**Course Syllabus**

Academic year: 2018-2019

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| Institution | University of Petroşani |
| Faculty | of Mines |
| Field of study | Industrial Engineering |
| Level | Bachelor |
| Program of study | Safety Engineering in Industry |

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| Course | **Elements of occupational medicine** |
| Code | IDISSO812 |
| Year of study (semester) | IV (VIII) |
| Number of hours | 30 |
| Number of credits | 3 |
| Professor | Lecturer. Ph.D. POPESCU-STELEA Mihai |

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| **No.** | **Topic** |
|  | General notions (work and working conditions, health status) |
|  | Professional respiratory pathology (pneumoconiosis, silicosis, silico-tuberculosis, coal mining pneumoconiosis, asbestos pathology, respiratory allergic respiratory diseases) |
|  | Occupational toxicology (professional intoxication with heavy metals, professional intoxication with organic solvents, professional poisoning with pesticides, professional poisoning with hydrogen cyanide, first aid in acute professional intoxications) |
|  | Professional pathology caused by physical noxes (professional microclimate - effects of hot / cold microclimate, workplace lighting - assessment, impact on health, prophylaxis, occupational exposure to noise, occupational diseases due to vibrations, electromagnetic radiation, atmospheric pressure) |
|  | Occupational diseases through biological agents (classification, animal welfare, personnel in sectors directly or indirectly transmitting infectious diseases) |
|  | Occupational diseases with multiple etiologic agents (professional allergic rhinitis, professional bronchial asthma, professional bronchitis, occupational dermatoses, occupational cancer) |