MED 4011- Rheumatology

Course Name	Code	Semester	Type of course	Theory (hours)	Work in Group (hours)	ECTS
Rheumatology	MED 4011	VII	Elective	6	20	2
Faculty, the educational program and education level	Faculty of Medicine, one-cycle Educational Program "Medicine"					
Author (s)	**Neriman Tsintsadze** - Assoc. Professor, MD, PhD Mobile phone: 599 17 01 88; E-mail: dr.neriman@mail.ru Consultation day: individually					
Educational course format	Lecture Clinic Duty					
Educational course loading	**Total:** 60 Hours **Contact hours**: 30 h, among them 1. Lecture – 6 h 2. Practical work – 20 h 3. Midterms – 2 h 4. Final exam -2 h **Independent work** – 30 h					
Prerequisites	MED 2003, MED 2005					
The purpose (s) of tutorial course/modules	The student should acquire and apply competencies composed of knowledge, skills and attitudes in the field of rheumatology clinical picture, diagnostics and treatment.					
Teaching methods	**Lecture - Face-to-Face -** Lecture notes and readings **Problem-based learning** – new knoledge is in complience with the theme – problem and their dissolving methods **Explanation method** – during the lecture and the answers to questions and explanations of topic issued by students should be resolved **Curation** – is used the following methods: **Discussion/ debates** – questions and answers, answers analysis supported with visual aids; Brain-storm – all possible alternative points of view is discussed and used the creative way of problems decision. İt is fixed the personal opinion, critisize and exclude it, the criteriase is choosen and the question is dissolved. **Practically oriented learning** – it is important to demonstrate the thematical pacients, and interpretation the theoretical materials bu means of practical cases **Analyses and synthesis** of different medical cases; in order to dissolve the complex problem student					

	splits it into the simple parts and thinks around them separetely. After it student describe the problem as the union part of organizm. **Work with additional literature –**independent work with additional literature to deep knowledge about new achievement in this field of area.
Assessment criteria	**Maximum score- 100,** that includes: **Midterm assessment -60 scores:** - Activity on curation -30 scores - Attendance in lecture - 5 scores; - Duty in hospital duty (one duty) – 5 scores; - Synopsis preparation and presentation – 10 scores; **Midterm Exam – 20 scores** **Activity on curation –** 30 scores. The currect activity of the student is evaluated by 5 scores system. Each student is assessed miimum to the third part of the total. By the end of the semester the activity score is calculated as arithmetical average multipuls on coefficient. **Assessment 0 – 5 are Assessed Based on the Following Criteria:** **5 points** - Student has been able to present complete and thorough knowledge of the epidemiology, etiopathogenesis, clinical picture of methods of diagnostic, develop the plan of treatment by using both medicamental and non-medicamental methods, have possibility to describe the comprehensiveness of the problem as the essential part of the organism. Student has the additional information regarding the problem which was obtained individually. **4 points** – student has deep knowledge of the epidemiology, etiopathogenesis and clinical pictures of diagnostic methods, has able to develop the appropriate treatment plan, by using the medicamental and non-medicamental methods, has possibility to describe the comprehensiveness of the problem as the essential part of the organism **3 points** – student has the basic information the epidemiology, etiopathogenesis, clinical picture of methods of diagnostic, develop the plan of treatment **2 points** - student has the basic information the epidemiology, etiopathogenesis, clinical picture of methods of diagnostic, develop the plan of treatment. Student has no knowledge of subquestion **1 point** – student has slight knowledge of the epidemiology, etiopathogenesis, clinical picture of methods of diagnostic, develop the plan of treatment. Student has no knowledge of subquestion **0 point**: Student demonstrates not even elementary knowledge of the topics **Midterm exam** is a test (multiple choice) that contains 40 questions, each rated 0.5p. The student is allowed to pass the final exam, if he accumulates not less than 11 points for the mid-term evaluations (considering that he will get the maximum score at the final exam). **Final exam - 40 scores** Final exam is a combination of tests -30 scores (the test includes 60 closed questions, each one rates 0.5 scores) and the evaluation of clinical skills-max. 10 scores. The final exam is considered to be passed if the student accumulates at least **70% or more** out of the maximum assessment of the exam (40X70/100=28 scores). Credit will be awarded if the student accumulates at least 51 scores out of 100 scores; The students' assessment has to be done in the following way: **Positive rate:** (A) Excellent- 91 or more points;

