

GENERAL INFORMATION		
Course name	Allergology	
Course director	Prof. Jasminka Milas-Ahić, MD, PhD	
Assistants	Assoc. Prof. Martina Mihalj, MD, PhD	
Study program	Integrated undergraduate and graduate university study program Medical Studies in German	
Course status	Mandatory	
Year of study, semester	5 th year, 10 th semester	
Credits allocated and form of instruction	ECTS student workload	1
	Number of teaching hours (L+S+E)	15 (5+5+5)
COURSE DESCRIPTION		
Course objectives		
The acquisition of specific knowledge and skills in the field of allergology, including basic immune mechanisms behind allergic diseases, clinical presentation of allergic diseases and immune diagnosis and treatment of allergic diseases.		
Course requirements		
There are no specific requirements for this course except those defined in the study program curriculum.		
Learning outcomes at the Programme level		
1.1., 2.1., 3.5., 4.2.		
Expected learning outcomes (5-10 learning outcomes)		
Knowledge		
<ol style="list-style-type: none"> List and describe immune mechanisms behind allergic diseases (4 types of hypersensitivity reaction, cell and cytokine role) Describe leading symptoms and signs of different types of allergic disease (respiratory, skin, digestive) Diagnostic procedures for detection of allergic diseases (RIST, RAST, PRICK, patch test, elimination diet, leukocyte histamine release test, serology) Therapeutic options for treating different types of allergic diseases New scientific knowledge regarding etiology and treatment of allergic diseases 		
Skills		
<ol style="list-style-type: none"> Performing PRICK and patch test Interpretation of results obtained by diagnostic methods 		
Course content		
<p><i>The immunological basis for allergic diseases.</i> Hypersensitivity types, antigens, the role of cytokines and leukocytes in the development of allergic diseases. <i>Clinical presentation of allergic diseases.</i> Allergic diseases of the upper respiratory tract – asthma, allergic rhinoconjunctivitis, allergy to nutrition allergens and differential diagnosis compared to other food intolerance, skin allergy reactions – atopic dermatitis, contact allergic dermatitis, urticaria, angioedema, hereditary angioedema, generalized type of allergic reactions – anaphylaxis, insect bites, mastocytosis, characteristics of allergic diseases in children. <i>Diagnostics in allergology.</i> Total and specific IgE (RIST, RAST), PRICK test, patch test, elimination diet, leukocyte histamine release test, provocation tests. <i>Treatment of allergic diseases.</i> Symptomatic drug therapy, hyposensitization, specific immunotherapy (SIT) and sublingual immunotherapy (SLIT), diet in specific food hypersensitivity, anaphylactic reaction therapy</p>		

Form of instruction		<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input type="checkbox"/> distance learning <input type="checkbox"/> field course	<input type="checkbox"/> individual assignments <input type="checkbox"/> multimedia and internet <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring activities <input type="checkbox"/> other	
Student obligations				
Come to class prepared by studying the recommended literature for each unit and actively participate in all forms of instruction. The student must participate in at least 70% of classes to pass the course.				
Monitoring student learning				
Attendance	x	Active participation	Seminar paper	Experimental work
Written exam	x	Oral exam	Essay	Research
Project		Continuous assessment	Paper	Practical work
Portfolio				
Assessment and evaluation of students during class and on the final exam				
Students' performance will be evaluated during class and on the final exam. Students are evaluated numerically and descriptively (insufficient (1), sufficient (2), good (3), very good (4), excellent (5)). During classes, a student can earn a maximum of 100 points. Students can earn a maximum of 20 points during classes through different types of activities. On the final exam, students can earn a maximum of 80 points. The final grade represents the sum of the points earned during classes and on the final exam.				
Mandatory reading (at the time of submission of study program proposal)				
1. Biedermann T, Heppt W. Allergologie. Springer; Auflage: 2: 2016				
Additional reading (at the time of submission of study program proposal)				
1. Trautmann A, Kleine-Tebbe J. Allergologie in Klinik und Praxis: Allergene - Diagnostik – Therapie. Thieme Georg Verlag; Auflage: 3. vollständig überarbeitete Auflage: 2017				
The number of copies of mandatory reading in proportion to the number of students currently taking this course				
<i>Title</i>	<i>Number of copies</i>		<i>Number of students</i>	
Biedermann T, Heppt W. Allergologie. Springer; Auflage: 2: 2016	A purchased license for online textbooks shall be used https://bfdproxy48.bfd-online.de/login.htm?back=http%3a%2f%2fpartner.bfd-online.info/bfdproxy48.bfd-online.de%2fameos%2fbfdAboGateway%3fabold%3d264117 Access will be granted to all students enrolled in the study program			
Quality monitoring methods ensuring the acquisition of knowledge upon completion, skills and competences				
The quality of course performance is monitored through an anonymous student survey on the quality of the organization and conduction of classes, the course content and the work of professors. The usefulness of the lectures from the students' perspective, the curriculum content, the professor preparedness, the clarity of the presentation, the amount of new content and the quality of the presentation are evaluated. The curriculum and its execution are administratively compared. The participation of students in lectures and exercises, as well as the excuses for missing classes, are controlled and analyzed.				