BSc (Hons) in Investigative Criminology and Criminal Psychology (EN & IT)

EUROPEAN FORENSIC INSTITUTE

YEAR 1: Modules	ECTS	Compulsory / Elective	Teaching	Assessment
History of Forensic Sciences and International Police Organizations	4	C	Online Classroom	Final Exam (75%), Research Assignment (25%)
Techniques of Investigation and Intelligence	10	C	Online & In-person Classroom, Laboratory	Final Exam (75%), Research Assignment (25%)
Research Methods and Professional Ethics	4	C	Online Classroom	Research Assignment (100%)
Crime Scene Investigation and Documentation	12	C	Online & In-person Classroom, Laboratory	Final Exam (75%), Laboratory Report (25%)
Physiological Psychology	10	C	Online Classroom	Final Exam (100%)
General Psychology	10	C	Online Classroom	Final Exam (100%)
General Criminology	10	C	Online Classroom	Final Exam (100%)

YEAR 2: Modules	ECTS	Compulsory / Elective	Teaching	Assessment
Criminal and Forensic Psychology	12	C	Online Classroom	Final Exam (100%)
European and International Criminal Law	10	C	Online Classroom	Final Exam (75%), Research Assignment (25%)
Computer Forensics	10	C	Online & In-person Classroom, Laboratory	Final Exam (75%), Laboratory Report (25%)
Witness Psychology, Behavioural Analysis and Interrogation Techniques	8	E	Online Classroom	Final Exam (75%), Research Assignment (25%)
Forensic Medicine and Toxicology	8	E	Online Classroom	Final Exam (100%)
Prison Psychology	6	E	Online Classroom	Final Exam (100%)
Neurocriminology	6	E	Online Classroom	Final Exam (100%)
Forensic Entomology and Archaeology	6	E	Online Classroom	Final Exam (75%), Research Assignment (25%)
Geographical Profiling	6	E	Online Classroom	Final Exam (75%), Research Assignment (25%)
Forensic Pathology and Toxicology	6	E	Online Classroom	Final Exam (75%), Research Assignment (25%)
Video Forensics	6	E	Online Classroom	Final Exam (75%), Research Assignment (25%)

YEAR 3: Modules	ECTS	Mandatory / Elective	Teaching	Assessment
Applied Criminology for Criminal Investigation and Security	14	C	Online Classroom	Final Exam (75%), Research Assignment (25%)
From Crime Scene to Court, Expert Witness	8	C	Online Classroom	Final Exam (75%), Research Assignment (25%)
Ballistics and Firearms	8	C	Online & In-person Classroom, Laboratory	Final Exam (75%), Laboratory Report (25%)
Web and Open Source Intelligence	8	C	Online Classroom	Final Exam (75%), Research Assignment (25%)
Final Dissertation	6	C	Online Classroom	Final Thesis on Research Area; 15-20 pages (100%)
Practical Work Experience	16	C	On-the-job Learning	On-the-job Performance and Feedback from supervisor (100%

1. **Official Qualification - Educational Programme/s:** BSc (Hons) in Investigative Criminology and Criminal Psychology. Full-time
2. **Higher Education Provider:** European Forensic Institute
3. **Accredited status:** Accredited by the Malta Further and Higher Education Authority (MFHEA) – Higher Education Institution, License n. 2018-014
4. **Level of qualification:** Level 6 MQF and Level 6 EQF
5. **Type of Course/s**

   Qualifications:

- **BSc (Hons) in Investigative Criminology and Criminal Psychology (180 ECTS)**
    a) **Higher Diploma** in Investigative Criminology and Criminal Psychology (120 ECTS)
    b) **Diploma** in Investigative Criminology and Criminal Psychology (60-90 ECTS)
    c) **Certificate** in Investigative Criminology and Criminal Psychology (30 ECTS)
    d) **Award** in Techniques of Investigation and Intelligence (10 ECTS) [MQF/EQF 5]
    e) **Award** in Crime Scene Investigation and Documentation (12 ECTS) [MQF/EQF 5]
    f) **Award** in Physiological Psychology (10 ECTS) [MQF/EQF 5]
    g) **Award** in General Criminology (10 ECTS) [MQF/EQF 5]
    h) **Award** in European & International Law (10 ECTS)
    i) **Award** in Computer Forensics (10 ECTS)
    j) **Award** in Criminal and Forensic Psychology (12 ECTS)
    k) **Award** in Forensic Medicine and Forensic Toxicology (8 ECTS)
    l) **Award** in Witness Psychology, Behavioural Analysis and Interrogation Techniques (8 ECTS)
    m) **Award** in Neurocriminology (6 ECTS)
    n) **Award** in Prison Psychology (6 ECTS)
    o) **Award** in Geographical Profiling (6 ECTS)
    p) **Award** in Forensic Entomology & Archaeology (6 ECTS)
    q) **Award** in Web and Open Source Intelligence (8 ECTS)
    r) **Award** in From Crime Scene to Court – Expert Witness (8 ECTS)
    s) **Award** in Ballistics and Firearms (8 ECTS)
    t) **Award** in Video Forensics (6 ECTS)

u) **Award** in Forensic Pathology & Toxicology (6 ECTS)

v) **Award** in Applied Criminology for Criminal Investigation and Security (14 ECTS)

Other available awards are listed and accredited under different programmes.

6. **Delivery Method:** Blended. Online sessions, in-person laboratory sessions (if applicable), in-person sessions and assessments at the Malta Life Sciences Park
7. **Hours of total learning:** 4.500 hours (contact hours, self-study hours, supervised placement, practice hours and assessment hours). Please refer to Course Outline for details
8. **Total credits:** 180 ECTS
9. **Attendance:** Full-time
10. **Programme Duration:** 3 Academic Years Full-Time
11. **Target audience & group**

    Students: 18-30

    Professionals: 21-65+
12. **Language:** English or Italian [programme will run if we meet the minimum student number]
13. **Entry requirements:**

    Qualification: Maltese Matriculation Certification or international equivalent at EQF Level 4 [including Mathematics or science].

    Language: Minimum Language qualification threshold of B1 in accordance with the Central European Framework for Languages (CEFR) or its equivalent in programme language of delivery.
14. **Learning Outcomes**

    The learner will be able to:

    a. use technical language correctly, to present complex concepts and information in a clear and concise manner, both orally and in writing, and the ability to interact and communicate effectively within a wide range of

professional environments

b. present and explain complex concepts and information in a clear and concise manner, both orally and in writing, to non-professionals
c. use IT systems effectively to access, analyse and present complex data, research findings and the evidence base for forensic and investigative science
d. work effectively and independently both within and/or lead an expert team
e. use written and oral legal language for the courts

The learner will acquire, in the following categories:

- Detailed knowledge and understanding of selected aspects of criminology in order to be capable of: - Supporting the traditional investigative activities of the leaders of investigations (prosecutors, lawyers, police forces); - Carrying out observations and psycho-social-criminological analysis, on the victims, the witnesses and any other person involved directly or indirectly into a case; - Carrying out and/or support scientifically interviews, questionings or interviews with alleged criminals, convicts, victims, persons of interest, etc.; - Examining and analysing places and/or environmental or social contexts where the criminal events occurred in order to draw scientific hypotheses useful to the investigators when related to criminogenesis and criminodynamics; - Carrying out activities of precautionary investigation to have useful data on the probability that a crime will occur in a specific place or context; - Operating in critical contexts, both in the preliminary phase and the occurrence of a real threat or emergency
- Interpretation, Evaluation and Presentation of Evidence: - knowledge of how to record, manage, interpret, critically evaluate and present complex evidence and experimental results; - sound knowledge of prevailing legal standards and legislation applicable to the recovery, storage, retention, analysis and disposal of evidence

- Crime Scene Investigation and Criminal Behaviour: - knowledge of the principles and effective application of the relevant techniques needed for the formulation of criminal examination strategies; - clear understanding of the responsibilities, roles and liabilities of the individuals and agencies involved in a crime, and of information exchange between them
- Legal Knowledge: a familiarity with the justice system (locally, EU Wide and internationally) and an appreciation of the importance of the continuity of evidence from crime scene to court
- Use of modern technology: - detailed and up to date knowledge of modern technology used for investigations in fields such as engineering and anti- counterfeiting
- Research Skills: - hands-on experience on leading and conducting a research piece in relevant fields; - investigative and analytical skills, including the ability to formulate problems clearly, identify key issues, carry out a substantial independent investigation using multiple information sources and apply critical judgement to construct logical arguments
- Laboratory Analysis: detailed knowledge of the theory, application and limitations of the principal laboratory methods used routinely in criminology, and competence in the selection and use of such methods
- Autonomous learning and development: students will be intellectually stimulated and encouraged to critically challenge and question all areas of Forensics and Investigative sciences with an open mind
- Responsible Ethical Standards: students will be taught and encouraged to demonstrate the highest standards of professional and ethical conduct and to take into consideration the public interest

15. **Teaching, learning and assessment procedures**: Online sessions delivered through our Institutional platform (MS Teams), access to study material on MS Teams and

our Digital Library for independent study, in-presence sessions and laboratories (if applicable) under the guidelines provided by lecturers and their assistants. Assessments are in- presence or online depending on the type of assessment.

