

Subject card

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| Subject name and code | Emergency Management - lecture, PG_00201515 | | | | | | |
| Field of study | Water Management and Protection of Water Resources | | | | | | |
| Date of commencement of studies | October 2026 | Academic year of realisation of subject | | | 2028/2029 | | |
| Education level | Bachelor's studies | Subject group | | | Obligatory subject group in the field of study Subject group related to practical vocational preparation | | |
| Mode of study | full-time studies | Mode of delivery | | | at the university | | |
| Year of study | 3 | Language of instruction | | | Polish | | |
| Semester of study | 6 | ECTS credits | | | 2.0 | | |
| Learning profile | practical | Assessment form | | | exam | | |
| Conducting unit | Department of Hydrology -> Faculty of Oceanography and Geography -> Rector | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | Tomasz Kostecki | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30 |
| | 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 | 30 | | 1.0 | | 19.0 | 50 |
| Subject objectives | To gain basic knowledge of the legal basis and organization of the crisis management system, along with the tasks and competencies of institutions. To become familiar with the work of crisis management centers at the provincial and district/municipal levels. Recognizing and interpreting the causes of emergencies. The impact of natural disasters and, in particular, floods and droughts on the lives of the population, the environment and infrastructure. The role of the hydrological and meteorological service in the crisis management system. | | | | | | |

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| Learning outcomes | Course outcome | Subject outcome | Method of verification |
| | [GWOZWL3-K05] The student has the ability take responsibility for the safety of their own work and that of others, dealing with emergencies, exercising caution in the laboratory and in the field, responsibility for entrusted equipment and apparatus. | K_K05 - is ready to take responsibility for independently made decisions, to fulfill duties for the public interest related to responding to threats | [SK1] oral statement/conversation/discussion |
| | [GWOZWL3-U03] The student has the ability observe and describe the changes taking place in water management and predict further directions of its development as well as conduct a critical analysis of case studies of problems of water management and protection of water resources in terms of impact on ecological, social and economic systems; natural valorization and assessment of quality of the environment. | K_U03 - ability to observe and describe potential hazards and critically analyze the problems of the impact of hazards on ecological, social, and economic systems based of case studies | [SU1] oral statement/conversation/discussion |
| | [GWOZWL3-W03] The student has an advanced knowledge and understanding of the organisation and legal framework of environmental protection, nature conservation and water management, as well as the principles governing the organisation and operation of hydrological and meteorological services and the fundamentals of Integrated Environmental Monitoring. | K_W03 - knowledge and understanding of the crisis management system in the Republic of Poland along with the legal acts, proper discernment of the causes of the emergence of various types of threats: natural, anthropogenic and in cyberspace, terrorist, knowledge and understanding of the functioning of individual services within the crisis management system | [SW1] oral statement/conversation/discussion |
| Subject contents | 1. Causes (natural and anthropogenic) of emergencies 2. Criteria for assessing a crisis situation 3. Legal bases of crisis management 4. Structure of crisis management in the Republic of Poland 5. Natural disasters and their impact on the basic components of protection (population with property, environment, infrastructure) 6. Response strategy to natural disasters, especially floods and droughts | | |
| Prerequisites and co-requisites | Knowledge of the knowledge of physical and economic geography and the hydrographic division of Poland from the geography lessons within the scope of the secondary school curriculum; knowledge of the subjects studied: general hydrology, basics of water management, meteorology and climatology, legal foundations in environmental protection and water management, socio-economic aspects of water management, water construction and coastal protection, functioning of the hydrological and meteorological service | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | activity during discussions | 51.0% | 100.0% |
| Recommended reading | Basic literature | <p>Grocki R. 2012 Zarządzanie Kryzysowe dobre praktyki. Difin SA</p> <p>Ustrnul Z., Czekierda D., 2009 Atlas ekstremalnych zjawisk meteorologicznych oraz sytuacji synoptycznych w Polsce, IMGW, seria: Atlasy,</p> <p>Sztobryn M. i in. pod redakcją Lorenc H. 2012 Kłęski żywiołowe, a bezpieczeństwo wewnętrzne kraju. projekt KLIMAT. T3., Warszawa 2012</p> <p>Wibig J. i In. 2012. Warunki klimatyczne i oceanograficzne w Polsce i na Bałtyku południowym. Spodziewane zmiany i wytyczne do opracowania strategii adaptacyjnych w gospodarce krajowej. projekt KLIMAT. T1.IMGW PIB, Warszawa 2012</p> <p>Sztobryn M. i in. Działalność służb hydrologiczno-meteorologicznych Instytutu Meteorologii i Gospodarki Wodnej. Oddział Morski w Gdyni podczas powodzi sztormowej 13-15.10.2009. Raport IMGW PIB.</p> | |
| | Supplementary literature | <p>Ustawy z zakresu zarządzania kryzysowego, kłęskach i stanach nadzwyczajnych, itp.</p> <p>W. Lidwa, W. Krzeszowski, W. Więcek, zarządzanie w sytuacjach kryzysowych. Warszawa 2010</p> <p>J. Ziarko, J. Walas-trębacz, Podstawy zarządzania kryzysowego cz.1. Kraków 2010.</p> | |
| | eResources addresses | | |

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| Example issues/ example questions/ tasks being completed | |
| Work placement | Not applicable |

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