**Forensic Natural Sciences Master's Degree Program (with Thesis)**

**Purpose of the Program:**

The Forensic Natural Sciences Master's Program (with Thesis), which will be opened under the GCGA Forensic Sciences Institute, Forensic Natural Sciences Department, aims to create the scientific infrastructure of students in examination subjects such as biology, chemistry, palynology, entomology and anthropology, which are the basic examination and specialization areas of forensic natural science. Students enrolled in the program will have the opportunity to specialize by taking elective courses according to their undergraduate graduation and areas of interest, after receiving basic forensic science education.

**Course List and Crediting:**

The courses planned to be included in the Forensic Natural Sciences Master's Program (with Thesis) are listed in Table-1.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Lesson Code** | **Course Name** | **Course Status** | **Time** | **National Credit** | **ECTS** |
| ABE101 | Research Methods | Compulsory | 3 | 3 | 8 |
| ABE102 | Forensic Sciences and Forensic Medicine | Elective | 3 | 3 | 6 |
| ABE103 | Statistics Applications in Forensic Sciences | Elective | 3 | 3 | 6 |
| ABE104 | Crime Scene Investigation | Elective | 3 | 3 | 6 |
| ABE105 | Forensic Photography | Elective | 3 | 3 | 6 |
| ABE201 | Ethics and Quality System in Forensic Sciences | Compulsory | 3 | 3 | 8 |
| ABE202 | Evidence Law | Compulsory | 3 | 3 | 8 |
| ABE203 | Expertise Law | Elective | 3 | 3 | 6 |
| ABE204 | Seminar | Compulsory | 3 | 0 | 4 |
| ADB205 | Instrumental Analysis Principles | Elective | 3 | 3 | 6 |
| ADB206 | Forensic Biology Investigations and Applications | Elective | 3 | 3 | 6 |
| ADB207 | Forensic Genetics | Elective | 3 | 3 | 6 |
| ADB208 | Identification of Body Fluids | Elective | 3 | 3 | 6 |
| ADB209 | Forensic Chemistry Investigations and Applications | Elective | 3 | 3 | 6 |
| ADB210 | Chromatographic Analysis Methods | Elective | 3 | 3 | 6 |
| ADB211 | Spectroscopy and Electron Based Analysis Methods | Elective | 3 | 3 | 6 |
| ADB212 | Fire and Explosive Analysis | Elective | 3 | 3 | 6 |
| ADB213 | Palynology in Forensic Sciences | Elective | 3 | 3 | 6 |
| ADB214 | Pollen Morphology | Elective | 3 | 3 | 6 |
| ADB215 | Plant Diagnostic Methods | Elective | 3 | 3 | 6 |
| ADB216 | Aeropalinology | Elective | 3 | 3 | 6 |
| ADB217 | Botanical terminology | Elective | 3 | 3 | 6 |
| ADB218 | Systematics of Forensic Entomological Species | Elective | 3 | 3 | 6 |
| ADB219 | Evidence Collection Methods in Forensic Entomology | Elective | 3 | 3 | 6 |
| ADB220 | Classification of Insects | Elective | 3 | 3 | 6 |
| ADB221 | Forensic Entomological Ecology | Elective | 3 | 3 | 6 |
| ADB222 | Bloodstain Pattern Analysis | Elective | 3 | 3 | 6 |
| ADB223 | Data collection techniques in forensic anthropology | Elective | 3 | 3 | 6 |
| ADB224 | Identification in forensic anthropology | Elective | 3 | 3 | 6 |
| ADB225 | Molecular anthropology | Elective | 3 | 3 | 6 |
| ADB226 | Identification of Disaster Victims | Elective | 3 | 3 | 6 |
| ADB227 | Forensic CBRN | Elective | 3 | 3 | 6 |

**Table-1** Courses planned to be included in the Forensic Natural Sciences Master's Degree Program (with Thesis).

**Forensic Natural Sciences Master’s Degree Program (without Thesis)**

**Purpose of the Program:**

In the Forensic Natural Sciences Master’s Degree Program (without Thesis) to be opened within the Department of Forensic Natural Sciences of the GCGA Institute of Forensic Sciences, in accordance with the purposes stated in the 11th article of the Postgraduate Education and Training Regulation of the Council of Higher Education, biology, which are the main areas of examination and specialization of Forensic Natural science. It is aimed to create the scientific infrastructure of students in the application of investigations in the fields of chemistry, palynology, entomology and anthropology in forensic analyses.

