

(Table 5.2) Course unit description

Study program : Integrated Academic Studies Of Pharmacy			
Type and level of studies: Master of Pharmacy			
Course unit: Clinical Pharmacokinetics			
Teacher in charge : Assoc. Prof. Natasa Djordjevic			
Language of instruction: English			
ECTS: 5			
Prerequisites: General background in biology, biochemistry, physiology and pharmacology.			
Semester: Winter Semester			
Course unit objective: To explain processes of absorption, distribution metabolism, and excretion of drugs; to identify factors that affect pharmacokinetics of a drug; to promote integration of pharmacokinetic knowledge into clinical practice.			
Learning outcomes of Course unit: The student should understand and be able to apply basic clinical pharmacokinetic principles in developing rational therapeutic plan for a specific patient.			
Course unit contents			
<i>Theoretical classes:</i> Basic principles of absorption, distribution metabolism, and excretion of drugs; Therapeutic drug monitoring; Pharmacogenetics; Pharmacokinetics drug interactions; Pharmacokinetics in pregnancy, lactation, children and elderly			
<i>Practical classes:</i> Problem based learning examples			
Literature			
1. Atkinson AJ, Abernethy DR, Daniels CE, Dedrick RL, Markey SP. <i>Principles of clinical pharmacology</i> . Burlington, MA: Elsevier Inc; 2007. p.545.			
2. Gibaldi M, Perrier D. <i>Pharmacokinetics</i> . New York: Informa Healthcare USA, Inc; 2007.			
3. Murphy JE, ed. <i>Clinical pharmacokinetics</i> . Bethesda: American Society of Health-System Pharmacists; 2005.			
4. DiPiro JT, Spruill WJ, Wade WE, Blouin RA, Pruemer JM. <i>Concepts in clinical pharmacokinetics</i> . Bethesda: American Society of Health-System Pharmacists; 2005.			
Number of active teaching hours			Other classes
Lectures: 5	Practice: 5	Other forms of classes: Mentoring: 5	
		Independent work: 30	
Teaching methods			
Lecture, Discussion, Problem solving, Cooperative learning			
Examination methods (maximum 100 points)			
Exam prerequisites	No. of points:	Final exam	No. of points:
Student's activity during lectures	10	oral examination	35
practical classes/tests	10	written examination	35
Seminars/homework	10	
Project			
Other			
Grading system			
Grade	No. of points	Description	
10	95-100	Excellent	
9	85-94	Exceptionally good	
8	75-84	Very good	
7	65-74	Good	
6	55-64	Passing	
5	0-54	Failing	