

Study program: Integrated academic studies of Pharmacy				
Type and level of the study program: integrated academic studies				
Course title: ALTERNATIVE MEDICINES (PhIV-ALTM)				
Teachers: Budimka D. Novaković, Slobodan M. Mitrović, Svetlana S. Simić, Aleksandar Š. Kopitović, Neda S. Gavarić, Aleksandar V. Klačnja, Jelena N. Jovičić Bata				
Course status: elective				
ECTS Credits: 3				
Condition: General pharmacology; Pharmacognosy II				
Course aim The aim of the course is to provide students basic informations on alternative medicines that exist in the world, and their significance for conventional medicine and pharmacy. Students should learn about the most important alternative treatment methods and products that appear on the market, their active constituents, therapeutic doses, mechanisms of action of active constituents as well as side effects. In addition, students should gain insight into the legislation and the conditions for obtaining a license to perform professional practice.				
Expected outcome of the course: By attending this course, students should acquire knowledge of the existence of many alternative medicines and develop a realistic attitude about their place in modern medicine and pharmacy. Students should develop a critical attitude towards certain preparations and techniques of treatment and explain the advantages and disadvantages of their use. Students are expected to acquire the skills for objective reasoning of different alternative healing techniques and their role in the modern methods of medication, as well to gain skills to prepare specific products (homeopathic, aromatherapy, etc..) ..				
Course description <i>Theoretical education:</i> 1. Alternative medicines. Concepts and place in modern medication. 2. Legislation. 3. Homeopathy. General Principles and Practice. 4. Aromatherapy. General Principles and Practice. 5. Nutritherapy. General Principles and Practices. 6. Chiropractic. 7. Traditional Chinese medicine. Acupuncture. Reiki. 8. Ayurvedic traditional medicine. 9. Bach flower therapy. 10. Schüssler salts. 11. Iris Diagnostics. Su-Jok. 12. Balmotherapy and thalassotherapy. 13. Apitherapy. <i>Practical education (labs):</i> 1. General principles of preparation of homeopathic medicines. 2. Proper dosage of aromatherapy. 3. The choice of the active constituents in behove floral therapy. 4. Apitherapy.				
Literature <i>Compulsory</i> 1. Blumenthal R. The Complete German Commission E Monographs. American Botanical Council, Austin, 1999. 2. Capasso F, Gaginella TS, Grandolini G, Izzo AA. Phytotherapy A Quick Reference to Herbal Medicine. Springer, 2003. <i>Additional</i> 1. Heinrich M, Barnes J, Gibbons S, Williamson E. Fundamentals of Pharmacognosy and Phytotherapy. Churchill Livingstone, Edinburgh, London, 2004. 2. Bisset NG, Wichtl M. Herbal Drugs and Phytopharmaceuticals. CRC Press, Boca Raton, London, New York, Washington DC, 2001.				
Number of active classes				Other:
Lectures: 30	Practice: 15	Other types of teaching: -	Research related activities: -	-
Teaching methods 1. Theoretical education 2. Practical education (Practical classes, Seminars)				
Student activity assessment (maximally 100 points)				
Pre-exam activities	points	Final exam	points	
Lectures	15	Written	20	
Practices	15	Oral	30	
Colloquium	-			
Essay	20			