • zaveda se pomena sodelovanja in vloge medicinske sestre v interdisciplinarnem timu. • pridobi poglobljeno teoretično znanje, ki se zahteva na mednarodno priznanem tečaju ITLS v skladu z določili Pravilnika o službi nujne medicinske pomoči. • kompetentno sodeluje pri oskrbi politravmatiziranega pacienta. • kompetentno sodeluje pri izvajanju razbremenitve tenzijskega pnevmotoraksa. • kompetentno sodeluje pri izvajanju hitre sekvenčne intubacije (RSI). • kompetentno sodeluje pri izvajanju tehničnega reševanja. • strokovno in varno izvede odstranitev čelade pri poškodovanem motoristu. • strokovno in varno izvede imobilizacijo ekstremitet in celega telesa s pomočjo	Students: • know the major urgent traumatological conditions of adults, children, older people and pregnant women. • know personal protective and protective equipment at work. • know the required documentation in the EMA. • take note of the initial assessment of the scene of the accident. • become familiar with the use of algorithms for rapid trauma examination. • become familiar with the use of algorithms for targeted traumatology. • become familiar with the role of the nurse in treating emergency traumatology. • are aware of the importance of collaboration and the role of the nurse in the interdisciplinary team. • acquire in-depth theoretical knowledge required in an internationally recognized ITLS course in accordance with the provisions of the Emergency Medical Services Regulation. • competently participate in the care of a politraumatized patient. • competently participate in the implementation of tension pneumothorax relief. • competently participate in performing rapid sequential intubation (RSI). • competently participate in the implementation of technical rescue. • perform a professional and safe removal of the helmet in case of a damaged motorcyclist.

sodobnih pripomočkov za imobilizacijo v zunajbolnišničnem okolju. • Strokovno in varno izvede oskrbo opeklin s pomočjo sodobnih pripomočkov v zunajbolnišničnem okolju. • strokovno in varno izvede zaustavljanje krvavitev z različnimi metodami in pripomočki. • strokovno in varno izvaja oskrbo ran. • uporablja osebna varovalna in zaščitna sredstva. • pravilno izpolni predpisano dokumentacijo v NMP.	• professionally and safely perform immobilization of the extremities and the entire body with the help of modern immobilization devices in the prehospital environment. • professionally and safely perform the care of burns with the help of modern facilities in the prehospital environment. • professionally and safely perform bleeding arrests using various methods and aids. • professionally and safely perform wound care. • use personal protective equipment. • correctly complete the required documentation in EMA.

Metode poučevanja in učenja:	**Learning and teaching methods:**
• Predavanja z aktivno udeležbo študentov (razlaga, diskusija, vprašanja, klinični primeri in njihovo reševanje). • Delavnice v obliki scenarijev: oskrba življenjsko ogroženega pacienta z izdelavo poročila v obliki študije primera.	• Lectures with active student participation (explanation, discussion, questions, clinical cases and their resolution). • Classes in the form of scenarios: care for a life-threatened patient by producing a case study report.

Načini ocenjevanja:	Delež (v %) Weight (v %)	**Assessment:**
Načini • izpit • kolokvij iz vaj Ocenjevalna lestvica ECTS	 80 % 20 %	Types: • exam • preliminary exam based on laboratory (cabinet) work Grading scheme ECTS