



Course title	Pharmacology and dietary pharmacotherapy with assessment of drug-nutrient interactions	Instructor	Determined later
		Instructor's email address	
Semester	1 <input checked="" type="checkbox"/> 2 <input checked="" type="checkbox"/>	ECTS credits	5/3
Academic year	2019/2020	Contact hours	15 <input type="checkbox"/> 30 <input checked="" type="checkbox"/>
Level	1-Bachelor <input checked="" type="checkbox"/> 2 - Master <input type="checkbox"/>	Language of instruction	English

Learning outcomes and competences
<p>At the end of the course the learner is expected to be able to:</p> <ol style="list-style-type: none"> 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 dietitians practice and patients at risk.

Course contents
<ol style="list-style-type: none"> 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 tobacco 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 dietitians in educating patients to reduce drug-food interactions. 11. Drugs used in gastrointestinal diseases, during pregnancy and lactation.



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Recommended reading

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| <ol style="list-style-type: none">1. Katzung BG. Basic and Clinical Pharmacology 13e (Int'l Ed). McGraw-Hill Medical 20152. Boulatta JI. Handbook od drug-nutrient interactions. Humana Press 2010. |
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Teaching and learning methods

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| <ol style="list-style-type: none">1) Students presentations2) Seminary discussion3) Test assessment |
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Assessments methods

Test of knowledge
