



Study program: Integrated Academic Studies in Pharmacy			
Course title: Pharmacotherapy of Infectious Diseases			
Teacher: Vesna S. Turkulov, Snežana V. Brkić, Radoslava Doder, Siniša Sević, Sandra Stefan Mikić, Nadica Kovačević, Tomislav Preveden, Slavica Tomić, Maja S. Ružić, Daniela T. Marić, Dajana Lendak			
Course status: elective			
ECTS Credits: 3			
Condition: General and Special Bacteriology and Parasitology; Pathophysiology; General pharmacology (exam)			
Course aim Introducing pharmacy students to the basics of pharmacotherapy of infectious diseases			
Expected outcome of the course: Adoption of necessary knowledge of the clinical picture of the most common infectious diseases as well as learning about adequate causal and symptomatic treatment of infectious diseases. Recognition of infectious diseases, side effects of treatment of certain diseases and drug interactions			
Course description <i>Theoretical education</i> 1. Interferons and viral infection 2. DAA treatment of hepatitis C 3. Therapeutic opportunities of hepatic encephalopathy 4. Immuno and vaccinal prophylaxis of viral hepatitis, cholesterosis 5. Probiotics and diarrheic syndrome 6. Antiviral therapy for transplant patients 7. Nucleoside analogues in the treatment of acute and chronic viral hepatitis 8. Therapeutic vaccination of chronic hepatitis B 9. The concept of reserve antibiotics and Severe bacterial infections - therapeutic approach 10. Antimalaric drugs 11. Treatment of infectious diseases in pregnancy and during lactation 12. Herpes viral infestions - prevention and therapy 13. Atypical pneumonias - therapeutic algorithms (genetic and acquired resistance to antibiotics) 14. Treatment of food poisoning and salmonellosis 15. Treatment of streptococcal infections 16. Treatment of Lyme disease 17. Meningococcal disease 18. Therapy of acute infections of the central nervous system (CNS) 19. Application of antibiotics in the treatment spondylodiscitis 20. Therapeutic approach to patients with tetanus 21. Therapy in flu-like syndrome and SARS 22. Therapy of antropozoonoses (anthrax, brucellosis, tularemia, maleus, plague) 23. Treatment of fungal infections in immunocompetent people 24. Treatment of HIV infection 25. Antiretroviral therapy 26. Therapeutic approach to patients with encephalitis 27. Treatment of Poliomyelitis and Rabies and botulism 28. Antituberculosis drugs - their application and the problem of resistance 29. Resistance (bacteria) to antimicrobial drugs and preventing and combating the spread of multiresistant strains in hospital environment 29. Models of monitoring the development of antimicrobial resistance and consumption of antimicrobial drugs <i>Practical education</i> 1. Treatment of infections caused by Clostridium difficile 2. Treatment of trichinellosis 3. Application of anti-viper serum 4. Vaccinal prophylaxis of infectious diseases 5. Application of serum in the prevention and treatment of infectious diseases 6. Therapeutic approach to obscure febrile states 7. Models of antimicrobial therapy introduction 8. Antimicrobial agents in the eco-system 9. Treatment of sepsis and septic shock 10. Treatment of Malaria			
Literature <i>Compulsory</i> 1. Mandell GL, Douglas RG, Bennett JE: Principles and practice of Infectious Diseases, 7th ed, Churcill Livingstone, Philadelphia, New York, US, 2010. <i>Additional</i> Recommended by lecturers during the course.			
Number of active classes		Theoretical classes: 30	Practical classes: 15
Teaching methods Lectures, practice			
Student activity assessment (maximally 100 points)			
Pre-exam activities	points	Final exam	points
Lectures	30	Written	55
Practices	15	Oral	
Colloquium		
Essay			