In this context, personnel who do not have foreign language proficiency currently work in the fields of science within the scope of forensic natural sciences as experts or assistant experts / assistants in the Criminal Department of the Gendarmerie General Command, the Criminal Department of the General Directorate of Security and the Criminal Laboratory of the General Directorate of Customs. The aim of the Forensic Natural Sciences Master's Degree Program (without Thesis) is to increase the academic competence of the staff in question, as well as other students with similar qualifications, in the field of forensic sciences and to enable them to complete a non-thesis master's degree in order to specialize.

**Course List and Crediting:**

The courses planned to be included in the Forensic Natural Sciences Master's Degree Program (without Thesis) are listed in Table-2.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Lesson Code** | **Course Name** | **Course Status** | **Time** | **National Credit** | **ECTS** |
| ABE101 | Research Methods | Compulsory | 3 | 3 | 8 |
| ABE102 | Forensic Sciences and Forensic Medicine | Elective | 3 | 3 | 6 |
| ABE103 | Statistics Applications in Forensic Sciences | Elective | 3 | 3 | 6 |
| ABE104 | Crime Scene Investigation | Elective | 3 | 3 | 6 |
| ABE105 | Forensic Photography | Elective | 3 | 3 | 6 |
| ABE201 | Ethics and Quality System in Forensic Sciences | Compulsory | 3 | 3 | 8 |
| ABE202 | Evidence Law | Compulsory | 3 | 3 | 8 |
| ABE203 | Expertise Law | Elective | 3 | 3 | 6 |
| ADB205 | Instrumental Analysis Principles | Elective | 3 | 3 | 6 |
| ADB206 | Forensic Biology Investigations and Applications | Elective | 3 | 3 | 6 |
| ADB207 | Forensic Genetics | Elective | 3 | 3 | 6 |
| ADB208 | Identification of Body Fluids | Elective | 3 | 3 | 6 |
| ADB209 | Forensic Chemistry Investigations and Applications | Elective | 3 | 3 | 6 |
| ADB210 | Chromatographic Analysis Methods | Elective | 3 | 3 | 6 |
| ADB211 | Spectroscopy and Electron Based Analysis Methods | Elective | 3 | 3 | 6 |
| ADB212 | Fire and Explosive Analysis | Elective | 3 | 3 | 6 |
| ADB213 | Palynology in Forensic Sciences | Elective | 3 | 3 | 6 |
| ADB214 | Pollen Morphology | Elective | 3 | 3 | 6 |
| ADB215 | Plant Diagnostic Methods | Elective | 3 | 3 | 6 |
| ADB216 | Aeropalinology | Elective | 3 | 3 | 6 |
| ADB217 | Botanical terminology | Elective | 3 | 3 | 6 |
| ADB218 | Systematics of Forensic Entomological Species | Elective | 3 | 3 | 6 |
| ADB219 | Evidence Collection Methods in Forensic Entomology | Elective | 3 | 3 | 6 |
| ADB220 | Classification of Insects | Elective | 3 | 3 | 6 |
| ADB221 | Forensic Entomological Ecology | Elective | 3 | 3 | 6 |
| ADB222 | Bloodstain Pattern Analysis | Elective | 3 | 3 | 6 |
| ADB223 | Data collection techniques in forensic anthropology | Elective | 3 | 3 | 6 |
| ADB224 | Identification in forensic anthropology | Elective | 3 | 3 | 6 |
| ADB225 | Molecular anthropology | Elective | 3 | 3 | 6 |
| ADB226 | Identification of Disaster Victims | Elective | 3 | 3 | 6 |
| ADB227 | Forensic CBRN | Elective | 3 | 3 | 6 |

**Table-2** Courses planned to be included in the Forensic Natural Science Master's Degree Program (without Thesis).