

Study program: Integrated Academic St	udies in Pharmacy			
Course title: Drug Stability				
Teacher: Jelena M. Cvejić, Milica T. Atan	acković Krstonošić, Mira P.	Mikulić		
Course status: Compulsory				
ECTS Credits: 2				
Condition: Pharmaceutical technology I				
Course aim				
Main goals of Drug Stability course a referring to capacity of drug substances life, using retesting methods.		_		-
Expected outcome of the course:				
Analyzing of drug substance and drug p procedures of stability verification and i Application of knowledge into the practi	ts relevance, in order to lea	rn how to design and	l implement relevant drug st	
Course description				
Theoretical education				
 Critical elements of stability pro Chemical stability of drug subst Physical stability of drug substances Stabilization of drug substances Stability of dosed forms Development of stability-indica Nonchromatographic methods Routine and development stud 	ances ances s ating method in stability studies			
 Practical education 1. WHO and ICH guidelines; Q1A, 2. Stability report 3. The effect of pH on the stability 4. Stability testing of pharmaceuti 5. Stability testing of pharmaceuti 6. Comparison of the stability of t 7. Performing of the stability stud 	y of the drug in solution ical preparations using UV / ical preparations using HPLC he tablet before and after e	TLC		
Literature				
 Compulsory Yoshioka S, Stella VJ. Stability of dr Additional Carstensen JT, Rhodes CT. Drug Stal Huynh-Ba H. Handbook of stability to Xu QA, Trissel LA. Stability-indicatin 	bility, Revised, and Expande testing in pharmaceutical de	d: Principles and Pra evelopment. Springer	ctices. 3rd ed. CRC Press 200	0.
Number of active classes		Theoretical classes: 30 Practical classes: 30		
Teaching methods Lectures, laboratory work.				
Student activity assessment (maximally		· · ·		
Pre-exam activities	points	Final exam		points
Lectures	10	Written		70
Practices Colloquium	20	Oral		