Faculty of Medicine / MEDICINE / HYGIENE AND OCCUPATIONAL MEDICINE

Course:	HYGIENE AND OCCUPATIONAL MEDICINE			
Course ID	**Course status**	**Semester**	**ECTS credits**	**Lessons** (Lessons+Exercises+Laboratory)
6716	Mandatory	11	6.5	2.77+4+0
Programs	MEDICINE			
Prerequisites	According to Regulation for studing, Medical Faculty Podgorica, University of Montentegro			
Aims	Occupational medicine: introducing with health and safety at work of the working, with special health promotion and prevention of illnesses and injuries at work, conduction of hazards at workplace with health effects, dealing with basic criteria of temporary and continuous work ability assessment.			
Learning outcomes	After finishing one-semestral course and passing exam in Hygiene, student of medicine should possess the following learning outcomes: 1. The student will know how to use food as a cure and to prevent health risks related to food. 2. The student will know how to use air, water and soil as cures and to prevent health risks related to air, water and soil. 3. The student will know how to protect human soul from disease and to strenghten it. 4. The student will know how to use motion as a cure and to protect health from immobility. 5. The student will know how to use school environment to promote health and to prevent health risks from it. Medicina rada – Occupational medicine: 1.Knows the significance of health care of working population and healthy and secure workplace. 2.Recognizes threats and risks on workplaces. 3.Interprets the principles of temporary and permanent estimation of working ability when it comes to illnesses and injuries. 4.Recognizes, reports and leads injury at work and professional disease.			
Lecturer / Teaching assistant				
Methodology	Lectures, discussions, seminars, training skills, individual homework's realization.			
Plan and program of work				
Preparing week	Preparation and registration of the semester			
I week lectures	Principles of Medical Ecology			
I week exercises				
II week lectures	Environmental Noise and Health			
II week exercises	Environmental Noise			
III week lectures	Air Pollution and Health			
III week exercises	Air Pollution			
IV week lectures	Drinking Water and Health			
IV week exercises	Drinking Water			
V week lectures	Housing and Health, Soil and Health, Waste Materials and Health			
V week exercises	Indoor Clymate, Light, Dust			
VI week lectures	Nutrition and Health			
VI week exercises	Nutrition			
VII week lectures	School Hygiene			
VII week exercises	School Hygiene			
VIII week lectures	Physical Activity and Health, Personal Hygiene			
VIII week exercises	School Hygiene			
IX week lectures	Disinfection, Disinsection and Rodent Control			
IX week exercises	Disinfection and Sterilization			
X week lectures	Hygiene in Disasters			
X week exercises	Radiological, Chemical and Biological Protection			
XI week lectures	Introduction to occupational health: history, sub disciplines, goals, tasks. Health at work and workers health: ILO and ICOH approach. Occupational ecology: prof. exposition, hazards and risks. Preventive measures and strategies for safety and health at			
XI week exercises	Taking medical history, occ. med. approach. Risk assessment at workplace.			

XII week lectures	Ergonomic hazards and health outcomes. Musculoskeletal disorders and work. Professional diseases, work related diseases, and injuries at work. Prof. diseases due to physical agents. Health consequences of noise exposure and vibrations.
XII week exercises	Functional diagnostics in occupational health. Professional diseases, recording.
XIII week lectures	Ionizing and nonionizing radiation. Radiological protection at work. Professional diseases due to the chemical hazards I: prof. toxicology of metals. Injuries in the Workplace. Disability and rehabilitation (WHO TEACH-VIP2 curriculum).
XIII week exercises	Injuries at work form report. Injury and violence prevention and control strategies. Introduction to rehabilitation for disable for work (WHO TEACH-VIP2 curriculum).
XIV week lectures	Professional diseases due to chemical hazerds II: non-metals, gases, organic solvents, pesticides, plastics.Professional diseases due to biological hazerds. HCW as a patient. Work related diseases. Work ability assessment principle at mass noninfectious d
XIV week exercises	Assessment of temporary work disability.
XV week lectures	Professional pulmology. Professionalna asthma, COPD, prof. TB. Health and safety at work promotion. Salutogenesis. Ethical issues in occupational health. Medicolegal approach of health at work.
XV week exercises	Assessment of continual work ability. Referral to disability – pension committee form.
Student workload	Hygiene: /weekly/: lectures 1,33; seminars 1,33; practical training 1,33 Occupational medicine (weekly): lectures 3, seminars 0.8, trainings 2.2, independent work and consultations. Occupational medicine: (during semester): 30 h total lectures 15 seminars 4 training hours 1

Per week	**Per semester**
6.5 credits x 40/30=8 hours and 40 minuts 2 sat(a) theoretical classes 0 sat(a) practical classes 4 excercises **1 hour(s) i 53.8 minuts** of independent work, including consultations	Classes and final exam: **8 hour(s) i 40 minuts x 16 =138 hour(s) i 40 minuts** Necessary preparation before the beginning of the semester (administration, registration, certification): **8 hour(s) i 40 minuts x 2 =17 hour(s) i 20 minuts** Total workload for the subject: **6.5 x 30=195 hour(s)** Additional work for exam preparation in the preparing exam period, including taking the remedial exam from 0 to 30 hours (remaining time from the first two items to the total load for the item) **39 hour(s) i 0 minuts** Workload structure: **138 hour(s) i 40 minuts (cources), 17 hour(s) i 20 minuts (preparation), 39 hour(s) i 0 minuts (additional work)**
Student obligations	Hygiene: attendance, seminar preparation and presentation,qolloquium, exam (practical and oral) Occupational medicine: attendance to lectures, trainings, one seminar at least, two tests (exam) and final exam (practical and oral as well).
Consultations	Hygiene: permanantly by e-mail Occupational medicine: from 10. to 15. week one hour after the lectures, no limits by email.
Literature	Hygiene: Belojević G. Higijena. Univerzitet Crne Gore, 2013 Vasiljević N. Praktikum iz higijene sa medicinskom ekologijom, Libri Medicorum, Medicisnki fakultet Univerziteta u Beogradu, 2014. Occupational medicine: Osnovi medicina rada (Vidaković), Medic
Examination methods	Hygiene: Attendance (5-10); Engagement (5-10); Seminar (10-15) Qolloquium (10-15); Final Exam (21-50) Occupational medicine: two tests are mandatory (13. and 15. week), two opportunities for each. To enter the marks a student must pass both tests and f
Special remarks	Student specifically rated for subject of Hygiene Occupational Medicine. The final score is calculated by the following formula: (Hygiene x 0.67 + Occupational medicine x 0.33). Završni broj bodova se izračunava po formuli: (Higijena x 0.67 + Medicina
Comment	

Grade:	F	E	D	C	B	A
Number of points	less than 50 points	greater than or equal to 50 points and less than 60 points	greater than or equal to 60 points and less than 70 points	greater than or equal to 70 points and less than 80 points	greater than or equal to 80 points and less than 90 points	greater than or equal to 90 points