16. **Type of Assessment:** Written examination, laboratory report and research assignment (Teaching and learning methodologies available in the Course outlines)
17. **Registration Method:** Online on EFI Admission Portal
18. **Next Intake:** October every Academic Year
19. **Pass Rate:** > 40% (EFI grading system)
20. **Grading system**

Learning Outcome Score	Percentage Equivalent	Description	Honours Degree Classification	Other Award Classification	Qualitative Description
10	100	Pass	First	**High Distinction**	Student has achieved the Learning outcome with no issues noted
7-9	70 - 99	Pass	First	Distinction	Student has achieved the Learning outcome with minimal and/or negligible Issues
6	60 - 69	Pass	Upper Second	Merit	Student has achieved the Learning outcome with minor but non-negligible issues
5	50 - 59	Pass	Lower Second	Pass	Student has achieved the learning outcome with non-negiglible Issues
4	40 - 49	Pass	Third	Pass	Student has achieved the learning outcome with significant non-negligible issues
1-3	1-39	Fail	Fail	Fail	Student has NOT achieved the learning outcome with significant issues noted
0	0	Fail	Fail	Fail	Student did not answer question

21. **Registration:** admission process, a step-by-step-guide and other information are available on our website - https://www.eufor.eu/education/admission/
22. Identity Malta's VISA requirement for third country nationals: https://www.identitymalta.com/unit/central-visa-unit/
23. **Contact Details:** available on our website (https://www.eufor.eu/contact-us/)
24. **Address:** Malta Life Sciences Park, Sir Temi Zammit Buildings – SGN 3000, San Gwann.

History of Forensic Sciences and International Police Organizations (4 ECTS)

Competences – at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Define the forensic science and list its main disciplines.
b) Identify the origins of the forensic sciences and their evolution up to these days.

Knowledge – at the end of the module/unit the learner will have been exposed to the following:

a) Lessons in contact with the lecturer to know the scientists involved in the field of forensic science, their contribution to the evolution of forensic science and the origin and purpose of international police organizations committed to the fight against national and international crime.
b) Student's personal study of books and documents suggested by the lecturer
c) Personal research activity assigned and discussed with the lecturer, also analyzing some of the most famous criminal cases in history.

Skills – at the end of the module/unit the learner will have acquired the following skills: Applying knowledge and understanding. The learner will be able to:

a) Understand the evolution of Criminalistics in the past 40 years.
b) Identify the purpose of the different components of forensic laboratory.
c) Determine when the evidence is admissible.
d) Recognize the contribution of the pioneers of Criminalistics.

Judgment Skills and Critical Abilities
The learner will be able to:

a) Recognize the several national and international organizations working in the field of forensic sciences.
b) Discern the structural conformation of Interpol.

Module-Specific Communication Skills
The learner will be able to:

a) Collaborate with the appropriate Police units, nationally and internationally, depending on their specific work field.

Module-Specific Learner Skills
The learner will be able to:

a) Organize the personal programme of education and cultural and professional training with a multidisciplinary approach.
b) Acquire knowledge useful to understand the scientific evolution of the different fields of the forensic sciences, the elements they share and the prospect of new developments and the extension of the forensic sciences to new scientific fields.

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Conduct web research through historical archives and other sources of information available through the internet.

Techniques of Investigation and Intelligence (10 ECTS)

Competences – at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Develop a simple model of forensic intelligence.
b) Structurally develop an investigation in the forensic field.
c) Choose an investigative team suitable for the activity.

Knowledge – at the end of the module/unit the learner will have been exposed to the following:

a) Lessons in contact with the lecturer to learn the fundamentals of investigative criminology, investigative techniques, methods of establishment of an investigative team, management of an investigative activity and the techniques and models of forensic intelligence.
b) Student's personal study of books and documents suggested by the lecturer.
c) Personal research activity assigned and discussed with the lecturer.

Skills – at the end of the module/unit the learner will have acquired the following skills:
Applying knowledge and understanding
The learner will be able to:

a) Understand the requirements of an investigative activity.
b) Identify the appropriate investigative team for the investigative activity.
c) Create a management model of the investigation.
d) Understand and use a model of forensic intelligence.

Judgment Skills and Critical Abilities
The learner will be able to:

a) Recognize the investigative requirement, the correct investigative model and the expert team.
b) Evaluate the quality of the activities carried out by an investigative team.
c) Consider which corrections to apply to improve the investigative activity.
d) Efficiently manage a system of forensic intelligence.

Module-Specific Communication Skills
The learner will be able to:

a) Work with appropriate Police units, nationally and internationally, depending on their specific operational field.

Module-Specific Learner Skills
The learner will be able to:

a) Begin to organize and manage a system of forensic intelligence.
b) Manage a simple and mid-level investigation with a team including some members.
c) Use techniques and technologies useful in the investigative field.
d) Write a descriptive report of the activity carried out.

e) Conduct a criminological analysis of the criminal event.

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Conduct web research on specific topics through the internet.
b) Use software useful to create a forensic intelligence model.
c) Prepare reports using editing software.

Research Methods and Professional Ethics (4 ECTS)

Competences - at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Identify, select and apply appropriate statistical methods for analytical data interpretation.
b) Analyse data using numerical and analytical skills
c) Present research findings using appropriate channels
d) Identify and conduct themselves in accordance to professional ethical standards
e) Appreciate the importance of professional ethics

Knowledge - at the end of the module/unit the learner will have been exposed to the following:

a) Types of research
b) Statistical methods and data management
c) Channels to present research findings – publication or presentation
d) Professional Ethical Standards

Skills - at the end of the module/unit the learner will have acquired the following skills: Applying knowledge and understanding. The learner will be able to:

a) Understand the importance of critical analysis in analytical research and data presentation.
b) Apply numerical and analytical skills to interpret data
c) Present findings of research
d) Conduct themselves ethically and professionally

Judgment Skills and Critical Abilities
The learner will be able to:

a) Apply numerical and analytical skills to form a conclusion on interpreted data
b) Identify when ethical standards could be compromised and take steps to prevent it when possible.

Module-Specific Communication Skills
The learner will be able to:

a) Identify the appropriate channel to communicate findings of a research – written publication or oral presentation
b) Present the findings of a research
c) Raise red flags and report breach of ethical standards to the relevant authority or supervisory body

Module-Specific Learner Skills
The learner will be able to:

a) Assesses own professional conduct

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Effectively use a statistical software to analyse data

Crime Scene Investigation and Documentation (12 ECTS)

Competences – at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Manage the activities on the crime scene and on the collected evidence until delivered to the custody place. E.g., Setting the outer and inner cordon and protecting the scene including creating risk assessments where appropriate.
b) Correctly choose the procedures of collection of what is found on the crime scene making appropriate choices in sequentially dealing with different forms of evidence.

Knowledge – at the end of the module/unit the learner will have been exposed to the following:

a) Lessons in contact with the lecturer to learn the instrumental techniques of evidence collection, used for the compositional, structural and morphological characterization of samples/evidence available in small amounts and/or concentration in complex and/or latent matrixes.
b) Student's personal study of books and documents suggested by the lecturer.
c) Personal research activities assigned and discussed with the lecturer.
d) Discussion and analysis of real cases with the lecturer during the lessons.
e) Practical laboratory and field activities to learn how to work appropriately on the crime scene, being able to preserve and document the scene and to collect the relevant evidence.

Skills – at the end of the module/unit the learner will have acquired the following skills: Applying knowledge and understanding. The learner will be able to:

a) Choose and use identification techniques for tangible and latent evidence and its classification and documentation through chemical and physical procedures.
b) Choose and use techniques of physical evidence collection and sampling.
c) Independently conduct an analysis of a complex crime scene, from the first access to the reporting with complete collection of the material present on the scene.

Judgment Skills and Critical Abilities
The learner will be able to:

a) Perform the role of expert witness or consultant in legal proceedings, reaching conclusions, which are autonomous, concrete and not depending on the role performed for the Parties and which take into consideration the complex of circumstantial information and scientific implications, often interdisciplinary.
b) Evaluate with balance the probative value of a technical implication, also considering the measurement uncertainty.

Module-Specific Communication Skills
The learner will be able to:

a) Effectively cooperate with professionals belonging to different fields, especially with Judicial Police Officers, lawyers and consultants.
b) Write technical-scientific reports for Judges and Lawyers, understandable to non-professional figures, but complying with technical-scientific argumentation.

c) Orally express the technical-scientific procedures conducted, their meanings and the conclusions coming from such interpretation, in a concise, coherent and well-focused way, also relying on audiovisual systems and dynamics reconstruction programmes.

