

T.C.
ÜSKÜDAR UNIVERSITY
FACULTY OF HEALTH SCIENCES
OCCUPATIONAL HEALTH AND SAFETY DEPARTMENT
2023-2024 ACADEMIC YEAR COURSE PLAN

FIRST YEAR

FALL SEMESTER (FIRST SEMESTER)

| COURSE CODE | COURSE NAME | T | U | K | ECTS |
|-------------|---------------------------------------------------------------------------|-----------|----------|-----------|-----------|
| ISG103 | Basic Physics | 2 | 0 | 2 | 3 |
| ISG105 | Basic Chemistry | 2 | 0 | 2 | 3 |
| ISG107 | Basic Biology | 2 | 0 | 2 | 3 |
| ISG111 | Introduction to Occupational Health and Safety | 2 | 0 | 2 | 3 |
| SBF141 | Basic Anatomy | 2 | 0 | 2 | 3 |
| TURK101 | Turkish Language-I | 2 | 0 | 2 | 3 |
| ATA101 | Principles of Atatürk and History of Turkish Revolution-I | 2 | 0 | 2 | 3 |
| ING101 | English-I | 3 | 0 | 3 | 3 |
| RPSI109 | Positive Psychology and Communication Skills (University Elective Course) | 3 | 0 | 3 | 5 |
| RKUL101 | University Culture I (University Elective Course) | 0 | 2 | 1 | 1 |
| SUM | | 20 | 2 | 21 | 30 |

SPRING SEMESTER (SECOND SEMESTER)

| COURSE CODE | COURSE NAME | T | U | K | ECTS |
|-------------|------------------------------------------------------------|-----------|----------|-----------|-----------|
| SBF112 | Basic Law | 2 | 0 | 2 | 3 |
| SBF150 | Mathematics | 2 | 0 | 2 | 3 |
| ISG116 | Accident Analysis | 2 | 0 | 2 | 3 |
| ISG122 | Machinery and Equipment | 3 | 0 | 3 | 4 |
| ISG124 | Hazard Identification and Risk Management | 2 | 0 | 2 | 4 |
| ISG142 | Occupational Hygiene | 3 | 0 | 3 | 3 |
| TURK102 | Turkish Language-II | 2 | 0 | 2 | 3 |
| ATA102 | Principles of Atatürk and History of Turkish Revolution-II | 2 | 0 | 2 | 3 |
| ING102 | English-II | 3 | 0 | 3 | 3 |
| RKUL102 | University Culture II (University Elective Course) | 0 | 2 | 1 | 1 |
| SUM | | 21 | 2 | 22 | 30 |

SECOND YEAR

FALL SEMESTER (III. SEMESTER)

| COURSE CODE | COURSE NAME | T | U | K | ECTS |
|-------------|---------------------------------------------------------------------|-----------|----------|-----------|-----------|
| SBF125 | Biostatistics | 2 | 0 | 2 | 3 |
| ISG211 | Fire Hazard and Fire Safety | 3 | 0 | 3 | 5 |
| ISG215 | Occupational Health and Safety in Mining and Underground Structures | 3 | 0 | 3 | 5 |
| ISG219 | Ergonomics | 2 | 0 | 2 | 2 |
| ISG223 | Reliability Engineering | 3 | 0 | 3 | 3 |
| RPRE104 | Entrepreneurship and Project Culture (ÜSEÇ) | 2 | 0 | 2 | 3 |
| XXXX | Elective Course (Area Elective) | 3 | 0 | 3 | 5 |
| XXXX | Elective Course (Area Elective) | 3 | 0 | 3 | 5 |
| SUM | | 21 | 0 | 21 | 31 |

SPRING SEMESTER (IV. SEMESTER)

| COURSE CODE | COURSE NAME | T | U | K | ECTS |
|-------------|--------------------------------------------|-----------|----------|-----------|-----------|
| ISG216 | Ventilation and Air Conditioning | 3 | 0 | 3 | 3 |
| ISG222 | Engineering Economics | 3 | 0 | 3 | 3 |
| ISG224 | Occupational Health and Safety Legislation | 3 | 0 | 3 | 4 |
| ISG230 | Static | 3 | 0 | 3 | 3 |
| ISG232 | Emergency Management | 3 | 0 | 3 | 3 |
| ISG242 | Summer Internship-I*** | 0 | 0 | 0 | 5 |
| XXXX | Elective Course (Area Elective) | 3 | 0 | 3 | 5 |
| XXXX | Elective Course (Area Elective) | 3 | 0 | 3 | 5 |
| SUM | | 21 | 0 | 21 | 31 |

