**Course Syllabus**

## I. General Information

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|---|---|
| Course name in English | Intellectual property protection |
| Course name in Polish | Ochrona własności intelektualnej |
| Programme | Bioanalytical technologies |
| Level of studies (BA, BSc, MA, MSc, long-cycle MA) | MSc |
| Form of studies (full-time, part-time) | Full-time |
| Discipline | Low sciences |
| Language of instruction | English |

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|---|---|
| Course coordinator/person responsible | Assoc. Prof. Emir Karamehmedovic |

| Type of class *(use only the types mentioned below)* | Number of teaching hours | Semester | ECTS |
|---|---|---|---|
| Lecture | 15 | III | 6 |
| Tutorial | 15 | III | |
| Classes | 30 | III | |
| Workshops | | | |
| Seminar | | | |

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| Course pre-requisites | Good command of English language. |

## II. Course Objectives

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| C1 - To reach an understanding of what constitutes Intellectual Property, its classification, features and coverage |
| C2 - To understand the significance of IP portfolio of an organization, principles of licensing, and basic strategies for market protection |
| C3 – To analyze and generate intellectual property |
| C4 – To develop intellectual property that can be protected on various levels |

## III. Course learning outcomes with reference to programme learning outcomes

| Symbol | Description of course learning outcome | Reference to programme learning outcome |
|---|---|---|
| KNOWLEDGE | | |
| W_01 | The student describes the process of patent application, types of intellectual property (IP) and use of IP in business. | K_W09 |
| W_02 | The student evaluates the type, coverage, applicability, novelty, and validity of IP. | K_W09, K_W11 |
| W_03 | The student possesses knowledge concerning developments in IP and its history, newest trends of IP relevant for specific industry. | K_W02, K_W09 |
| SKILLS | | |
| U_01 | The student analyzes existing intellectual property, applies | K_U10 |

| | | |
|---|---|---|
| | knowledge in search of data bases and extracts essential data on specific IP | |
| U_02 | The student uses available databases to assess applicability of IP | K_U10 |
| U_03 | The student generates possible IP by writing a sample application and pertinent documentation | K_U06 |
| U_04 | The student reports on results obtained in investigation, analyses and draws conclusions and interpretations. | K_U10 |
| COMPETENCIES | | |
| K_01 | correctly identifies and resolves dilemmas associated with the profession and is aware of the need for ethical conduct during planning and carrying out research experiments | K_K04 |

## IV. Course Content

Lecture: Presentation of history of intellectual property, evolution of protection at national and international level, the influence of creativity and innovation on business development and impact on society. IP importance and strategies in industry.
Practical classes: Search and analysis of patent applications, grants. Trademark and copyright assessment. Writing a patent on an imagined application, for a specific region.

## V. Didactic methods used and forms of assessment of learning outcomes

| Symbol | Didactic methods *(choose from the list)* | Forms of assessment *(choose from the list)* | Documentation type *(choose from the list)* |
|---|---|---|---|
| KNOWLEDGE | | | |
| W_01 | Conventional lecture<br>Discussion | Written test | Evaluated written test/test |
| W_02 | Conventional lecture<br>Discussion | Written test | Evaluated written test/test |
| W_03 | Practical classes | Observation | Observation report |
| SKILLS | | | |
| U_01 | Practical classes | Report | Report printout |
| U_02 | | Observation | Observation report |
| U_03 | | Test of practical skills | Rating card |
| U_04 | | Report | Report printout |
| COMPETENCIES | | | |
| K_01 | Practical classes | Observation | Observation report |

## VI. Course Content

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| An Introduction to the course mechanics and basics of Intellectual Property<br>Overview and types of Intellectual Property and its classification<br>Copyright, trademark, related rights<br>Geographical specificities and<br>Industrial design, applicability, novelty<br>Patent application and grant<br>Unfair competition<br>Midterm exam<br>Enforcement of IP<br>IP in biotechnology<br>Project work |

## VII. Grading criteria, weighting factors

Midterm exam 20%
Homework 10%
Report on project work 30%
Final exam 40%

| **Mark** | **Evaluation criteria** | |
|---|---|---|
| **Very good (5)** | the student realizes the assumed learning outcomes at a very good level | the student demonstrates knowledge of the education content at the level of 95-100% |
| **overgood (4.5)** | the student accomplishes the assumed learning outcomes an over good level | the student demonstrates knowledge of the education content at the level of 85-94 % |
| **Good (4)** | the student accomplishes the assumed learning outcomes at a good level | the student demonstrates knowledge of the education content at the level of 75-84% |
| **Quite good (3.5)** | the student accomplishes the assumed learning outcomes at a quite good level | the student demonstrates knowledge of the education content at the level of 65-74% |
| **sufficient (3)** | the student accomplishes the assumed learning outcomes at a sufficient level | the student demonstrates knowledge of the education content at the level of 55-64% |
| **insufficient (2)** | the student accomplishes the assumed learning outcomes at an insufficient level | the student demonstrates knowledge of the education content below the level of 55% |

## VIII. Student workload

| Form of activity | Number of hours |
|---|---|
| Number of contact hours (with the teacher) | 70 (60 + 10 individual consultation) |
| Number of hours of individual student work | 80 |

## IX. Literature

| Basic literature |
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| Intellectual Property Law for Engineers and Scientists, Hoboken, New Jersey: Wiley – IEEE Press (2004), Howard Rockman |
| Additional literature |
| Intellectual Property: Inventors, Entrepreneurs, Creators |
| The Intangible Advantage: Understanding Intellectual Property in the New Economy |