

**VOCATIONAL SCHOOL OF HEALTH SERVICES
NUCLEAR TECHNOLOGY AND RADIATION SAFETY DEPARTMENT
2022-2023 CURRICULUM**

FIRST CLASS - SEMESTER I

FIRST CLASS - SEMESTER II

FALL SEMESTER

SPRING SEMESTER

| COURSE CODE | COURSE NAME | THEORETICAL | APPLICATION | CREDIT | ECTS | COURSE CODE | COURSE NAME | THEORETICAL | APPLICATION | CREDIT | ECTS |
|--------------|--|-------------|-------------|-----------|-----------|--------------|---|-------------|-------------|-----------|-----------|
| ATA101 | PRINCIPLES OF ATATÜRK AND HISTORY OF REVOLUTIONS I | 2 | 0 | 2 | 3 | ATA102 | PRINCIPLES OF ATATÜRK AND HISTORY OF REVOLUTIONS II | 2 | 0 | 2 | 3 |
| GKM101 | GENERAL CHEMISTRY | 2 | 0 | 2 | 3 | INGU102 | ENGLISH II | 3 | 0 | 3 | 3 |
| ILK101 | FIRST AID (DEC) | 2 | 0 | 2 | 3 | NTR110 | MATHEMATICS IN NUCLEAR TECHNOLOGY (DEC) | 2 | 0 | 2 | 2 |
| INGU101 | ENGLISH I | 3 | 0 | 3 | 3 | RTR116 | PROGRAMMING AND SIMULATION IN NUCLEAR TECHNOLOGY* | 1 | 2 | 2 | 4 |
| NTR103 | RADIATION PHYSICS I | 3 | 0 | 3 | 4 | RPSI209 | POSITIVE PSYCHOLOGY AND COMMUNICATION SKILLS (EUC) | 2 | 0 | 2 | 3 |
| NTR107 | BASIC INFORMATION TECHNOLOGIES* (DEC) | 0 | 2 | 1 | 2 | NRT100 | RADIATION PHYSICS II | 3 | 0 | 3 | 4 |
| NTR111 | BASIC BIOMECHANICS | 3 | 0 | 3 | 4 | RTR114 | BIOLOGICAL EFFECTS OF RADIATION | 3 | 0 | 3 | 5 |
| MAT101 | BASIC MATHEMATICS (DEC) | 2 | 0 | 2 | 3 | NRT112 | BASIC ELECTRICITY (DEC) | 3 | 0 | 3 | 4 |
| TURK101 | TURKISH LANGUAGE I | 2 | 0 | 2 | 3 | TURK102 | TURKISH LANGUAGE II | 2 | 0 | 2 | 3 |
| RKUL101 | UNIVERSITY CULTURE I* (EUC) | 0 | 2 | 1 | 1 | RKUL102 | UNIVERSITY CULTURE II* (EUC) | 0 | 2 | 1 | 1 |
| TOTAL | | 19 | 4 | 21 | 29 | TOTAL | | 21 | 4 | 23 | 32 |

SECOND CLASS - SEMESTER III

SECOND CLASS - SEMESTER IV

FALL SEMESTER

SPRING SEMESTER

| COURSE CODE | COURSE NAME | THEORETICAL | APPLICATION | CREDIT | ECTS | COURSE CODE | COURSE NAME | THEORETICAL | APPLICATION | CREDIT | ECTS |
|--------------|-----------------------------------|-------------|-------------|-----------|-----------|--------------|---|-------------|-------------|-----------|-----------|
| NTR213 | ACCELERATOR PHYSICS | 2 | 0 | 2 | 3 | NTR216 | INDUSTRIAL CONTROL AND MOTORS | 2 | 0 | 2 | 3 |
| MYO022 | VOCATIONAL ENGLISH (DEC) | 2 | 0 | 2 | 3 | NTR204 | RADIATION SAFETY APPLICATIONS II** | 2 | 8 | 6 | 12 |
| NTR207 | NUCLEAR ENERGY TECHNOLOGIES | 2 | 0 | 2 | 2 | NTR202 | RADIOLOGICAL EMERGENCY PLANNING GUIDELINES | 3 | 0 | 3 | 4 |
| NTR209 | RADIATION SAFETY APPLICATIONS I** | 2 | 8 | 6 | 12 | NTR218 | REACTOR THEORY AND OPERATION | 2 | 0 | 2 | 3 |
| NTR201 | RADIATION MEASUREMENT METHODS | 2 | 0 | 2 | 3 | NTR206 | HEALTH PHYSICS (DEC) | 2 | 0 | 2 | 4 |
| NTR211 | RADIATION SHIELDING PRINCIPLES | 2 | 0 | 2 | 3 | NTR200 | NATIONAL AND INTERNATIONAL NUCLEAR LEGISLATION AND WASTE MANAGEMENT (DEC) | 2 | 0 | 2 | 4 |
| NTR215 | BASIC ELECTRONICS | 2 | 0 | 2 | 3 | | | | | | |
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| | | | | | | | | | | | |
| TOTAL | | 14 | 8 | 18 | 29 | TOTAL | | 13 | 8 | 17 | 30 |

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| * | Applied Course |
| ** | Vocational Education in Business |
| *** | Internship |

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| DEC: | Departmental Elective Courses |
| EUC: | Elective University CourseS |

| MEZUNİYET İÇİN GEREKLİ OLAN KRİTERLER | |
|---------------------------------------|-----|
| THEORETICAL HOURS | 67 |
| APPLICATION HOURS | 24 |
| LOCAL CREDIT | 79 |
| ECTS | 120 |
| TOTAL ECTS OF ELECTIVE COURSES | 30 |
| (25% of TOTAL ECTS AMOUNT) | 30 |