

NAME OF THE COURSE		Basic histological techniques						
Code	PPB259	Year of study			2 <sup>nd</sup> and 3 <sup>rd</sup>			
Course teacher	Assistant Professor <b>Nives Kević</b> , PhD	Credits (ECTS)			2			
Associate teachers		Type of instruction (number of hours)			L	S	E	F
					15		15	
Status of the course	Elective	Percentage of application of e-learning			10%			
COURSE DESCRIPTION								
Course objectives	The aim of this course is to introduce basic histological techniques and their application, and to enable students to applying histological techniques at the primary processing of certain histologic material.							
Course enrolment requirements and entry competences required for the course	No requirements.							
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	Student will be able to: 1. Describe the basic histological techniques 2. Understand the importance of histological preparations in biology 3. Explain the application of histological methods 4. Independently make a tissue sections using histological techniques							
Course content broken down in detail by weekly class schedule (syllabus)	Lectures: / Exercises: Lectures (15 hours): Introduction. Histological techniques. Fixation of tissues. Dehydration and clearing of the tissue. Impregnation of the tissue. Embedding of tissue. Cutting tissue using microtome. Applying histochemical techniques on paraffin sections. Dehydration and fixation of the histological sections. Laboratory exercises (15 hours): Tissue preparation using histological techniques.							
Format of instruction	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> <i>on line</i> in entirety <input type="checkbox"/> partial e-learning <input type="checkbox"/> field work			<input type="checkbox"/> independent assignments <input type="checkbox"/> multimedia <input checked="" type="checkbox"/> laboratory <input type="checkbox"/> work with mentor <input type="checkbox"/> (other)				
Student responsibilities	Attending of lectures and exercises.							
Screening student work (name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course)	Class attendance	1	Research		Practical training	1		
	Experimental work		Report		(Other)			
	Essay		Seminar essay		(Other)			
	Tests		Oral exam		(Other)			
	Written exam		Project		(Other)			
Grading and evaluating student work in class and at the final exam	Students will be evaluated upon tissue preparation.							
Required literature (available in the	Title				Number of copies in the library	Availability via other media		

library and via other media)	Anthony L. Mescher (2018) Junqueira's Basic Histology, Text and Atlas. 15th edition. McGraw-Hill Education, USA		Available at teacher in electronic form
	Protocols_ Basic Histological Techniques.pdf		Available at teacher in electronic form
	Kević N. (2019): Basic Histological Techniques – power point lectures		Available at teacher in electronic form
Optional literature (at the time of submission of study programme proposal)	Kim S. Suvarna, Christopher Layton, John D. Bancroft (2018) Bancroft's Theory and Practice of Histological Techniques. 8th edition. Elsevier		
Quality assurance methods that ensure the acquisition of exit competences	Active participation in lectures and consultations. Evaluation of courses and teacher by University or/and internal survey.		
Other (as the proposer wishes to add)			