


<b>University of Niš</b> <b>Faculty of Medicine</b>	<b>Study program:</b> <b>INTEGRATED ACADEMIC STUDIES OF MEDICINE</b> <b>ACCREDITATION 2018</b>	
<b>Course: Clinical microbiology</b>		
<b>Course head:</b> prof. dr Nataša Miladinović Tasić		
<b>Course status:</b>	Required	
<b>Semester:</b> VIII	<b>Study year:</b> IV	
<b>ECTS:</b> 4	<b>Course code:</b> M-III-32	
<b>Course purpose:</b>		
The course aims at providing students with the knowledge of: <ul style="list-style-type: none"> <li>▪ Possible causes of infectious diseases and clinical syndromes;</li> <li>▪ Pathogenesis of infectious diseases associated with particular causal agent types;</li> <li>▪ Microbiological methods necessary for differential diagnosis of infectious diseases and clinical syndromes</li> </ul>		
<b>Course outcome (knowledge, skills, attitudes)</b>		
The knowledge gained during the course will enable future doctors of medicine to: <ul style="list-style-type: none"> <li>▪ Recognise the possible cause of an infectious disease, aided by clinical manifestations;</li> <li>▪ Refer for appropriate microbiologic diagnosis depending on disease stage;</li> <li>▪ Properly interpret microbiological findings in particular phases of an infectious disease.</li> </ul>		
<b>Number of classes of active teaching: 45</b>		
<b>Lectures: 30</b>	<b>Practice: 15</b>	
<b>Course content</b>		
<u>Theoretical teaching</u>		
Bacterial, viral, parasitic, and fungal infections of the respiratory, digestive and urogenital tract, CNS, skin and soft tissue, eye, cardiovascular and locomotor system (etiology, pathogenesis, and microbiologic differential diagnosis). Etiopathogenesis of bacteriemia, fungemia, and sepsis. Perinatal infections caused by viruses, bacteria, and parasites (etiology, pathogenesis, and microbiologic differential diagnosis).		
<u>Practical teaching</u>		
Methods of differential diagnosis of bacterial, viral, parasitic, and fungal infections of various organ systems, organs, and tissues. Principles of selection of appropriate microbiologic diagnostic methods and interpretation of microbiology findings.		
<b>3. Seminars</b>		
	Seminar topics are formulated at the beginning of classes from the contents of practical teaching.	
<b>Recommended literature:</b>		
<ol style="list-style-type: none"> <li>1. Connie R. Mahon, Donald C. Lehman, George Tenover: Textbook of Diagnostic Microbiology, 5e. Elsevier Science. 2016.</li> <li>2. Gary W. Procop, Elmer W. Koneman: Koneman's Color Atlas and Textbook of Diagnostic Microbiology, 2016. LWW Lippincott Williams and Wilkins. 2016.</li> <li>3. Otašević Suzana, Miladinović Tasić Nataša, Aleksandar Tasić: Medicinska parazitologija sa CD-om, Medicinski fakultet, Niš, 2011.</li> <li>4. Švabić-Vlahović M. i sar: Medicinska bakteriologija, Savremena administracija, 2005.</li> <li>5. Krstić Lj: Medicinska virusologija, Štampa Čigoja, 2000.</li> <li>6. Kranjčić- Zec I. i sar: Medicinska parazitologija, Savremena administracija, 1993.</li> </ol>		
<b>Teaching methods:</b>		
<ul style="list-style-type: none"> <li>▪ Interactive theoretical and practical teaching</li> <li>▪ Consultations</li> <li>▪ Seminar papers</li> </ul>		
<b>Required previously passed exams:</b>		

- Microbiology
- Basics of immunology

**Grade (max. 100 points)**

**Pre-exam obligations**

- Attendance and activity at lectures: 0 – 15
- Activity at practice classes: 0 – 15
- Tests: 0 – 40

**Final exam**

- Written exam (test): 0 – 30