Module-Specific Learner Skills
The learner will be able to:

a) Organize the personal programme of education and cultural and professional training with a multidisciplinary approach.
b) Gain competences on emerging scientific fields, new forensic instrumental developments and innovative research topics, through the learning from highly complex technical-scientific books, monographs and scientific periodicals.

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Write a report using computer and editing software.
b) Operate with digital imaging and videos.
c) Conduct web research on standards and materials.

Physiological Psychology (10 ECTS)

Competences - at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Interpret the sense and meaning of physiological psychology;
b) Create the conditions for a better observation of physiological phenomena of behaviour;
c) Autonomously reach conclusions regarding the results of research conducted on the topics covered in this module;
d) Sustain conversations about the topics of this module using a correct scientific terminology;
e) Correctly interpret scientific texts regarding neurosciences;
f) Conduct in-depth research on neuroscientific topics.

Knowledge - at the end of the module/unit the learner will have been exposed to the following:

a) Self-study of the teaching material developed by the lecturer and of the recommended textbook;
b) Personal research activity assigned by the lecturer and discussed with the lecturer;
c) Discussion and analysis of real cases;
d) The interaction with the lecturer will be through digital communication channels (e-mail, virtual meetings, etc.).

Skills - at the end of the module/unit the learner will have acquired the following skills: Applying knowledge and understanding. The learner will be able to:

a) Use the gained knowledge to understand how behavioural problems are detected, both with traditional and modern techniques of neuroimaging;
b) Communicate information, ideas, problems and solutions in the context of a basic neuroscientific research;
c) Interact with medical-forensic experts, such as coroners, psychiatrists and forensic neuropsychologists;
d) Know physiological mechanisms on which decisional processes are based;
e) Combine the knowledge of psychology applied to the management of critical contexts with the knowledge offered by modern neurosciences.

Judgment Skills and Critical Abilities
The learner will be able to:

a) Critically analyse physiological phenomena related to cognitive and dynamic psychological processes, both conscious and unconscious;
b) Determine the quality of information available for the basic analysis of an emotional state or a social behaviour from a physiological point of view;
c) Conduct a basic descriptive neuroscientific research activity based on a rigorous scientific method.

Module-Specific Communication Skills
The learner will be able to:

a) Communicate personal ideas to colleagues regarding chosen procedures already applied or to be applied;
b) Express in a clear and simple way the chosen control procedures and the reached conclusions;
c) Write a report in a clear and scientifically correct way, using a language understandable also to non-experts;
d) Support personal theses with valid and objective evidence.

Module-Specific Learner Skills
The learner will be able to:

a) Conduct basic studies and research on human behaviour from a neurophysiological point of view;
b) Use the concepts learnt during the course for an in-depth study of specific disciplines regarding the physiology of behaviour;
c) Develop basic psychological research projects individually or in a team.

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Write a forensic report using informatic instruments.
b) Appropriately use sources to obtain information, such as through specialist databases and online sites (eg: CSoFS journals and publications, national/international evidence databases) and be able to judge the quality of information obtained.

General Psychology (10 ECTS)

Competences – at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Interpret the sense and meaning of the psychological science;
b) Create the conditions for a better observation of cognitive and dynamic psychological phenomena;
c) Autonomously reach conclusions regarding the results of research conducted on the topics covered in this module;
d) Sustain conversations about the topics of this module using a correct scientific terminology;
e) Correctly interpret scientific texts regarding psychology;
f) Conduct in-depth research on psychological topics.

Knowledge – at the end of the module/unit the learner will have been exposed to the following:

a) Self-study of the teaching material developed by the lecturer and of the recommended textbook;
b) Personal research activity assigned by the lecturer and discussed with the lecturer;
c) Discussion and analysis of real cases;
d) The interaction with the lecturer will be through digital communication channels (e-mail, virtual meetings, etc.).

Skills – at the end of the module/unit the learner will have acquired the following skills: Applying knowledge and understanding. The learner will be able to:

a) Use the gained knowledge to identify the basic functioning of psychological and mental processes in a subject;
b) Understand emotional states, motivations, weaknesses and goals of the people whom the student interacts with;
c) Conduct a scientific and unbiased observation of people's behaviour both as individuals and inside a social context;
d) Communicate information, ideas, problems and solutions in the context of a basic criminological research;
e) Interact with experts of psychology and other disciplines that study human behaviour.

Judgment Skills and Critical Abilities
The learner will be able to:

a) Critically analyse cognitive and dynamic psychological phenomena, both conscious and unconscious;
b) Determine the quality of information available for the basic analysis of an emotional state or a social behaviour;
c) Conduct unbiased basic interviews aiming to identify a person's cognitive and emotional condition;
d) Conduct a basic psychological research activity based on a rigorous scientific method.

Module-Specific Communication Skills
The learner will be able to:

a) Communicate personal ideas to colleagues regarding chosen procedures already applied or to be applied;
b) Express in a clear and simple way the chosen control procedures and the reached conclusions;
c) Write a report in a clear and scientifically correct way, using a language understandable also to non-experts;
d) Support personal theses with valid and objective evidence.

Module-Specific Learner Skills
The learner will be able to:

a) Conduct basic studies and research on the behaviour of a human being as an individual and inside a social context;
b) Use the concepts learnt during the course for an in-depth study of specific disciplines regarding deviant and criminal behaviour and factors of victimization;
c) Develop basic psychological research projects individually or in a team.

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Write a psychological report using informatic instruments;
b) Appropriately use sources to obtain information, such as through specialist databases and online sites (eg: CSoFS journals and publications, national/international evidence databases) and be able to judge the quality of information obtained.

General Criminology (10 ECTS)

Competences – at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Interpret the sense and meaning of criminology in relation to sciences studying crimes and deviance;
b) Create the conditions for a better observation of criminal phenomena, including risk factors;
c) Autonomously reach conclusions regarding the results of research conducted on the topics covered in this module;
d) Sustain conversations about the topics of this module using a correct scientific terminology;
e) Correctly interpret scientific texts regarding criminological sciences;
f) Conduct in-depth research on the topics covered in this module.

Knowledge – at the end of the module/unit the learner will have been exposed to the following:

a) Self-study of the teaching material developed by the lecturer and of the recommended textbook;
b) Personal research activity assigned by the lecturer and discussed with the lecturer;
c) Discussion and analysis of real cases;
d) The interaction with the lecturer will be through digital communication channels (e-mail, virtual meetings, etc.).

Skills – at the end of the module/unit the learner will have acquired the following skills: Applying knowledge and understanding. The learner will be able to:

a) Use the gained knowledge to identify psychological or social conditions of distress that can encourage a deviant or criminal conduct;
b) Understand emotional states, motivations, weaknesses and goals of the people whom the student interacts with;
c) Conduct a scientific and unbiased observation of people's behaviour both as individuals and inside a social context;
d) Communicate information, ideas, problems and solutions in the context of a basic criminological research;
e) Interact with criminologists, psychologists, sociologists and experts of other disciplines that study both individual and group deviant behaviour.

Judgment Skills and Critical Abilities
The learner will be able to:

a) Critically analyse social phenomena and situations predictive of deviant or criminal behaviour;
b) Determine the quality of information available for the basic analysis of a potentially deviant individual or group;
c) Conduct unbiased basic interviews aiming to identify social distress;
d) Conduct a basic criminological research activity based on a rigorous scientific method.

Module-Specific Communication Skills
The learner will be able to:

a) Communicate personal ideas to colleagues regarding chosen procedures already applied or to be applied;
b) Express in a clear and simple way the chosen control procedures and the reached conclusions;
c) Write a report in a clear and scientifically correct way, using a language understandable also to non-experts;
d) Support personal theses with valid and objective evidence.

Module-Specific Learner Skills
The learner will be able to:

a) Conduct basic studies and research on social behaviour;
b) Use the concepts learnt during the course for an in-depth study of specific disciplines regarding deviant and criminal behaviour and factors of victimization;
c) Develop basic criminological research projects individually or in a team.

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Write a psychological report using informatic instruments;
b) Appropriately use sources to obtain information, such as through specialist databases and online sites (eg: CSoFS journals and publications, national/international evidence databases) and be able to judge the quality of information obtained.

Criminal and Forensic Psychology (12 ECTS)

Competences – at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Interpret the sense and meaning of criminal psychology in relation to criminal investigation;
b) Create the conditions for a better observation of criminal phenomena and legal proceedings, including risk factors;
c) Autonomously reach conclusions regarding the results of research conducted on the topics covered in this module;
d) Sustain conversations about the topics of this module using a correct scientific terminology;
e) Correctly interpret scientific texts regarding forensic psychological and criminological sciences;
f) Conduct in-depth research on the topics covered in this module.

Knowledge – at the end of the module/unit the learner will have been exposed to the following:

a) Self-study of the teaching material developed by the lecturer and of the recommended textbook;
b) Personal research activity assigned by the lecturer and discussed with the lecturer;
c) Discussion and analysis of real cases;
d) The interaction with the lecturer will be through digital communication channels (e-mail, virtual meetings, etc.).

