| 1. | Subject | **TRANSFUSIOLOGY** |
|---|---|---|
| 2. | Code | **OM 324** |
| 3. | Study program | **Undergraduate students** |
| 4. | Organizing Institution ( Unit, Institute, Chair, Department) | **Cathedra of Transfusiology** <br> **Institute of transfusion medicine, Skopje** |
| 5. | Educational degree (first or second cycle) | **Integrated cycle** |
| 6. | Academic year/semester | III year/ VI semester  Number of credits 2 |

| 8. | Teacher | **Prof. D-r Milenka Blagoevska** <br> **Ass. Prof. D-r Tatjana Makarovska Bojadzieva** |
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| 9. | Conditions | |
| 10. | Aims of study program: **Fundamentals of laboratory and clinical transfusiology** | |
| 11. | Contents of study program: <br><br> Theoretical course: **Blood donation, Immunohematology, Blood components, Clinical Transfusiology                        Laboratory diagnosis and treatment of thrombotic and hemorrhagic disorders.** <br> Practical: **Blood donation, Immunohematology, Blood components, Laboratory testing of thrombohemorrhagic disorders** | |
| 12. | Methods of study: **Lectures, Practical work, Seminar project** | |

| 13. | Total number of hours | **30 часови** | | |
|---|---|---|---|---|
| 14. | Distribution of activities | | | |
| 15. | Forms of activities | 15.1. | **Lectures** | 16 часа |
| | | 15.2. | **Practical work** <br> **Seminar project** | 14 часа <br> 4 часа |
| 16. | Other forms of activities | 16.1. | | |
| | | 16.2. | **Individual work** | **Seminar project** |
| | | 16.3. | | |
| 17. | Assesement | | | |
| 17.1 | Tests | | мин.-макс. | |
| | | **First exam** | 18-30 | |

| | | | **Final exam** | 20-36 |
|---|---|---|---|---|
| 17.2 | Seminarian project (oral presentation) | | | мин.-макс 4-8 |
| 17.3 | Active participation | | | мин.-макс. |
| | | | **Lectures** | 6-10 |
| | | | **Praxis** | 12-16 |

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| 18. | Knowledge assessment criteria: | Lectures | 6-10 |
| | | Practical work | 12-16 |
| | | Seminar project | 4-8 |
| | | First exam | 18-30 |
| | | Final exam | 20-36 |
| | | Total | 60-100 |
| 19. | Criteria for signature and exam | | **Presence of the students in theoretical and practical teaching. Oral presentation of the seminar project.** |
| 20. | Language | | **English** |
| 21. | Assessment of quality of teaching | | **Interactive participation of students in theoretical and practical teaching (case reports, problem solving-exams)** |
| 22. | Literature | Macedonian | | | |
| | | Obligatory literature | | | |
| | | | | | |
| | 22.1. | 1.Guide to the preparation, use and quality Assurance of Blood Components, Council of Europe, 2016 | | | |
| | | 2. Essential gide to Blood Groups, I.Bromilow, G.Daniels | | | |

| | | 3. An introduction to immunohematology<br><br>Book by Neville J. Bryant | | | |
|---|---|---|---|---|---|
| | 22.2. | | | | |
| | | 4. Technical Mannual,<br><br>AABB | | | |
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