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** |