Skills – at the end of the module/unit the learner will have acquired the following skills: Applying knowledge and understanding. The learner will be able to:

a) Use the gained knowledge to correctly act in the legal field and interact with police forces and other professionals (lawyers, judges, expert witnesses, etc.);
b) Understand emotional states, motivations, weaknesses and goals of the people whom the student interacts with;
c) Conduct a scientific and unbiased observation of the behaviour of accused people, victims and witnesses, in a legal proceeding;
d) Communicate information, ideas, problems and solutions in the context of a basic criminological research;
e) Interact with the judicial Authority and also with criminologists, psychologists, sociologists and experts of other disciplines that study both individual and group deviant behaviour.

Judgment Skills and Critical Abilities
The learner will be able to:

a) Critically analyse phenomena, people and environmental conditions involved in a crime, both by verifying and falsifying hypotheses;
b) Determine the quality of information available for the basic analysis of a potentially guilty individual or group;
c) Conduct unbiased investigative interviews and conversations aiming to identify guilt, distress or a condition of victimization;

d) Conduct a basic criminological research activity based on a rigorous scientific method.

Module-Specific Communication Skills
The learner will be able to:

a) Communicate personal ideas to colleagues regarding chosen procedures already applied or to be applied;
b) Express in a clear and simple way the chosen control procedures and the reached conclusions;
c) Write a report in a clear and scientifically correct way, using a language understandable also to non-experts;
d) Support personal theses with valid, empirical and objective theories and evidence.

Module-Specific Learner Skills
The learner will be able to:

a) Conduct basic studies and research on criminal behaviour;
b) Use the concepts learnt during the course for an in-depth study of specific disciplines regarding deviant and criminal behaviour and factors of victimization;
c) Develop basic criminological research projects individually or in a team.

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Write a psychological report using informatic instruments;
b) Appropriately use sources to obtain information, such as through specialist databases and online sites (eg: CSoFS journals and publications, national/international evidence databases) and be able to judge the quality of information obtained.

European and International Criminal Law (10 ECTS)

Competences – at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Recognize the influence of the European law and the jurisprudence of European Courts on the national criminal justice system, referring to the acquired notions regarding the principle of legality in the criminal law.
b) Recognize the method of reference to political-criminal principles also in the international criminal justice system.

Knowledge – at the end of the module/unit the learner will have been exposed to the following:

a) Lessons in contact with the lecturer to learn the theory and the procedural aspects of the discipline, aiming to transmit the operational ability necessary to apply the acquired knowledge when the law professionals and workers deal with regulations coming from European and international sources, including the field of criminal law.
b) Student's personal study of books and documents suggested by the lecturer.
c) Personal research activity assigned and discussed with the lecturer.
d) Discussion and analysis of real cases with the lecturer during the lessons.

Skills – at the end of the module/unit the learner will have acquired the following skills:
Applying knowledge and understanding. The learner will be able to:

a) Explain the basics of the progressive europeanization of criminal law, summarize the results in a concise and complete way and correctly use the technical language.

Judgment Skills and Critical Abilities
The learner will be able to:

a) Independently evaluate the problems connected with the opening of the criminal justice system to a supranational dimension and identify the consequences due to the limits of international criminal law.

Module-Specific Communication Skills
The learner will be able to:

a) Update and enlarge the personal knowledge, by autonomously gleaning information from books, scientific articles, documents of the field, in order to correctly identify the guidelines to solve the case.

Module-Specific Learner Skills
The learner will be able to:

a) Organize the personal programme of education and cultural and professional training with a multidisciplinary approach.
b) Enrich and integrate the institutional programme with European and international experts in law.

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Gather information from online sources.

Computer Forensics (10 ECTS)

Competences – at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Acquire digital evidence.
b) Analyze digital evidence, RAW searches and virtualization.
c) Create the final report and present it to the Court.

Knowledge – at the end of the module/unit the learner will have been exposed to the following:

a) Lessons in contact with the lecturer to learn the theory and the procedural aspects of the discipline, specifically referring to the basics of informatics and the structure of simple and complex informatic systems, the management of the analyzed device, the creation of digital forensic images and HASH codes and evidence analysis techniques.
b) Student's personal study of books and documents suggested by the lecturer.
c) Personal research activity assigned and discussed with the lecturer.
d) Discussion and analysis of real cases with the lecturer during the lessons.
e) Practical laboratory and field activities aiming to teach how to operate on the analyzed devices, create a digital forensic image, extract the HASH codes, work with different types of file formats and test their search methodologies, analyze computer filesystems and hardware, understand how to provide first response.

Skills – at the end of the module/unit the learner will have acquired the following skills: Applying knowledge and understanding. The learner will be able to:

a) Handle evidence on the scene
b) Acquire digital evidence (physical acquisition, network acquisition, live acquisition)
c) Export results
d) Write a report

Judgment Skills and Critical Abilities
The learner will be able to:

a) Check a digital forensic image.
b) Perform a digital forensic analysis.
c) Document all the steps of a digital forensic analysis.
d) Evaluate the documentation and the devices submitted for the forensic analysis.
e) Ask the appropriate information to authorities and clients.
f) Evaluate the digital forensic analysis carried out by other experts.
g) Choose the appropriate hardware and software instrumentation for the job.

Module-Specific Communication Skills
The learner will be able to:

a) Communicate personal ideas regarding the procedural analysis choices, made or to be made, to colleagues and co-workers.
b) Simply and clearly explain the chosen method and the reached conclusions also in

Court.

c) Write a report in a correct and clear way, understandable also to non-expert people.
d) Support the personal thesis with valid and objective foundations.

Module-Specific Learner Skills
The learner will be able to:

a) Develop innovative research or in-depth study projects, also experimental, carried out alone or in a team.

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Write a report using computer and editing software.
b) Operate with specific digital forensics software.

Witness psychology, behavioural analysis and interrogation techniques (8 ECTS)

Competences – at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Interpret the sense and meaning of psychology in relation to sciences studying crime, testimony and investigation;
b) Create the conditions for a better observation of accused people, witnesses or victims and their verbal and non-verbal behaviour in legal and investigative contexts;
c) Autonomously reach conclusions regarding the results of research conducted on the topics covered in this module;
d) Sustain conversations about the topics of this module using a correct scientific terminology;
e) Correctly interpret scientific texts regarding psychological and criminological sciences;
f) Conduct in-depth research on the topics covered in the module.

Knowledge – at the end of the module/unit the learner will have been exposed to the following:

a) Self-study of the teaching material developed by the lecturer and of the recommended textbook;
b) Personal research activity assigned by the lecturer and discussed with the lecturer;
c) Discussion and analysis of real cases, videos and pictures;
d) The interaction with the lecturer will be through digital communication channels (e-mail, virtual meetings, etc.).

Skills – at the end of the module/unit the learner will have acquired the following skills: Applying knowledge and understanding. The learner will be able to:

a) Use the gained knowledge to identify psychological and environmental conditions that can alter memory and invalidate the testimony;
b) Understand emotional states, motivations, weaknesses and goals of the people whom the student interacts with;
c) Conduct a scientific and unbiased observation of people on trial (accused) or interviewed during the proceeding (witnesses and victims);
d) Communicate information, ideas, problems and solutions in the context of a basic criminological research;
e) Interact with judges, prosecutors, lawyers, judicial police, criminologists, psychologists, sociologists and experts of other disciplines that study both individual and group deviant behaviour.

Judgment Skills and Critical Abilities
The learner will be able to:

a) Critically analyse and observe the witness's verbal and non-verbal behaviour;
b) Determine the quality of information available for the basic analysis of a potentially deviant individual or group;
c) Conduct unbiased basic interviews aiming to identify the criminal event;

d) Conduct a basic psycho-criminal and criminological research activity based on a rigorous scientific method.

Module-Specific Communication Skills
The learner will be able to:

a) Communicate personal ideas to colleagues regarding chosen procedures already applied or to be applied;
b) Express in a clear and simple way the chosen control procedures and the reached conclusions;
c) Write a report in a clear and scientifically correct way, using a language understandable also to non-experts;
d) Support personal theses with objective, empirical and valid evidence.

Module-Specific Learner Skills
The learner will be able to:

a) Conduct basic studies and research regarding the analysis of behaviour and the investigated context;
b) Use the concepts learnt during the course for an in-depth study of specific disciplines regarding deviant and criminal behaviour, its investigation and factors of victimization;
c) Develop basic criminological research projects individually or in a team.

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Write a psychological report using informatic instruments;
b) Appropriately use sources to obtain information, such as through specialist databases and online sites (eg: CSoFS journals and publications, national/international evidence databases) and be able to judge the quality of information obtained.