	(B) Very Good- 81-90 points; (C) Good- 71-80 points; (D) Satisfactory- 61-70 point; (E) Enough- 51-60 points; **Negative rate:** (FX) Failure - 41-50 points, which means that a student needs to work more and an independent and considerable further work is required to pass the exam once again to be re-awarded; (F) Fail - 40 points or less, which means that the student's diligence is not sufficient and student has to learn the subject all over again. The student can pass the additional exam during the same semester. The time interval between the final and additional exams should be not less than 10 days. The student can pass the additional exam during the same semester. The time interval between the final and additional exams should be not less than 10 days.
The basic literature	1. KV Krishna Das . **Textbook of Medicine (Volume I-II).** 2004. IV. P 537. (Code/Number CS 010-003; CS 010-004)
The auxiliary literature	1. Joyce P. Doyle, Laura J. Martin. **Ambulatory Medicine Case Book.** 2001. P 609. (Code/Number-CS 010-006) 2. Maxine A. Papadakis, Stephen J. Mcphee Assoc. aditor: Michael W. Rabow. **Current Medical Diagnosis & Treatment.** 2014. P 1839. (Code/Number CS 010-007)

The tutorial/training course content

#	Subjects	Theory	Practice
1.	**Rheumatoid arthritis. Juvenile rheumatoid arthritis**-classification, epidemiology, Etiopathogenesis, clinic, diagnosis and treatment principles.	1	3
2.	**Systemic scleroderma** - classification, epidemiology, Etiopathogenesis, clinic, diagnosis and treatment principles.	1	3
3.	**Systemic lupus**-classification, epidemiology, Etiopathogenesis, clinic, diagnosis and treatment principles.	1	3
	Mid-term exam		2
4.	**Dermatomyozitis. Polimyoziti**- classification, epidemiology, Etiopathogenesis, clinic, diagnosis and treatment principles.	1	3
5.	**Ankylosing spondylitis (Bechterew's disease) -** classification, epidemiology, epidemiology, Etiopathogenesis, clinic, diagnosis and treatment principles.	1	3
6.	**Osteoarthritis. Deforming osteoarthritis. Coxarthrosis. Osteoporosis.** - Classification, epidemiology, Etiopathogenesis, clinic, diagnosis and treatment principles.	1	5
	Final exam		2

Learning Outcomes

Criteria	Competences
Knowledge and understanding	At the end of the learning course student will have the deep and comprehensive knowledge of the following questions: - Reumatological based Epidemiology of nozologies, ethiopathogenesis, clinic, principles of diagnostics and treatment; - The ways of problems desicion and has creative and original ideas
Applying knowledge	Student will be able to: - collect medical history of the patient, provide his/her physical examination, and develop the diseases diagnos and treatment method; - evaluate potential risks and beneficiaries of the choosen treatment method - has ability to use in medical practice and biomedical researches principles, methods and knowledge apply
Making Jugdments	Based on the applied deep knowledge the student will be able to: - develop the appropriate diagnostic and treatment scheme; - provide critical analyse of different contradictionary data
Communication Skills	Student will be able: - communicate in the medical aspect as in written and verbal forms; examine, listen to, ask questions and also provide non-verbal communications
Learning ability	Student will be able use the full spectrum of learning-information resources, manage his own learning process, student will have ability to organize time, choose the priorities, time limitations and perform the coordination work. Student will be able to find the needed information from the different sources, proceed them and critically evaluate.
Values	Student will be able to use the ethical and legislative principles in the medical practice, protect the confidentiality, keep the patient's rights, during the communication with the patients and colleges is rules by the justice, social and democracy values.