


University of Niš Faculty of Medicine	Study program: INTEGRATED ACADEMIC STUDIES OF MEDICINE <i>ACCREDITATION 2018</i>													
Course: Occupational medicine														
Course head: prof. dr Jovica M. Jovanović														
Course status:	Required													
Semester: X	Study year: V													
ECTS: 2	Course code: M-V-41													
Course purpose::														
Acquisition of knowledge in the fields of health care of professionally active population and occupational health, aiming to improve and preserve the health of employees, and to improve the working conditions in order to prevent occupational injuries and diseases, diseases related to profession, and to remove occupational risks.														
Course outcome: (knowledge, skills, attitudes)														
Students should be able to recognize timely occupational diseases and injuries, as well as health disorders as the consequence of harmful agents in the work place, inadequate professional selection and orientation, and inadequate quality of life. Students should demonstrate knowledge of the measures of prevention of the above phenomena and appropriate measures to be undertaken if the damage has already occurred. Students should recognize the importance of occupational health promotion. Students should be able to assess temporary inability for work and demonstrate knowledge of the procedures related to final assessment of professional ability, as well as the codes of ethics they should abide by in such work.														
Number of classes of active teaching: 30														
Lectures: 15	Practice: 11	OFT: 4												
Course content														
<u>Theory</u>														
Ethics in occupational medicine. Professional selection and orientation. Physiology of work and ergonomics. Quality of life of professionally active population. Tiredness and exhaustion. Occupational stress. Workplace violence. Mobbing. Occupational injuries caused by physical noxae. Occupational diseases caused by chemical noxae. Occupational diseases of the respiratory system. Occupational diseases of the skin. Occupational malignant diseases. Occupational diseases of the locomotor apparatus. Occupational diseases caused by biological agents. Occupational allergic diseases and disorders of the immune system. Occupational traumas, traffic traumas. Work-related diseases. Evaluation of occupational risks. Information system and international standards in occupational medicine. Management program in occupational medicine. Promotion of occupational health. Evaluation of ability to work.														
<u>Practice</u>														
Methods and procedures of examination of individuals occupationally exposed to biological, chemical, physical and other noxae. Criteria for the verification of occupational diseases and evaluation of ability to work. Assessment of physical abilities of employees. Ethical codes of medical doctors. Team work in the procedure of professional selection and orientation. Assessment of ability to work (temporary, permanent) and ability to drive. Assessment of function of the cardiovascular, respiratory, hematopoietic system in order to evaluate ability to work. Workplace analysis - workplace file/record. Methodology used in the assessment of occupational risks. Report of occupational injury.														
<table border="1" style="width: 100%;"> <tr> <th colspan="2" style="text-align: left;">3. OFT</th> </tr> <tr> <td style="width: 5%;">1.</td> <td>Evaluation of morphological and functional status of the cardiovascular system of workers</td> </tr> <tr> <td>2.</td> <td>Harmful effects of noise and criteria for establishing the presence of occupational disease</td> </tr> <tr> <td>3.</td> <td>Occupational and traffic injuries</td> </tr> <tr> <td>4.</td> <td>Ethical code of doctors in occupational medicine in the assessment of abilities to work and drive</td> </tr> <tr> <td>5.</td> <td>Ukupno časova:</td> </tr> </table>			3. OFT		1.	Evaluation of morphological and functional status of the cardiovascular system of workers	2.	Harmful effects of noise and criteria for establishing the presence of occupational disease	3.	Occupational and traffic injuries	4.	Ethical code of doctors in occupational medicine in the assessment of abilities to work and drive	5.	Ukupno časova:
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Recommended literature:
<ol style="list-style-type: none"> 1. M. Arandžević, J. Jovanović. Lectures iz medicina rada prema usvojenom planu i programu osnovnih studija (elektronski oblik). Materijal dostupan studentima. 2006. 2. J. Jovanović: Profesionalni traumatizam, Medicinski fakultet Niš 2006. 3. J. Jovanović, Arandžević M. Praktikum iz medicine rada. Medicinski fakultet Niš 1998.
Teaching methods:
<ul style="list-style-type: none"> ▪ Interactive theoretical and practical teaching ▪ Consultations ▪ Seminar papers
Required previously passed exams:
Internal medicine
Grade (max. 100 points)
Pre-exam obligations
<ul style="list-style-type: none"> ▪ Attendance and activity at lectures: 0 – 10 points ▪ Activity at practice classes: 0 – 20 points ▪ Seminar papers: 0 – 10 points ▪ Tests: 0 – 30 points
Final exam
<ul style="list-style-type: none"> ▪ Practical exam: 0 – 10 points ▪ Oral exam: 0 – 20 points