Forensic Medicine and Toxicology (8 ECTS)

Competences – at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Interpret the sense and meaning of Forensic Medicine in relation to sciences studying crime and deviance;
b) Study morphological data of Forensic Medicine;
c) Autonomously reach conclusions regarding the results of research conducted on the topics covered in this module;
d) Sustain conversations about the topics of this module using a correct scientific terminology;
e) Correctly interpret scientific texts regarding criminological and criminalistic sciences;
f) Conduct in-depth research on the topics covered in this module.

Knowledge – at the end of the module/unit the learner will have been exposed to the following:

a) Self-study of the teaching material developed by the lecturer and of the recommended textbook;
b) Personal research activity assigned by the lecturer and discussed with the lecturer;
c) Discussion and analysis of real cases;
d) The interaction with the lecturer will be through digital communication channels (e-mail, virtual meetings, etc.).

Skills – at the end of the module/unit the learner will have acquired the following skills:
Applying knowledge and understanding - The learner will be able to:

a) Use the gained knowledge to understand the descriptive, evaluative and interpretative methodology of Forensic Medicine and Toxicology;
b) Analyse the real relevance of Forensic Medicine in individual and peculiar legal cases;
c) Explore the "criminological dimension" of Forensic Medicine to get to understand how morphological data can actually help the broad study of criminal phenomena.

Judgment Skills and Critical Abilities
The learner will be able to:

a) Critically analyse legal cases related to forensic biomedical disciplines;
b) Interpret traumatic lesions and post-mortem thanatological phenomena;
c) Understand the condition of imputability and the reasons excluding it;
d) Conduct a basic research activity in the field of Forensic Medicine based on a rigorous scientific method.

Module-Specific Communication Skills
The learner will be able to:

a) Communicate personal ideas to colleagues regarding chosen procedures already applied or to be applied;

b) Express in a clear and simple way the chosen control procedures and the reached conclusions;
c) Write a report in a clear and scientifically correct way, using a language understandable also to non-experts;
d) Support personal theses with valid and objective evidence.

Module-Specific Learner Skills
The learner will be able to:

a) Conduct basic studies and research related to Forensic Medicine;
b) Use the concepts learnt during the course for an in-depth study of specific disciplines regarding Forensic Medicine and Toxicology;
c) Develop basic criminological research projects individually or in a team.

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Write a psychological report using informatic instruments;
b) Appropriately use sources to obtain information, such as through specialist databases and online sites (eg: CSoFS journals and publications, national/international evidence databases) and be able to judge the quality of information obtained.

Prison Psychology (6 ECTS)

Competences – at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Interpret the field and role of prison psychology in relation to sciences that study crime and deviance;
b) Create the conditions for a better observation of perpetrators of crimes and their personality;
c) Autonomously reach conclusions regarding the results of research conducted on the topics covered in this module;
d) Sustain conversations about the topics of this module using a correct scientific terminology;
e) Correctly interpret scientific texts regarding the prison system;
f) Conduct in-depth research on the topics covered in this module.

Knowledge – at the end of the module/unit the learner will have been exposed to the following:

a) Self-study of the teaching material developed by the lecturer and of the recommended textbook;
b) Personal research activity assigned by the lecturer and discussed with the lecturer;
c) Discussion and analysis of the prisoners' life stories;
d) The interaction with the lecturer will be through digital communication channels (e-mail, virtual meetings, etc.).

Skills – at the end of the module/unit the learner will have acquired the following skills: Applying knowledge and understanding. The learner will be able to:

a) Use the gained knowledge to identify psychological or social conditions of distress that can encourage deviant or criminal conduct inside prisons;
b) Understand emotional states, motivations, weaknesses and goals of the people whom the student interacts with;
c) Conduct a scientific and unbiased observation of people's behaviour in the prison context;
d) Interact with criminologists, psychologists, sociologists and experts of other disciplines that study both individual and group deviant behaviour, especially inside a prison.

Judgment Skills and Critical Abilities
The learner will be able to:

a) Critically analyse social phenomena and situations predictive of deviant behaviour, criminal escalation and social dangerousness;
b) Determine the quality of information available for the basic analysis of a potentially deviant individual or group;
c) Conduct unbiased interviews for social and educational rehabilitation;
d) Conduct a basic criminological research activity based on a rigorous scientific method.

Module-Specific Communication Skills
The learner will be able to:

a) Communicate personal ideas to colleagues regarding chosen procedures already applied or to be applied, supporting teamwork;
b) Express in a clear and simple way the chosen control procedures and the reached conclusions;
c) Write a report in a clear and scientifically correct way, using a language understandable also to non-experts;
d) Support personal theses with valid and objective evidence.

Module-Specific Learner Skills
The learner will be able to:

a) Conduct basic studies and research on criminal behaviour;
b) Use the concepts learnt during the course for an in-depth study of specific disciplines regarding deviant and criminal behaviour and factors of resocialization-rehabilitation (outside job, probation, etc.);
c) Develop basic psychological research projects individually or in a team.

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Write a psychological report using informatic instruments;
b) Appropriately use sources to obtain information, such as through specialist databases and online sites (eg: CSoFS journals and publications, national/international evidence databases) and be able to judge the quality of information obtained.

Neurocriminology (6 ECTS)

Competences - at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Interpret the sense and meaning of neuroscience applied to crime and deviance;
b) Create the conditions for a better observation of deviant and criminal behaviour in relation to possible cerebral anomalies;
c) Autonomously reach conclusions regarding the results of research conducted on the topics covered in this module;
d) Sustain conversations about the topics of this module using a correct scientific terminology;
e) Correctly interpret scientific texts regarding neurosciences;
f) Conduct in-depth research on neuroscientific topics.

Knowledge - at the end of the module/unit the learner will have been exposed to the following:

a) Self-study of the teaching material developed by the lecturer and of the recommended textbook;
b) Personal research activity assigned by the lecturer and discussed with the lecturer;
c) Discussion and analysis of real cases;
d) The interaction with the lecturer will be through digital communication channels (e-mail, virtual meetings, etc.).

Skills - at the end of the module/unit the learner will have acquired the following skills: Applying knowledge and understanding. The learner will be able to:

a) Use the gained knowledge to understand how behavioural problems are detected, both with traditional and modern techniques of neuroimaging;
b) Know and understand the neurobiological bases of perceptive, emotional and cognitive processes having a criminological relevance;
c) Evaluate neurobiological and neurophysiological mechanisms, also pathological, related to criminal behaviour;
d) Communicate information, ideas, problems and solutions in the context of a basic neuroscientific research;
e) Interact with medical-forensic experts, such as coroners, psychiatrists and forensic neuropsychologists;
f) Know physiological mechanisms on which decisional processes are based.

Judgment Skills and Critical Abilities - The learner will be able to:

a) Critically analyse neurobiological and neurophysiological phenomena related to cognitive and dynamic psychological processes, conscious and unconscious;
b) Determine the quality of information available for the basic analysis of an emotional state or a social behaviour from a cerebral point of view;
c) Conduct a basic descriptive neurocriminological research activity based on a rigorous scientific method.

Module-Specific Communication Skills - The learner will be able to:

a) Communicate personal ideas to colleagues regarding chosen procedures already applied or to be applied;
b) Express in a clear and simple way the chosen control procedures and the reached conclusions;
c) Write a report in a clear and scientifically correct way, using a language understandable also to non-experts;
d) Support personal theses with valid and objective evidence.

Module-Specific Learner Skills
The learner will be able to:

a) Conduct basic studies and research on human behaviour from a neurocriminological point of view;
b) Use the concepts learnt during the course for an in-depth study of specific disciplines regarding the neurobiology and neurophysiology of criminal behaviour;
c) Develop basic neurocriminological research projects individually or in a team.

Module-Specific Digital Skills and Competences - The learner will be able to:

a) Write a forensic report using informatic instruments.
b) Appropriately use sources to obtain information, such as through specialist databases and online sites (eg: CSoFS journals and publications, national/international evidence databases) and be able to judge the quality of information obtained.

Forensic Entomology and Archaeology (6 ECTS)

Competences – at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Analyse the crime scene to identify, document and collect biological evidence.
b) Proficiently apply the basic principles of forensic entomology and forensic archaeology to crime scene investigation.

Knowledge – at the end of the module/unit the learner will have been exposed to the following:

a) Lessons in contact with the lecturer to learn the theory and the procedural aspects of the discipline, aiming also to correctly interpret the results and report the activity carried out.
b) Student's personal study of books and documents suggested by the lecturer.
c) Personal research activities assigned and discussed with the lecturer.
d) Discussion and analysis of real cases with the lecturer during theoretical and practical lessons.

Skills – at the end of the module/unit the learner will have acquired the following skills: Applying knowledge and understanding. The learner will be able to:

a) Work autonomously or in group on the crime scene.
b) Obtain the necessary information from the crime scene.
c) Correctly collect the pieces of evidence.
d) Know the techniques of evidence analysis.
e) Work in a biological laboratory.
f) Ask the appropriate information to the authorities.
g) Write a forensic report.
h) Express the conclusions in an appropriate way.

Judgment Skills and Critical Abilities
The learner will be able to:

a) Perform the role of expert witness or consultant in legal proceedings, reaching conclusions, which are autonomous, concrete and not depending on the role performed for the Parties and which take into consideration the complex of circumstantial information and scientific implications, often interdisciplinary.
b) Evaluate with balance the probative value of a technical result, also considering the measurement uncertainty.

Module-Specific Communication Skills
The learner will be able to:

a) Effectively cooperate with professionals belonging to different fields, especially with Judicial Police Officers, lawyers and consultants.
b) Write technical-scientific reports for Judges and Lawyers, understandable to non-professional figures, but complying with technical-scientific argumentation.
c) Orally express the technical-scientific procedures conducted, their meanings and the

conclusions coming from such interpretation, in a concise, coherent and well-focused way, also relying on audio-visual systems and dynamics reconstruction programmes.

Module-Specific Learner Skills
The learner will be able to:

a) Analyse entomological evidence in order to estimate post-mortem interval and intervening events at the crime scene.
b) Know the biomolecular instrumentation of forensic entomology.
c) Apply different search strategies for the analysis of graves and archaeological remains.

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Write a report using computer and editing software.
b) Conduct web research on standards and materials.

Geographical Profiling (6 ECTS)

Competences – at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Assist investigators and crime analysts by providing evidence of crime scene linkage and the significance of this information, not only as court evidence but in the early stages of an investigation to identify suspects.
b) Recognize crime patterns by spatial distribution, behaviours and forensic retrievals. They will learn to recognise that identification of forensic marks is just one aspect of crime scene information and that closely located crimes with similar behavioural traits will support the forensic retrievals, ultimately aiding the investigation.
c) Understand the importance of multiple facets of a crime scene, not only forensic retrievals, but the spatial distribution of scenes and the behaviours exhibited by an offender, such as taking food or particular property types, method of entry/exit, tools used, etc.

Knowledge – at the end of the module/unit the learner will have been exposed to the following:

a) Lessons in contact with the lecturer to learn the theory and the procedures of this discipline.
b) Student's personal study of books and documents suggested by the lecturer.
c) Personal research activities assigned and discussed with the lecturer.
d) Discussion and analysis of real cases with the lecturer during the lessons.

Skills – at the end of the module/unit the learner will have acquired the following skills: Applying knowledge and understanding. The learner will be able to:

a) Deal with complex problems in the forensic field, by optimally collecting and classifying the case documentation and, finally, elaborating the final results.
b) Adequately communicate both in an oral and written form, organize and submit the material produced using computer technologies.
c) Write a forensic report.
d) Cooperate with judges, lawyers, detectives and criminalists.

Judgment Skills and Critical Abilities
The learner will be able to:

a) Identify the procedures supporting the investigative activities.
b) Identify the best devices for information collection provided to the forensic psychologist.
c) Determine the quality of the information collected for the forensic psychologist's work.
d) Establish the most suitable methods to support the activities of scientific investigation of the forensic psychologist.
e) Conduct the interview of a suspect, victim or witness with no prejudice.
f) Choose the appropriate co-workers for the specific assignment.
g) Critically evaluate the results of the personal activity and of the activity of other

professionals involved in a case.

Module-Specific Communication Skills
The learner will be able to:

a) Communicate personal ideas regarding choices, made or to be made, to colleagues and collaborators.
b) Explain the chosen analysis and investigation methods and the conclusions reached in a simple and clear way.
c) Write a forensic report in a correct and clear way, understandable also to people who are not experts of the field.
d) Support a personal thesis with valid and objective foundations.

Module-Specific Learner Skills
The learner will be able to:

a) Conduct in-depth analyses and researches on topics regarding the linking of crime scenes through multiple disciplines of forensic science, geo-spatial analysis and behavioural aspects of offending.
b) Use the acquired concepts of Geographical Profiling to support investigators and analysts in all stages of an investigation
c) Develop projects of innovative research or in-depth analysis, even experimental, conducted alone or in a team.

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Write a forensic report through computer devices helpful to the investigation team, including the Senior Investigating Officer (SIO), investigative detectives and support staff, such as crime analysts.
b) Reports will have to be rigorous in terms of accuracy, integrity and fact, as well as be capable of explanation in laymen terms to a jury.
c) They will have to be of sufficient calibre to support a prosecution and provide compelling evidence to rebut defence challenges.
d) The module relating to building a profiling model will require competence in mathematical equations and the use of MS Excel software.
e) Use internet to collect information.

Forensic Pathology and Toxicology (6 ECTS)

Competences – at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Assist a forensic pathologist in the individuation of the causes of death of a victim.
b) Carry out toxicological analysis on blood and urine using HPLC and GC-MS instruments.
c) Carry out calculations to determine whether the alcohol use/abuse represents a criminal offence.
d) Report the results of examinations and analysis.
e) Always guarantee the chain of custody and the integrity of the evidences while performing the examinations.

Knowledge – at the end of the module/unit the learner will have been exposed to the following:

a) Lessons in contact with the lecturer to learn the theory and the procedural aspects of the discipline, aiming also to correctly interpret the results and report the activity carried out.
b) Student's personal study of books and documents suggested by the lecturer.
c) Personal research activities assigned and discussed with the lecturer.
d) Discussion and analysis of real cases with the lecturer during theoretical and practical lessons.
e) Practical laboratory activities.

Skills – at the end of the module/unit the learner will have acquired the following skills: Applying knowledge and understanding. The learner will be able to:

a) Work autonomously or in group during examinations and analysis.
b) Obtain the necessary information from the examinations/analysis.
c) Know how to perform a post mortem examination.
d) Know how to correctly analyse toxicological evidences.
e) Know how to work in a bio-hazard laboratory.
f) Write a toxicological report.
g) Be an expert witness in court.

Judgment Skills and Critical Abilities
The learner will be able to:

a) Perform the role of expert witness or consultant in legal proceedings, reaching conclusions, which are autonomous, concrete and not depending on the role performed for the Parties and which take into consideration the complex of circumstantial information and scientific implications, often interdisciplinary.
b) Evaluate with balance the probative value of a technical result, also considering the measurement uncertainty.

Module-Specific Communication Skills
The learner will be able to:

a) Effectively cooperate with professionals belonging to different fields, especially with Judicial Police Officers, lawyers and consultants.
b) Write technical-scientific reports for Judges and Lawyers, understandable to non-professional figures, but complying with technical-scientific argumentation.
c) Orally express the technical-scientific procedures conducted, their meanings and the conclusions coming from such interpretation, in a concise, coherent and well-focused way, also relying on audio-visual systems and dynamics reconstruction programmes.

Module-Specific Learner Skills
The learner will be able to:

a) Understand, interpret and explain chromatograms.
b) Know the chemical instrumentation used during toxicological analyses.
c) Know how to assist a forensic pathologist in the individuation process of the cause(s) of death.

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Write a report using computer and editing software.
b) Operate with digital imaging and videos.
c) Conduct web research on standards and materials.

Video Forensics (6 ECTS)

Competences – at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Acquire images and videos.
b) Identify technical and quality issues.
c) Perform an authenticity assessment.
d) Enhance, process and analyse the material.

Knowledge – at the end of the module/unit the learner will have been exposed to the following:

a) Lessons in contact with the lecturer to learn the theory and the procedural aspects of the discipline, specifically referring to the basics of image processing, the problems and the challenges found in the acquisition of videos and pictures from different sources.
b) Student's personal study of documents suggested by the lecturer.
c) Personal research activity assigned and discussed with the lecturer.
d) Discussion and analysis of cases with the lecturer during the lessons.
e) Practical laboratory and field activities aiming to teach how to operate to enhance images and videos, create a digital forensic image, extract the hash codes, work with different types of file formats and test their search methodologies, disprove the authenticity of pictures acquired with digital devices, understand how to provide first response.

Skills – at the end of the module/unit the learner will have acquired the following skills: Applying knowledge and understanding. The learner will be able to:

a) Properly acquire images and videos
b) Enhance and reconstruct not clear features in images and videos
c) Understand when to get something clearer
d) Export results
e) Write a report

Judgment Skills and Critical Abilities
The learner will be able to:

a) Check a digital forensic image.
b) Perform a digital forensic analysis.
c) Document all the steps of a digital forensic analysis.
d) Evaluate the documentation and the devices submitted for the forensic analysis.
e) Ask the appropriate information to authorities and clients.
f) Evaluate the digital forensic analysis carried out by other experts.
g) Choose the appropriate hardware and software instrumentation for the job.

Module-Specific Communication Skills
The learner will be able to:

a) Communicate personal ideas regarding the procedural analysis choices, made or to

be made, to colleagues and co-workers.

b) Simply and clearly explain the chosen method and the reached conclusions also in Court.
c) Write a report in a correct and clear way, understandable also to non-expert people.
d) Support the personal thesis with valid and objective foundations.

