

<i>Name of the course</i>	Teratology – taking drugs during pregnancy			Code	
<i>Type of study program Cycle</i>	Integrated university study, medicine			Year of study	2
<i>Credits (ECTS) :</i>	2	<i>Semester</i>	4	Number of hours per semester (1+e+s)	15 (l) + 10 (s)
<i>Status of the course:</i>	elective	<i>Preconditions:</i>		<i>Comparative conditions:</i>	/
<i>Access to course:</i>	Second year students			<i>Hours of instructions:</i>	According to schedule
<i>Course teacher:</i>	Associate professor Sandra Kostić, PhD				
<i>Consultations:</i>	As agreed with students				
<i>E-mail address and phone number:</i>	sandra.kostic@mefst.hr				
<i>Associate teachers</i>					
<i>Consultations:</i>	As agreed with students				
<i>E-mail address and phone number:</i>					
<i>The aims of the course:</i>	The aim of the course is to understand and acquire knowledge about the influence of drugs on the development of malformations in fetus				
<i>Learning outcomes (general and specific competences):</i>	<p>After the end of the course, the students will be able to:</p> <ul style="list-style-type: none"> - Describe and explain the basics of human development - Identify and describe the components of placental barrier - Identify and describe the most common drugs taken during the pregnancy and their mechanism of action and possible influence on development of anomalies - Name and explain the supplements taken during the pregnancy and their possible influence on development of anomalies - Describe the influence of ilegal substances on the fetal development 				
<i>Course content (Syllabus):</i>	<ul style="list-style-type: none"> - The basics of the human development - Placenta – blood supply, the placental barrier - Developmental anomalies – genetic, epigenetic and environmental influence - The principles of teratology and historical examples - Taking drugs during pregnancy and lactation - Pharmacokinetics (absorption, distribution, metabolism, secretion) - Narcotics, NSAIDs, ansiolitics i antidepressants, antibiotics, drugs for heart and blood vessels diseases, citostatics, sex hormones, drugs for skin diseases: action and examples of possible anomalies due to their action - Mother diet - Supplements in diet - The influence of ilegal substances on the fetal development - The value of the animal reasearch of teratogens - Research of the scientific literature, short movies with teratology theme 				

Format of instruction (mark in bold)	Lectures	Exercises	Seminars	Independent assignments
	Consultations	Work with mentor	Field work	Other
Student responsibilities	Final exam; searching the literature, active participation in lectures, seminars. Written exam.			
Screening student work (mark in bold)	Class attendance	Class participations	Seminar essay	Practical training
	Oral exam	Written exam	Continuous assessment	Essay
Detailed evaluation within a <i>European system of points</i>				
STUDENTS RESPONSIBILITIES	HOURS	PROPORTIONS OF ECTS CREDITS	PROPORTIONS OF GRADE	
Class attendance and participations		0,5		
Seminar essay				
Written exam		1,5	100%	
Oral exam				
Total				
<p>Further clarification: Assessment of students' performance will be based on their general activity during the course. It will include active participation in the debates, and preparation of the given units (articles) for the ppt on seminars.</p> <p>Final score: The final assessment is carried out according to the Regulation of Studies of the University of Mostar and applies to all study groups. According to the Regulations on studying final grade is obtained as follows: A = 91-100% 5 B = 79 to 90% 4 C = 67 to 78% 3 D = 55 to 66% 2 F = 0 to 54% 1</p>				
Required literature:	<p>Sadler TW. Medical embriology. Zagreb: Školska knjiga. Pereza N, Ostojić S, Zergollern-Čupak Lj, Kapović M, Peterlin B. Clinical dismorphology and developmental anomalies, Medicina 2010, Vol. 46, No. 1, p. 5-18 Drugs During Pregnancy and Lactation (Third Edition), 2015 Treatment Options and Risk Assessment Edited by:Christof Schaefer, Paul W. J. Peters and Richard K. Miller ISBN: 978-0-12-408078-2</p>			

Optional literature:	
Additional information about the course	

Annexes: calendar classes

<i>The number of teaching units</i>	TOPICS AND LITERATURE
<i>I.</i>	Title: Teratology
	Short description: Birth defects
	Literature:
<i>II.</i>	Title: Pharmacokinetics of drugs
	Short description: Introduction to pharmacokinetics of drugs
	Literature:
<i>III.</i>	Title: Nutrient intake
	Short description: Nutritional gaps and supplementation
	Literature:
<i>IV.</i>	Title: Substance use
	Short description: Substance use
	Literature:
<i>V.</i>	Title:
	Short description:
	Literature: