Learning outcomes of the undergraduate professional studies Occupational Safety

1. Apply principles of mathematics, electrical engineering, chemistry, physics, and mechanics required for work in the field of safety
2. Assess the impact of the basic features of production processes, machines and materials on the safety and health of workers
3. Perform and interpret measurement results in the field of occupational safety in a laboratory and in the work environment
4. Analyze collected data related to accidents, injuries at work, occupational diseases, and work-related diseases
5. Analyze the differences between the entities and their responsibilities in the field of occupational safety
6. Apply legal regulations and standards that cover training in the field of occupational safety
7. Apply legal regulations and standards that cover the field of work tools, personal protective equipment and place of work
8. Apply legal regulations and standards that cover the field of protection of vulnerable groups of workers
9. Apply legal regulations and standards that cover jobs with special working conditions
10. Decide on the application of basic, special and recognized rules of occupational safety with regard to identified hazards, harms and efforts
11. Apply general prevention principles of occupational safety
12. Design a workplace and select work equipment based on the performed analysis, and in accordance with the general prevention principles of occupational safety
13. Organize the work process in a way that preserves the work ability of workers
14. Coordinate work procedures in line with changes and advances in health care and ergonomics
15. Distinguish models of distribution of information on occupational safety between subjects in the work process
16. Categorize hazards, harms, and efforts in the work process
17. Analyze identified sources of hazards in a specific work process
18. Analyze identified sources of harm in a specific work process
19. Analyze identified sources of effort in a specific work process
20. Identify the consequences of individual sources of hazard, harm, and effort in the work process
21. Use prescribed procedures and documents in the field of occupational safety
22. Assess the level of risk for a particular job position in terms of hazards, harms and efforts that occur in the work process
23. Evaluate protection measures according to the assessed level of risk in the work process
24. Prepare a risk assessment for a job position
25. Justify the selection of measures for elimination or reduction of danger, damage, and effort
26. Explain different types of training of subjects in the field of occupational safety
27. Use appropriate information technology to address occupational safety problems
28. Justify the selection of monitoring devices as a means of occupational safety
29. Coordinate work procedures in line with changes and advances in engineering and technology
30. Present professional content in both Croatian and foreign languages in written and spoken form
31. Analyze safety factors in the field of fire protection and explosion protection
32. Identify fire extinguishing means and systems based on the conducted fire spread analysis
33. Apply legislation in the field of fire protection and explosion protection
34. Analyze safety factors in the service industries
35. Apply legislation from the field of occupational safety for service activities
36. Propose worker protection measures in the process of handling and transportation of goods
37. Apply legislation from the field of occupational safety for work in industry
38. Assess the level of risk in industrial processes
39. Justify the selection of measures for elimination or reduction of the identified level of risk in industrial processes