Module-Specific Learner Skills

The learner will be able to:

a) Develop innovative research or in-depth study projects, also experimental, carried out alone or in a team.

Module-Specific Digital Skills and Competences

The learner will be able to:

a) Write a report using computer and editing software.
b) Manage digital image and video evidence to preserve its quality and its value as evidence
c) Operate with specific video forensics software.

Applied Criminology for Criminal Investigation and Security (14 ECTS)

Competences - at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Interpret the sense and meaning of criminology in relation to disciplines dealing with criminal investigation, prevention and repression of crimes and of critical situations;
b) Create the conditions for a better observation of criminal phenomena, including risk factors;
c) Understand the security requirements of different contexts (police, urban security, company, etc);
d) Autonomously reach conclusions regarding the results of research conducted on the topics covered in this module;
e) Sustain conversations about the topics of this module using a correct technical and scientific terminology;
f) Correctly interpret scientific texts regarding criminological and security sciences;
g) Conduct in-depth research on the topics covered in this module.

Knowledge - at the end of the module/unit the learner will have been exposed to the following:

a) Self-study of the teaching material developed by the lecturer and of the recommended textbook;
b) Personal research activity assigned by the lecturer and discussed with the lecturer;
c) Discussion and analysis of real cases;
d) The interaction with the lecturer will be through digital communication channels (e-mail, virtual meetings, etc.).

Skills - at the end of the module/unit the learner will have acquired the following skills: Applying knowledge and understanding. The learner will be able to:

a) Use the gained knowledge to identify psychological or social conditions of distress that can encourage a deviant or criminal conduct, also using modern techniques of investigation offered by social neurosciences;
b) Conduct a scientific and unbiased observation of people's behaviour both as individuals and inside a social context;
c) Communicate information, ideas, problems and solutions in the context of a basic criminological research;
d) Interact with police and emergency officers, security managers, magistrates, politicians and other subjects dealing with the prevention of crimes and the fight against illegal activities;
e) Deal with stress and teach to deal with stress in critical contexts;
f) Conduct an interview or interrogation of potential criminals, victims or witnesses;
g) Develop the criminal profile of an unknown criminal;
h) Develop the psychological and social profile of the crime victim;
i) Conduct a negotiation in emergency situations, for example with subjects who are holding hostages, threatening to commit a massacre or suicide;
j) Combine the knowledge of psychology applied for the management of critical contexts with the knowledge offered by modern neurosciences.

Judgment Skills and Critical Abilities
The learner will be able to:

a) Critically analyse social phenomena and situations predictive of deviant or criminal behaviour;
b) Critically and carefully analyse situations potentially dangerous for the safety of people and goods;
c) Determine the quality of information available for the basic analysis of a potentially deviant or criminal individual or group;
d) Conduct unbiased basic interviews aiming to identify deviant or criminal behaviour and risk factors of victimization;
e) Conduct an advanced and multidisciplinary (psychological, sociological and neuroscientific) criminological research activity based on a rigorous scientific method.

Module-Specific Communication Skills
The learner will be able to:

a) Communicate personal ideas to colleagues regarding chosen procedures already applied or to be applied;
b) Express in a clear and simple way the chosen control procedures and the reached conclusions;
c) Write a report in a clear and scientifically correct way, using a language understandable also to non-experts;
d) Support personal theses with valid and objective evidence.

Module-Specific Learner Skills
The learner will be able to:

a) Conduct advanced studies and research on the behaviour of criminals, victims and witnesses;
b) Use the concepts learnt during the course for an in-depth study of specific disciplines regarding deviant and criminal behaviour, factors of victimization and risk factors for the security of people and places;
c) Develop advanced criminological research projects individually or in a team.

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Write a forensic report using informatic instruments.
b) Appropriately use sources to obtain information, such as through specialist databases and online sites (eg: CSoFS journals and publications, national/international evidence databases) and be able to judge the quality of information obtained.

From Crime Scene to Court - Expert Witness (8 ECTS)

Competences – at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Apply the acquired knowledge in the different forms requested to an expert witness, especially referring to evidence admissibility criteria.
b) Deal with complex forensic problems, by collecting the related documentation, organizing information and choosing the experimental strategy accordingly to the parameters.
c) Apply the most appropriate approach to the new scientific evidence accordingly to the standards of the American model.

Knowledge – at the end of the module/unit the learner will have been exposed to the following:

a) Lessons in contact with the lecturer to learn the theory and procedural aspects of the discipline.
b) Student's personal study of books and documents suggested by the lecturer, also present online.
c) Personal research activity assigned and discussed with the lecturer.
d) Discussion and analysis of real cases with the lecturer during the lessons.

Skills – at the end of the module/unit the learner will have acquired the following skills:
Applying knowledge and understanding
The learner will be able to:

a) Perform the role of consultant or expert witness in judicial proceedings, reaching autonomous conclusions, respecting the admissibility standards.

Judgment Skills and Critical Abilities
The learner will be able to:

a) Independently evaluate the problems of analysis, collection and conservation of atypical evidence, respecting the criteria of standardization.
b) Understand the implications due to the limits of the analysis and evaluation of atypical evidence.
c) Autonomously evaluate the admissibility criteria of a procedure of acquisition of atypical evidence in the Italian and Anglo-Saxon criminal proceeding.
d) Confute methods and results in the dialectic of judicial proceedings.
e) Update and enlarge personal knowledge, by independently gleaning information from scientific articles and documents of the field, in order to identify the guidelines to solve the problem.

Module-Specific Communication Skills
The learner will be able to:

a) Explain in Court the evidence collection and selection parameters accordingly to internationally recognized standards through a mock court examination
b) Correctly use technical language in written reports and in Court.

c) Write reports admissible to Court such as witness statements and court reports.

Module-Specific Learner Skills
The learner will be able to:

a) Recognize the influence of scientific evidence in criminal proceedings, referring to the Jurisprudence of the United States of America and the European Court.
b) Apply the correct method to any type of atypical evidence complying with standardized criteria.
c) Distinguish the scientific evidence in criminal proceedings and in the countries belonging to the Common Law.

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Gather information from online sources.
b) Write a report using computer and editing software.

Ballistics and firearms (8 ECTS)

Competences - at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Operate in strict respect of the dictates of mathematics and physics of forensic ballistic cases.
b) Recognize correctly the firearms typologies and the related offensive characteristics.
c) Recognize correctly the specimen of shot usable in the forensic/security field.

Knowledge - at the end of the module/unit the learner will have been exposed to the following:

a) Lessons in contact with the lecturer to learn the theory and the procedural aspects of the discipline.
b) Student's personal study of books and documents suggested by the teacher.
c) Personal research activity assigned and discussed with the lecturer.
d) Discussion and analysis of real cases with the lecturer during theoretical and practical lessons.
e) Practical laboratory and field activities.

Skills – at the end of the module/unit the learner will have acquired the following skills: Applying knowledge and understanding. The learner will be able to:

a) Work in a team to deal with a case of forensic ballistics, explosives or security.
b) Obtain the necessary information from the analysis carried out.
c) Correctly collect pieces of evidence.
d) Evaluate risk situations in the security field.
e) Know the techniques of evidence analysis.
f) Ask the necessary information to the authorities.
g) Use appropriate calculation and modelling procedures for the reconstruction of the event.
h) Suggest precautionary measures in the security field.
i) Write a technical report of the analyzed event.
j) Express the conclusions in an appropriate way.

Judgment Skills and Critical Abilities
The learner will be able to:

a) Establish the methods of precautionary analysis and of the analysis after the event, in the field of security and forensic ballistics.
b) Choose the appropriate procedures for the reconstruction of the event analyzed.
c) Evaluate the quality of the information available to conduct the analysis.
d) Choose the co-workers accordingly to the necessity of the assignment.
e) Critically evaluate the results of the personal activity of reconstruction and of the activity of other professionals.

Module-Specific Communication Skills
The learner will be able to:

a) Communicate to colleagues and co-workers personal ideas regarding procedural choices, made or to be made, for the analysis and reconstruction of the event.
b) Explain in a clear and simple way the chosen reconstructive procedure and the reached conclusions.
c) Write a report in a correct and clear way, understandable also to non-experts.
d) Support personal thesis with valid and objective fundamentals.

Module-Specific Learner Skills
The learner will be able to:

a) Conduct in-depth study and research on specific themes related to forensic ballistics.
b) Apply the learnt concepts of forensic ballistics and explosives to the precautionary field of security.
c) Develop projects of innovative research or in-depth study, be it experimental, conducted alone or in a team.

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Write a report using computer and editing software.
b) Use ballistic software.
c) Conduct web research on standards and materials.

Web and Open Source Intelligence (8 ECTS)

Competences - at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Implement the Intelligence Cycle in relation to OSINT and SOCMINT.
b) Conduct advanced internet research.
c) Answer specific information requests.

