Course title	Pharmacology and dietary pharmacotherapy with assessment of drug-nutrient interactions
Lecturer	Determined later
Lecturer's email address	
Hours	30
ECTS	5
Academic year	2020/2021
Semester	winter/summer
Content	1. The basic aspects of LADME processes: liberation, absorption, distribution, metabolism and excretion. 2. Types of drug and nutrition interactions (pharmacokinetic and pharmacodynamic). 3. The nutrient influence on drug therapeutic effect. 4. The drug influence on nutrient bioavailability and metabolism. 5. Indirect drug effect on state of nutrition (changes in body weight, drug-induced failures of functioning digestive tract). 6. Interaction between dietary supplements and drugs. 7. Alcohol and tabacco smoke interactions with medications. 8. Specific principles of geriatric, pregnancy and lactation pharmacotherapy. 9. Prevention of food-drug interactions with special emphasis on elderly people. 10. The role of dieteticians in educating patients to reduce drug-food interactions. 11. Drugs used in gastrointestinal diseases, during preganancy and lactation
Learning outcomes	At the end of the course the learner is expected to be able to: 1. Explain the basic knowledge about pharmacokinetic

	and pharmacodynamics, drug-nutrient interactions and information about pharmacotherapy of gastrointestinal diseases, specific therapy of elderly people, women during pregnancy and lactation 2. Evaluate the influence of nutrients on drug therapeutic efficacy and influence of drug on nutrient status. 3. Use basic knowledge of pharmacology to evaluate implications drug-nutrient interactions for dieteticians practice and patients at risk.
Selected literature	- publications from the pubmed database - Katzung BG. Basic and Clinical Pharmacology 13e (Int'l Ed). McGraw-Hill Medical 2015 - Boulatta JI. Handbook od drug-nutrient interactions. Humana Press 2010
Teaching tools/methods	1) Lectures 2) Seminary discussion 3) Revision of material
Form of examination	Test of knowledge