



Table 2

3.2. Course description

Basic description		
Course coordinator	Prof.dr.sc.Sanja Balen	
Course title	Transfusion medicine	
Study programme	Nursing graduated study	
Course status		
Year	II	
ECTS credits and teaching	ECTS student 's workload coefficient	3,5
	Number of hours (L+E+S)	20L+15E+5S

1. COURSE DESCRIPTION

1.1. Course objectives

The objective of the Course is to provide students with the basic aspects of transfusion medicine - blood collection and production of blood components and plasma derivatives, immunohematologic and virology pretransfusion testing, clinical transfusion practice, immunohematologic diagnostics; the role of HLA typing in tissue and organ transplant, forensic medicine and diagnostics of certain diseases.

1.2. Course enrolment requirements: None

1.3. Expected course learning outcomes

Aquiring basic knowledge on blood donation principles; Directed transfusion principles, Autologous transfusion

- Clinical transfusion practice; Haemovigilance; Recognizing and treating transfusion reactions, particularly late and delayed; Interpretation and significance of laboratory result; Alternative to transfusion therapy with homologous blood

The acquired knowledge will enable to understand the importance of promoting the principles of a safe blood donor and directed transfusion, and the association between laboratory diagnostics, clinical practice and transfusion therapy.

1.4. Course content

Optimal, rational and efficient transfusion treatment includes the understanding of:

- basic principles of blood donation, blood collection and laboratory testing; production of blood components
- changes in blood during production and storage, blood in vivo and in vitro
- types and characteristics of blood products and plasma derivatives, and indications for use
- transfusion transmitted diseases
- erythrocyte blood group systems; clinical significance
- overview of other blood groups (leucocytes, platelets and serum blood groups and their clinical significance)
- laboratory pretransfusion testing
- risks and side-effects of transfusion therapy, surveyance of blood transfusion therapy (Hemovigilance)
- clinical transfusion practice: correct decision making on transfusion therapy, risk and efficacy assessment
- Alternative to transfusion therapy with homologous blood

1.5. Teaching methods

lectures

seminars and workshops

exercises

individual assignment

multimedia and network

laboratories



	<input type="checkbox"/> long distance education <input type="checkbox"/> fieldwork	<input type="checkbox"/> mentorship <input type="checkbox"/> other
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1.6. Comments

1.7. Student's obligations

To attend the course and active participation in it.

1.8. Evaluation of student's work

Course attendance	30%	Activity/Participation	30%	Seminar paper		Experimental work	
Written exam	15%	Oral exam	15%	Essay		Research	
Project		Sustained knowledge check	10%	Report		Practice	
Portfolio							

1.9.

1.10. Optional / additional reading (at the time of proposing study programme)

S.Balen. Osnove transfuzijske medicine. Medicinska naklada 2010.

D.Grgičević i sur. Transfuzijska medicina u kliničkoj praksi. Medicinska naklada 2006.

1.11. Number of assigned reading copies with regard to the number of students currently attending the course

Title	Number of copies	Number of students

1.12. Quality monitoring methods which ensure acquirement of output knowledge, skills and competences

1. Conducting student surveys and evaluation of the data: Upon completion of the course committee for managing and improving the quality of students conducted a survey on the quality of the teaching process and teachers who participated in the teaching of this subject more than 30%.

2) Analysis of the results achieved in tests. The written exam is conducted "multiple choice" test which is conducted after analysis of the quality of the test, or specific issues.



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