

Course title	Pharmacology and dietary pharmacotherapy with assessment of drug-nutrient interactions
Component code	04-09
Lecturer	Determined later
Lecturer's email address	
Hours	30
ECTS	5
Semester	Winter
Content	<p>The basic aspects of LADME processes: liberation, absorption, distribution, metabolism and excretion.</p> <p>Types of drug and nutrition interactions (pharmacokinetic and pharmacodynamic).</p> <p>The nutrient influence on drug therapeutic effect.</p> <p>The drug influence on nutrient bioavailability and metabolism.</p> <p>Indirect drug effect on state of nutrition (changes in body weight, drug-induced failures of functioning digestive tract).</p> <p>Interaction between dietary supplements and drugs.</p> <p>Alcohol and tobacco smoke interactions with medications.</p> <p>Specific principles of geriatric, pregnancy and lactation pharmacotherapy.</p> <p>Prevention of food-drug interactions with special emphasis on elderly people.</p> <p>The role of dietiticians in educating patients to reduce drug-food interactions.</p> <p>Drugs used in gastrointestinal diseases, during pregnancy and lactation.</p>
Learning outcomes	<p>At the end of the course the learner is expected to be able to:</p> <p>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</p> <p>Evaluate the influence of nutrients on drug therapeutic efficacy and influence of drug on nutrient status.</p> <p>Use basic knowledge of pharmacology to evaluate implications drug-nutrient interactions for dietiticians practice and patients at risk.</p>
Selected literature	<ul style="list-style-type: none"> - publications from the pubmed database - Katzung BG. Basic and Clinical Pharmacology 13e (Int'l Ed).

	<p>McGraw-Hill Medical 2015</p> <p>- Boulatta JI. Handbook od drug-nutrient interactions. Humana Press 2010</p>
Teaching tools/method	<p>Lectures</p> <p>Seminary discussion</p> <p>Revision of material</p>
Form of examination	Test of knowledge