Knowledge – at the end of the module/unit the learner will have been exposed to the following:

a) Lessons in contact with the lecturer to learn the general theory of the discipline and understand the principles of the Intelligence Cycle and the characteristics of OSINT and SOCMINT.
b) Student's personal study of books and documents suggested by the lecturer.
c) Personal research activity assigned and discussed with the lecturer.

Skills – at the end of the module/unit the learner will have acquired the following skills: Applying knowledge and understanding. The learner will be able to:

a) Evaluate the reliability of sources, collected data and information.
b) Synthetise information from a wide range of sources.
c) Work as security and OSINT analyst in a team.

Judgment Skills and Critical Abilities
The learner will be able to:

a) Establish the most appropriate research technique to reach the goal.
b) Critically evaluate the different types of approach to data collection.
c) Evaluate the quality of the information available and collected.
d) Choose the co-workers accordingly to the necessity of the assignment.
e) Critically evaluate the results of the personal reconstructive activity and of the activity of other professionals.

Module-Specific Communication Skills
The learner will be able to:

a) Communicate, to colleagues and collaborators, personal ideas related to information research choices, made or to be made.
b) Explain the results of the analysis.
c) Write a final report in a correct and efficient way.

Module-Specific Learner Skills
The learner will be able to:

a) Conduct an in-depth study and research on specific topics related to the discipline.
b) Carry out information research autonomously.
c) Develop projects of innovative research or in-depth study, also experimental, conducted alone or in a team.

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Perform advanced browsing.
b) Structure collected data.
c) Use a wide range of web Intelligence Open Source tools.

Final Dissertation (6 ECTS)

Competences - at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Demonstrate administrative design for original content of research
b) Be responsible for work and study contexts that are unpredictable and require that complex problems are solved
c) Undertake further studies with a high degree of autonomy including searching for and studying existing research papers on relevant field and appropriately citing the source

Knowledge - at the end of the module/unit the learner will have been exposed to the following:

a) Cross-disciplinary knowledge that includes some aspects that will be at the forefront of this field
b) Detailed theorectical and practical knowledge involving critical understanding of theories and principles in chosen field of research
c) Understanding of methods and tools available including most recent innovation in the field

Skills - at the end of the module/unit the learner will have acquired the following skills: Applying knowledge and understanding. The learner will be able to:

a) Apply cross-disciplinary knowledge and understanding acquired throughout the programme in a professional manner
b) Communicate ideas, problems and solutions using a range of techniques involving qualitative and quantitative information in a written report suitable for a professional in the field
c) Devise and sustain arguments to solve problems
d) Continuously evaluates own learning and identifies learning needs

Judgment Skills and Critical Abilities
The learner will be able to:

a) Gather and critically investigate relevant data to inform judgements that include reflection on social, scientific and/or ethical issues
b) Critically evaluate and interpret the results of the personal analysis and of the analysis of other experts involved in the research
c) Investigate and analyse, including the ability to formulate problems clearly, identify key issues, carry out a substantial independent investigation using multiple information sources and apply critical judgement to construct logical arguments

Module-Specific Communication Skills
The learner will be able to:

a) Communicate to colleagues and co-workers personal ideas regarding procedural choices, made or to be made.
b) Explain in a clear and simple way the chosen procedure and the reached

conclusions.

c) Write a report in a correct and clear way, relevant and understandable to professionals in the field
d) Present his/her findings professionally to a panel and confidently discuss any questions raised

Module-Specific Learner Skills

The learner will be able to:

a) Conduct in-depth study and research on chosen field using cross-disciplinary knowledge acquired throughout the programme
b) Develop projects of innovative research or in-depth study, be it experimental, conducted alone or in a team.

Module-Specific Digital Skills and Competences

The learner will be able to:

a) Write a 20-30 pages long dissertation using IT instruments
b) Use internet to find information
c) Where relevant, use applicable software for different needs throughout stages of research

Practical Work Experience (Internship) (16 ECTS)

Competences - at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) Search and apply for jobs which fits their interest and abilities
b) Independently perform tasks assigned to them as part of working in a team
c) Conduct and present themselves responsibly as a working professional

Knowledge - at the end of the module/unit the learner will have been exposed to the following:

a) Practical knowledge of the job market
b) Introduction to best practice and practical knowledge in the industry
c) The real world

Skills - at the end of the module/unit the learner will have acquired the following skills:
Applying knowledge and understanding. The learner will be able to:

a) Apply the knowledge and skills gained throughout their formal education in a practical manner on-the-job
b) Assess the best methods to resolve issues arising on the job including devising and sustaining arguments to solve problems
c) Independently identify problems and come up with possible solutions

Judgment Skills and Critical Abilities
The learner will be able to:

a) Make judgement based on relevant social and ethical issues that arise in field of work
b) Critically evaluate problems and solutions arising at work
c) Follow set procedures but critically assess their suitability and appropriateness and is confident in voicing their doubts, if any

Module-Specific Communication Skills
The learner will be able to:

a) Communicate ideas, problems and solutions to both specialist and non-specialist audiences using a range of techniques involving qualitative and quantitative information
b) Conduct and present themselves with language suitable of a working professional
c) Effectively and constructively communicate ideas, solutions, problems and disagreements where they arise

Module-Specific Learner Skills
The learner will be able to:

a) Consistently evaluate own learning and identify learning needs
b) Identify and assess own ability and skills to determine suitability in job/role
c) Assesses own learning and can specialize in one more key competences for further learning

Module-Specific Digital Skills and Competences
The learner will be able to:

a) Effectively use practical digital tools required by the job

BSc (Hons) Investigative Criminology and Criminal Psychology

Year 1					Percentage of Total Contact Hours		Hours of Total Learning			
Module	ECTS	MQF/EQF Level	Compulsory / Elective	Total Learning Hours	Contact Hours Delivered Online	Contact Hours Delivered Face-to-Face	Total Contact Hours	Supervised Placement and Practice Hours	Self-Study Hours	Assessment Hours
History of Forensic Sciences and International Police Organizations	4	5	Compulsory	100	100%	0%	20	0	60	20
Techniques of Investigation and Intelligence	10	5	Compulsory	250	50%	50%	50	25	165	35
Research Methods and Professional Ethics	4	5	Compulsory	100	100%	0%	20	0	60	20
Crime Scene Investigation and Documentation	12	5	Compulsory	300	34%	66%	60	40	210	30
General Psychology	10	5	Compulsory	250	100%	0%	50	0	197	3
General Criminology	10	5	Compulsory	250	100%	0%	50	0	197	3
Physiological Psychology	10	5	Compulsory	250	100%	0%	50	0	197	3

Year 2					Percentage of Total Contact Hours		Hours of Total Learning			
Module	ECTS	MQF/EQF Level	Compulsory / Elective	Total Learning Hours	Contact Hours Delivered Online	Contact Hours Delivered Face-to-Face	Total Contact Hours	Supervised Placement and Practice Hours	Self-Study Hours	Assessment Hours
European and International Criminal Law	10	6	Compulsory	250	100%	0%	50	0	170	30
Computer Forensics	10	6	Compulsory	250	36%	64%	50	32	180	20
Criminal and Forensic Psychology	12	6	Compulsory	300	100%	0%	60	0	237	3
Witness Psychology, Behavioural Analysis and Interrogation Techniques	8	6	Elective	200	100%	0%	40	0	157	3
Neurocriminology	6	6	Elective	150	100%	0%	30	0	118	2
Prison Psychology	6	6	Elective	150	100%	0%	30	0	118	2
Forensic Pathology and Toxicology	6	6	Elective	150	100%	0%	30	0	118	2
Forensic Entomology and Archaeology	6	6	Elective	150	100%	0%	30	0	118	2
Forensic Medicine and Forensic Toxicology	8	6	Elective	200	100%	0%	40	0	158	2
Geographical Profiling	6	6	Elective	150	100%	0%	30	0	118	2
Video Forensics	6	6	Elective	150	100%	0%	30	0	118	2

Year 3					Percentage of Total Contact Hours		Hours of Total Learning			
Module	ECTS	MQF/EQF Level	Compulsory / Elective	Total Learning Hours	Contact Hours Delivered Online	Contact Hours Delivered Face-to-Face	Total Contact Hours	Supervised Placement and Practice Hours	Self-Study Hours	Assessment Hours
Web and Open Source Intelligence	8	6	Compulsory	200	100%	0%	40	0	142	18
From Crime Scene to Court: Expert Witness	8	6	Compulsory	200	100%	0%	40	0	140	20
Ballistics and Firearms	8	6	Compulsory	200	60%	40%	40	16	156	4
Applied Criminology for Criminal Investigation and Security	14	6	Compulsory	350	100%	0%	70	0	277	3
Practical Work Experience	16	6	Compulsory	400	0%	100%	0	80	320	0
Final Dissertation	6	6	Compulsory	150	100%	0%	30	0	110	10