THIRD YEAR

FALL SEMESTER (V. SEMESTER)

| COURSE CODE | COURSE NAME | T | U | K | ECTS |
|-------------|----------------------------------------------|-----------|----------|-----------|-----------|
| ISG319 | Physical Factors in the Work Environment | 3 | 0 | 3 | 3 |
| ISG309 | Occupational Health and Safety Laboratory | 0 | 4 | 2 | 3 |
| ISG311 | Electrical Hazards and Occupational Safety | 3 | 0 | 3 | 4 |
| ISG313 | Chemical Factors in the Working Environment | 3 | 0 | 3 | 4 |
| ISG315 | Dangerous Goods, Road Transportation and ADR | 3 | 0 | 3 | 3 |
| ISG317 | Psychosocial Risk Factors | 2 | 0 | 2 | 3 |
| XXXX | Elective Course (Area Elective) | 3 | 0 | 3 | 5 |
| XXXX | Elective Course (Area Elective) | 3 | 0 | 3 | 5 |
| SUM | | 20 | 4 | 22 | 30 |

SPRING SEMESTER (VI. SEMESTER)

| COURSE CODE | COURSE NAME | T | U | K | ECTS |
|-------------|-----------------------------------|-----------|----------|-----------|-----------|
| SBF124 | Environmental Health | 2 | 0 | 2 | 3 |
| ISG326 | Computer Aided Technical Drawing* | 0 | 6 | 3 | 3 |
| ISG348 | Occupational Diseases | 2 | 0 | 2 | 2 |
| ISG338 | Risk Assessment Methods | 3 | 0 | 3 | 4 |
| ISG340 | OHS Management Systems | 2 | 0 | 2 | 3 |
| ISG342 | Summer Internship-II*** | 0 | 0 | 0 | 5 |
| XXXXXXX | Elective Course (Area Elective) | 3 | 0 | 3 | 5 |
| XXXXXXX | Elective Course (Area Elective) | 3 | 0 | 3 | 5 |
| SUM | | 15 | 6 | 18 | 30 |

FOURTH YEAR

FALL SEMESTER (VII. SEMESTER)

| COURSE CODE | COURSE NAME | T | U | K | ECTS |
|-------------|--------------------------------------------|---|---|---|------|
| ISG425 | Explosive Atmospheres and Hazards | 3 | 0 | 3 | 4 |
| ISG439 | Biological Factors in the Work Environment | 3 | 0 | 3 | 4 |
| ISG435 | Personal Protective Equipment | 2 | 0 | 2 | 3 |

SPRING SEMESTER (VIII. SEMESTER)

| COURSE CODE | COURSE NAME | T | U | K | ECTS |
|-------------|---------------------------------------|---|---|---|------|
| ISG428 | Preventing Major Industrial Accidents | 2 | 0 | 2 | 3 |
| ISG430 | Occupational Safety in Logistics | 2 | 0 | 2 | 3 |
| ISG434 | Safety Inspection and Control Systems | 3 | 0 | 3 | 3 |

| | | | | | |
|------------|---------------------------------------|-----------|----------|-----------|-----------|
| ISG437 | Occupational Safety at Work at Height | 2 | 2 | 3 | 4 |
| XXXX | Elective Course (Area Elective) | 3 | 0 | 3 | 5 |
| XXXX | Elective Course (Area Elective) | 3 | 0 | 3 | 5 |
| XXXX | Elective Course (Area Elective) | 3 | 0 | 3 | 5 |
| SUM | | 19 | 2 | 20 | 30 |

| | | | | | |
|------------|------------------------------------------------------|-----------|----------|-----------|-----------|
| ISG436 | Occupational Health and Safety in Construction Works | 3 | 0 | 3 | 4 |
| ISG438 | Computer Aided OHS Applications | 2 | 2 | 3 | 3 |
| ISG480 | Graduation Project* | 1 | 3 | 3 | 5 |
| XXXX | Elective Course (Area Elective) | 3 | 0 | 3 | 5 |
| XXXX | Elective Course (Area Elective) | 3 | 0 | 3 | 5 |
| SUM | | 19 | 5 | 22 | 31 |

ELECTIVE COURSES

AREA ELECTIVE COURSES

| FALL | | | | | |
|--------------------|---------------------------------------------------------|----------|----------|----------|-------------|
| COURSE CODE | COURSE NAME | T | U | K | ECTS |
| ISG261 | Management and Organization in Business | 3 | 0 | 3 | 5 |
| ISG263 | Documentation and Controls in OHS | 3 | 0 | 3 | 5 |
| ISG265 | Occupational Safety in Human Machine System | 3 | 0 | 3 | 5 |
| ISG357 | Employee Safety in Maintenance and Repair | 3 | 0 | 3 | 5 |
| ISG361 | Crisis Management | 3 | 0 | 3 | 5 |
| ISG363 | Business Permits | 3 | 0 | 3 | 5 |
| ISG365 | Sustainability in Environmental and Business Management | 3 | 0 | 3 | 5 |
| ISG367 | Traffic and Safe Driving Techniques | 3 | 0 | 3 | 5 |
| ISG463 | OHS in Welding Works | 3 | 0 | 3 | 5 |
| ISG465 | Industrial Hygiene and Toxicology | 3 | 0 | 3 | 5 |
| ISG467 | Employee Nutrition and Food Sanitation | 3 | 0 | 3 | 5 |
| ISG469 | Industry 4.0 and OHS 4.0 | 3 | 0 | 3 | 5 |
| ISG423 | Safety Culture | 3 | 0 | 3 | 5 |

