

## Subject card

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                          |                                                                                                                                                                                                                                                |                                     |                                                                                                                                                                       |            |     |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----|
| Subject name and code                       | New trends in forensics - lecture, PG_00132518                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                                                                                                                                                                                                                                                |                                     |                                                                                                                                                                       |            |     |
| Field of study                              | Nowe tendencje w kryminalistyce - wykład                                                                                                                                                                                                                                                                                                                                                                                     |                                                          |                                                                                                                                                                                                                                                |                                     |                                                                                                                                                                       |            |     |
| Date of commencement of studies             | October 2025                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                          | Academic year of realisation of subject                                                                                                                                                                                                        |                                     | 2025/2026                                                                                                                                                             |            |     |
| Education level                             | Master's studies                                                                                                                                                                                                                                                                                                                                                                                                             |                                                          | Subject group                                                                                                                                                                                                                                  |                                     | Obligatory subject group in the field of study                                                                                                                        |            |     |
| Mode of study                               | part-time studies                                                                                                                                                                                                                                                                                                                                                                                                            |                                                          | Mode of delivery                                                                                                                                                                                                                               |                                     | at the university                                                                                                                                                     |            |     |
| Year of study                               | 1                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                          | Language of instruction                                                                                                                                                                                                                        |                                     | Polish                                                                                                                                                                |            |     |
| Semester of study                           | 2                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                          | ECTS credits                                                                                                                                                                                                                                   |                                     | 3.0                                                                                                                                                                   |            |     |
| Learning profile                            | academic                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                          | Assessment form                                                                                                                                                                                                                                |                                     | exam                                                                                                                                                                  |            |     |
| Conducting unit                             | Faculty of Law and Administration -> Rector                                                                                                                                                                                                                                                                                                                                                                                  |                                                          |                                                                                                                                                                                                                                                |                                     |                                                                                                                                                                       |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          | dr hab. inż. Aneta Lewkowicz                                                                                                                                                                                                                   |                                     |                                                                                                                                                                       |            |     |
|                                             | Teachers                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                          | dr hab. inż. Aneta Lewkowicz                                                                                                                                                                                                                   |                                     |                                                                                                                                                                       |            |     |
| Lesson types                                | Lesson type                                                                                                                                                                                                                                                                                                                                                                                                                  | Lecture                                                  | Tutorial                                                                                                                                                                                                                                       | Laboratory                          | Project                                                                                                                                                               | Seminar    | SUM |
|                                             | Number of study hours                                                                                                                                                                                                                                                                                                                                                                                                        | 15.0                                                     | 0.0                                                                                                                                                                                                                                            | 0.0                                 | 0.0                                                                                                                                                                   | 0.0        | 15  |
|                                             | E-learning hours included: 0.0                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                                                                                                                                                                                                                                                |                                     |                                                                                                                                                                       |            |     |
| Learning activity and number of study hours | Learning activity                                                                                                                                                                                                                                                                                                                                                                                                            | Participation in didactic classes included in study plan |                                                                                                                                                                                                                                                | Participation in consultation hours |                                                                                                                                                                       | Self-study | SUM |
|                                             | Number of study hours                                                                                                                                                                                                                                                                                                                                                                                                        | 15                                                       |                                                                                                                                                                                                                                                | 0.0                                 |                                                                                                                                                                       | 60.0       | 75  |
| Subject objectives                          | Students will be introduced to the genesis of criminalistics, its pioneers and its development over the years. The direction of development of modern criminalistics will be presented. New trends in applied techniques and methods of revealing/analysing forensic traces will be presented, taking into account work at the crime scene - the forensic technician - and in the forensic laboratory - the forensic expert. |                                                          |                                                                                                                                                                                                                                                |                                     |                                                                                                                                                                       |            |     |
| Learning outcomes                           | Course outcome                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          | Subject outcome                                                                                                                                                                                                                                |                                     | Method of verification                                                                                                                                                |            |     |
|                                             | [KRYMMU2_KK01] Is aware of the level of his knowledge and skills, and understands the need for lifelong learning                                                                                                                                                                                                                                                                                                             |                                                          | The student is aware of their level of knowledge in the application of new techniques and methods of detection and analysis of forensic evidence in a forensic laboratory and at the scene of a crime.                                         |                                     | [SK1] wypowiedź ustna/rozmowa/diskusja                                                                                                                                |            |     |
|                                             | [KRYMMU2_WG06] Has an in-depth knowledge and is familiar with the terminology of psychology and sociology and related sciences in the disciplines related to the field of study                                                                                                                                                                                                                                              |                                                          | The student has knowledge of techniques, methods, procedures for visualisation, securing evidence at the scene of an incident and analysing it using innovative methods in the laboratory, taking into account legal principles and standards. |                                     | [SW4] test/egzamin - ustny lub pisemny<br>[SW1] wypowiedź ustna/rozmowa/diskusja<br>[SW2] prezentacja/projekt/referat/raport<br>[SW5] realizacja zadania problemowego |            |     |
|                                             | [KRYMMU2_WG03] Has an enhanced knowledge of the subject matter of the regulation of individual branches of law related to the studied major                                                                                                                                                                                                                                                                                  |                                                          | The student has in-depth and structured knowledge of the scope of legal regulations applicable to specific branches of law, with particular emphasis on areas related to the field of study.                                                   |                                     | [SW1] wypowiedź ustna/rozmowa/diskusja                                                                                                                                |            |     |
|                                             | [KRYMMU2_WG01] Has an in-depth knowledge of the nature of legal and related penal sciences, their place in the system of sciences and their interrelationships                                                                                                                                                                                                                                                               |                                                          | The student has knowledge of law and related penal sciences.                                                                                                                                                                                   |                                     | [SW1] wypowiedź ustna/rozmowa/diskusja                                                                                                                                |            |     |

