**DESCRIPTION OF A STUDY COURSE – SYLLABUS**

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| **Title of a course** | **Human factors in safety** | | | | |
| **Study programme** | **Professional undergraduate study Occupational Safety** | | | | |
| **Status of a course** | Obligatory | | | | |
| **Year of study** | 1. | **Semester** | S | **ECTS credits** | 4 |
| **Teaching plan**  **(L + E + S+ Pr)** | 2+0+1+0 | | | | |
| **Goals of a course** | | | | | |
| The aim of the course is to contribute to a better knowledge of the human factor in the occurrence of accidents at work, why and how accidents occur, to whom accidents occur, how to monitor accidents, how to improve employee safety and to sensitize students to work safely. To emphasize the importance of behavioural approach in the analysis of accidents at work, to get acquainted with the psychophysiological bases of a person's work activity, the social framework of its occurrence and the main approaches to increasing the productivity, safety and satisfaction of people at work. | | | | | |
| **Conditions for enrolling course** | | | | | |
| No conditions | | | | | |
| **Expected learning outcomes on a level of a course** | | | | | |
| 1. Evaluate factors that are associated with a person and his/her physiological and psychological characteristics that can affect safety in human actions, in work situations. 2. Assess workplace hazards, recommend number of breaks and their schedule, as well as measures and activities for safe work. 3. Distinguish between subjects in the field of safety and their role in the implementation of occupational safety. 4. Organize, prepare and keep prescribed reports of occupational injuries and occupational diseases, and produce reports for the needs of the employer. 5. Design and implement training programs for safe work. 6. Participate in teamwork, lead meetings and analyse workplace accidents and injuries. 7. Compare the correlation between sick leave, absenteeism, personality traits, stress, age, day of the week, gender, professional qualifications and education of workers, and occupational safety. | | | | | |
| **Content of a course** | | | | | |
| Representatives and boards for health and safety. Psycho-physiological ability, personality trait and working ability. Analysis of work, methods, procedures, and fields in safety. Physical work, physiologic assumptions and workers' workload. Fatigue, physiologic background and prevention of fatigue. Consequences of stress at work. Safety and health. Rationalization of physical work. Motivation and safety. Communication of man and machine, attention. Inadequate condition of work. Forms, procedures and efficiency of professional selection with respect to safety. Professional education of workers for safe work. Psychological problems and prevention of accidents at work. Relation of sick-leave, staying away from work and occupational safety. Fluctuation of workers and safety. | | | | | |
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