| SPRING | | | | | |
|--------------------|-----------------------------------------------------|----------|----------|----------|-------------|
| COURSE CODE | COURSE NAME | T | U | K | ECTS |
| ISG256 | Occupational Safety in Health Institutions | 3 | 0 | 3 | 5 |
| ISG260 | Physical Activity for the Health of Employees | 3 | 0 | 3 | 5 |
| ISG266 | Computer-Aided Modeling of Major Accidents | 3 | 0 | 3 | 5 |
| ISG262 | Advanced Statistics | 3 | 0 | 3 | 5 |
| ISG264 | Training Skills | 3 | 0 | 3 | 5 |
| ISG268 | Unmanned Aerial Vehicles and Radio Information | 3 | 0 | 3 | 5 |
| ISG362 | OHS for Air and Sea Employees | 3 | 0 | 3 | 5 |
| ISG462 | Scientific Research and Professional Ethics | 3 | 0 | 3 | 5 |
| ISG464 | Occupational Safety in the Design of Work Equipment | 3 | 0 | 3 | 5 |
| ISG466 | Industrial Machinery and Occupational Safety | 3 | 0 | 3 | 5 |
| ISG490 | Occupational Health and Safety in Communication | 2 | 0 | 2 | 3 |
| SBF462 | Applied Area Course | 2 | 2 | 3 | 5 |

FACULTY ELECTIVE COURSES

| FALL | | | | | |
|--------------------|----------------------------------|----------|----------|----------|-------------|
| COURSE CODE | COURSE NAME | T | U | K | ECTS |
| SBF111 | Public Health | 2 | 0 | 2 | 3 |
| SBF113 | Effective Speech and Diction | 2 | 0 | 2 | 3 |
| SBF119 | Overview of Qualitative Research | 2 | 0 | 2 | 3 |
| SBF121 | Occupational Health and Safety | 2 | 0 | 2 | 3 |
| SBF125 | Biostatistics | 2 | 0 | 2 | 3 |
| SBF131 | First Aid | 1 | 2 | 2 | 3 |
| SBF133 | Sign Language I | 3 | 0 | 3 | 5 |
| SBF141 | Basic Anatomy | 2 | 0 | 2 | 3 |

| SPRING | | | | | |
|--------------------|----------------------------------------------------------|----------|----------|----------|-------------|
| COURSE CODE | COURSE NAME | T | U | K | ECTS |
| SBF112 | Basic Law | 2 | 0 | 2 | 3 |
| SBF114 | Music | 2 | 0 | 2 | 3 |
| SBF118 | Overview of Single Subject Research | 2 | 0 | 2 | 3 |
| SBF124 | Environmental Health | 2 | 0 | 2 | 3 |
| SBF132 | Sign Language II | 3 | 0 | 3 | 5 |
| SBF150 | Mathematics | 2 | 0 | 2 | 3 |
| SBF020 | Career Planning and Professional Competencies (Elective) | 2 | 0 | 2 | 3 |

UNIVERSITY ELECTIVE COURSES

| FALL | | | | | |
|--------------------|----------------------------------------------|----------|----------|----------|-------------|
| COURSE CODE | COURSE NAME | T | U | K | ECTS |
| RKUL101 | University Culture I* | 0 | 2 | 1 | 1 |
| RPSI109 | Positive Psychology and Communication Skills | 3 | 0 | 3 | 5 |
| RUS121 | Russian I | 3 | 0 | 3 | 5 |
| ALM121 | German I | 3 | 0 | 3 | 5 |
| ISP121 | Spanish I | 3 | 0 | 3 | 5 |
| ARA121 | Arabic I | 3 | 0 | 3 | 5 |
| CIN121 | Chinese I | 3 | 0 | 3 | 5 |

| SPRING | | | | | |
|--------------------|--------------------------------------|----------|----------|----------|-------------|
| COURSE CODE | COURSE NAME | T | U | K | ECTS |
| RKUL102 | University Culture II* | 0 | 2 | 1 | 1 |
| RPRE104 | Entrepreneurship and Project Culture | 2 | 0 | 2 | 3 |
| RUS122 | Russian II | 3 | 0 | 3 | 5 |
| ALM122 | German II | 3 | 0 | 3 | 5 |
| ISP122 | Spanish II | 3 | 0 | 3 | 5 |
| ARA122 | Arabic II | 3 | 0 | 3 | 5 |
| CIN122 | Chinese II | 3 | 0 | 3 | 5 |

Minimum Requirements for Graduation

| | |
|------------------------|------------|
| (T) Theoretical | 156 |
| (U) Application | 21 |

*Course with application
**Occupational Training in Firm

| | | |
|----------------------|-------------------------------------------|------------|
| ***Internship | (K) Local Credit | 167 |
| | (ECTS) ECTS | 243 |
| | (S) Elective Course ECTS Credits | 75 |