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| Subject contents                                         | 1 History of Forensic Science.2. The pioneers of Forensic Science.3. The definition, structure, function of Forensic Science. 3.4. The contemporary direction of development of Forensic Science. 4.5. Common techniques, methods procedures used in the forensic laboratory.6. Innovative techniques, methods, procedures of evidence analysis. |                                                                                                                                                                                                                                                                                                                                                                                                             |                               |
| Prerequisites and co-requisites                          |                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                             |                               |
| Assessment methods and criteria                          | Subject passing criteria                                                                                                                                                                                                                                                                                                                         | Passing threshold                                                                                                                                                                                                                                                                                                                                                                                           | Percentage of the final grade |
|                                                          | test or oral examination                                                                                                                                                                                                                                                                                                                         | 51.0%                                                                                                                                                                                                                                                                                                                                                                                                       | 100.0%                        |
| Recommended reading                                      | Basic literature                                                                                                                                                                                                                                                                                                                                 | 1. Ekspertyza Sądowa, Maria Kała, Dariusz Wilk, Józef Wójcikiewicz, Dariusz Zuba, Wolters Kluwer Polska, 2023, Wydanie 4.<br>2. Forensic Science, Pass Allan D., Embar-Seddon, Ayn, 2015, Second, Salem Press, A division of Ebsco Information Services Ipswich, Massachusetts, Grey House Publishing.<br>3. Fundamentals of Forensic Sciences, Max M. Houck, Jay A. Siegel, 2006, Elsevier Academic Press. |                               |
|                                                          | Supplementary literature                                                                                                                                                                                                                                                                                                                         | 1. MIKROŚLADY I ICH ZNACZENIE W POSTĘPOWANIU PRZYGOTOWAWCZYM I SĄDOWYM Pod redakcją Janiny ZiębyPalus, Wydawnictwo Instytutu Ekspertyz Sądowych Kraków 2015.                                                                                                                                                                                                                                                |                               |
|                                                          | eResources addresses                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                             |                               |
| Example issues/ example questions/ tasks being completed | DNA analysis, dactyloscopy- personal identification- common and new methods, procedures in forensic science.                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                             |                               |
| Work placement                                           | Not applicable                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                             |                               |

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