PROGRAMME OF STUDY

**Undergraduate Professional Study**

**of Occupational Safety**

# LIST OF COURSES

## 1st year of study - Semester I (Winter Semester)

|  |  |  |
| --- | --- | --- |
| **Course unit no.** | **Title of the course unit** | **ECTS**  **credits** |
|
| 52 | Mathematics I | 5 |
| 2 | Physics for engineers | 5 |
| 3 | Electrotechnics | 6 |
| 4 | Chemistry for engineers | 6 |
| 6 | English Language I | 3 |
| 6 | German Language I | 3 |
| 12 | Theory of combustion and fire-extinguishing | 5 |
|  | **Totally per semester** | **30** |

## 1st year of study - Semester II (Summer Semester)

|  |  |  |
| --- | --- | --- |
| **Course unit no.** | **Title of the course unit** | **ECTS**  **credits** |
| 53 | Mathematics II | 5 |
| 5 | Fundamentals of safety | 4 |
| 9 | Computers in safety science | 5 |
| 10 | Human factors in safety | 4 |
| 11 | Safety measures in electric power exploitation | 4 |
| 13 | Basics of the law and legislation of safety | 5 |
| 14 | English Language II | 3 |
| 14 | German Language II | 3 |
|  | **Totally per semester** | **30** |

2nd year of study – Semester III (Winter Semester)

|  |  |  |
| --- | --- | --- |
| **Course unit no.** | **Title of the course unit** | **ECTS**  **credits** |
|
| 16 | English Language III | 3 |
| 16 | German Language III | 3 |
| 17 | Probability and statistics | 6 |
| 18 | Organization and management | 6 |
| 19 | Chemical and biological noxiousness | 5 |
| 20 | Mechanics and mechanical hazards | 7 |
| 22 | Occupational medicine | 3 |
|  | **Totally per semester** | **30** |

2nd year of study – Semester IV (Summer Semester)

|  |  |  |
| --- | --- | --- |
| **Course unit no.** | **Title of the course unit** | **ECTS**  **credits** |
|
| 23 | English Language IV | 3 |
| 23 | German Language IV | 3 |
| 26 | Production processes and systems | 5 |
| 27 | Personal protective equipment | 4 |
| 28 | Physical noxiousness | 6 |
| 29 | Quality assurance | 4 |
| 31 | Occupational safety organization | 3 |
| 51 | Engineering fundamentals | 5 |
|  | **Totally per semester** | **30** |

## 3rd year of study (Industry) – Semester V (Winter Semester)

|  |  |  |  |
| --- | --- | --- | --- |
| **Course unit no.** | **Title of the course unit** | **ECTS**  **credits** | **Remark** |
| 30 | Fire protection at construction sites | 3 |  |
| 32 | Safety systems | 5 | Only in the Croatian language |
| 48 | Occupational safety management | 3 |  |
| 33 | Industrial safety | 5 |  |
| 34 | Process industry safety | 5 |  |
| 35 | Safety in hazardous material transportation | 5 |  |
| 37 | Ergonomics and safety | 4 |  |
|  | **Totally per semester** | **30** |  |

## 3rd year of study (Fire Protection) – Semester V (Winter Semester)

|  |  |  |  |
| --- | --- | --- | --- |
| **Course unit no.** | **Title of the course unit** | **ECTS**  **credits** | **Remark** |
| 30 | Fire protection at construction sites | 3 |  |
| 32 | Safety systems | 5 | Only in the Croatian language |
| 48 | Occupational safety management | 3 |  |
| 39 | Fire-fighting equipment | 5 | Only in the Croatian language |
| 40 | Fire-fighting organization and techniques | 5 | Only in the Croatian language |
| 41 | Protection from explosions | 5 | Only in the Croatian language |
| 37 | Ergonomics and safety | 4 |  |
|  | **Totally per semester** | **30** |  |

## 3rd year of study (General Safety) – Semester V (Winter Semester)

|  |  |  |  |
| --- | --- | --- | --- |
| **Course unit no.** | **Title of the course unit** | **ECTS**  **credits** | **Remark** |
| 30 | Fire protection at construction sites | 3 |  |
| 32 | Safety systems | 5 | Only in the Croatian language |
| 48 | Occupational safety management | 3 |  |
| 45 | Safety in transportation of goods and people | 5 |  |
| 46 | Safety and protection in hotel industry and tourism | 5 | Only in the Croatian language |
| 47 | Safety in health care profession | 5 | Only in the Croatian language |
| 37 | Ergonomics and safety | 4 |  |
|  | **Totally per semester** | **30** |  |

## 3rd year of study – Semester VI (Summer Semester)

|  |  |  |
| --- | --- | --- |
| **Course unit no.** | **Title of the course unit** | **ECTS**  **credits** |
|
| 49 | Professional semester internship | 13 |
| 50 | Bachelor Paper | 17 |
|  | **Totally per semester** | **30** |