

<i>Name of the course</i>	Transfusiology and transplantology			Code	
<i>Type of study program Cycle</i>	Medical Studies in english			Year of study	5
<i>Credits (ECTS):</i>	0,5	<i>Semester</i>	9	Number of hours per semester (1+s+e)	7+8+5
<i>Status of the course:</i>	mandatory	<i>Preconditions:</i>		<i>Comparative conditions:</i>	/
<i>Access to course:</i>	Fifth year students			<i>Hours of instructions:</i>	According to schedule
<i>Course teacher:</i>	Dr.sc.jadranka Knežević dr.med.				
<i>Consultations:</i>	As agreed with students				
<i>E-mail address and phone number:</i>	jadrankakn@gmail.com 00387 63 997 991				
<i>Associate teachers</i>	Ivana Talić Drlje dr.med.				
<i>Consultations:</i>	As agreed with students				
<i>E-mail address and phone number:</i>	ivanatalic@yahoo.com 00387 63 413 558 anitamaric3@gmail.com				
<i>The aims of the course:</i>	Principal aim of this course is to introduce basic transfusion and transplantation science to medical students, especially in clinical practice. Students will acquire knowledge in importance and application of transfusion and transplantology diagnostic methods and interpretation of acquired results. Students will learn about indication for transfusion of different blood products and how to approach potential adverse reactions to transfusion.				
<i>Learning outcomes (general and specific competences):</i>	Basic knowledge of: -blood donation -immunohematology (ABO blood group system, Rhesus blood group system, other blood group systems, indirect antiglobulin test, direct antiglobulin test, cross reaction) -blood transmissible diseases -blood products preparation and their uses -efficiency monitoring of transfusion -transplantation (solid organs and stem cells, HLA typing)				

**Course content
(Syllabus):**

During the course, knowledge of the students will be tested through seminars and exercises.

lectures:

1. transfusion and transplantation history
2. blood donation, registry of stem cells donors
3. blood products (preparation and uses)
4. ABO blood group system, Rhesus blood group system, other blood group systems
5. indirect antiglobulin test, direct antiglobulin test, cross reaction)
6. posttransfusion reactions and adverse reactions to blood transfusion
7. transplantology in transfusion medicine

seminars:

1. blood transmissible diseases
2. hemolytic disease of newborn
3. importance of transfusion in patient treatment
4. HLA typing
5. hemostasis

During exercises students will be able to demonstrate practical skills acquired during lectures and seminars.

Format of instruction (mark in bold)	Lectures 7	Exercises 8	Seminars 5	Independent assignments
	Consultations	Work with mentor	Field work	Other
Student responsibilities	Students will be evaluated based on: <ul style="list-style-type: none"> • Active participation in seminars and exercises. • Preparation of teaching units for seminars • Reading teaching texts and developing one's own critical thinking about material and the expression of that opinion • Work in small groups 			
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	
Seminar work	7.0	0,5	100%	
Written exam	20			
Oral exam	0			
Practical work	8.0			
Attending classes i engagement in class	5.0			
Total				
Further clarification:				
<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:</p> <p>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:	selected chapters...			
Optional literature:				
Additional information about the course	Title: Additional News in the diagnosis, prevention and treatment of hemolytic disease diseases of the newborn Handbook 2019			

Annexes: calendar classes

<i>The number of teaching units</i>	TOPICS AND LITERATURE
I.	Title:
	Short description:
	Literature:
II.	Title:
	Short description:.
	Literature:
III.	Title:
	Short description:
	Literature:
IV.	Title:
	Short description:
	Literature:
V.	Title:
	Short description:
	Literature:
VI.	Title:
	Short description:
	Literature:
VII.	Title:
	Short description:
	Literature:
VIII.	Title:
	Short description:
	Literature:
IX.	Title:
	Short description:
	Literature:
X.	Title:
	Short description:
	Literature:
XI.	Title:
	Short description:
	Literature:
XII.	Title:
	Short description:
	Literature:
XIII.	Title:
	Short description:
	Literature: