



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Environmental Protection in Investment Process

Course

Field of study

Year/Semester

Environmental Protection Technologies

IV/7

Area of study (specialization)

Profile of study

-

general academic

Level of study

Course offered in

First-cycle studies

Polish

Form of study

Requirements

full-time

compulsory

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

30

0

0

Tutorials

Projects/seminars

0

0

Number of credit points

3

Lecturers

Responsible for the course/lecturer:

Responsible for the course/lecturer:

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Prerequisites

The student has ordered knowledge in the field of ecology and environmental protection (wastes, atmosphere, nature protection). He/she also possesses the knowledge in the field of mathematics and chemistry which is useful for solving simple issues in the field of environmental protection, e.g. permissible emission of concentrations of gases and dusts into the air, amount of sewage discharged into waters.

Course objective

The aim of the course is to transfer of knowledge to student with basic principles of preparing the investment process from the management side in accordance with legislation and in accordance environmental protection rules. The student is acquainted with the planning and realization of the



investment process, the mode of designing an industrial facility, its implementation in accordance with the provisions of the building regulations and environmental protection legislation. The aim is also to get acquainted with the variety of environmental threats that may occur during the realization of the investment. Moreover, the student is acquainted with the preparation of the industrial investment in terms of realization of basic environmental protection issues during the operation of industrial facilities (e.g. preparation of waste separation, recycling, safe storage of waste and harmful substances etc.).

Course-related learning outcomes

Knowledge

1. The graduate knows the principles of Polish and European legislations of preparing and realization of investment and knows general principles of preparing investment documents [K_W05].
2. The graduate knows the procedure of preparing Environmental impact assessment and methods of minimalization of emissions of environmentally harmful substances for the protection of water, soil or air [K_W05, K_W11, K_W16].
3. The graduate possesses basic knowledge of preparing and realization of investment, especially on specific areas (such as Natura 2000) [K_W14, K_W15].

Skills

1. The graduate is able to find and apply legal regulations in the field of environmental protection and building regulations during the design and implementation of the investment [K_U10].
2. The graduate is able to establish a logical sequence of stages for the preparation and implementation of investments, particularly in terms of implementing environmental protection principles [K_U16, K_U19].
3. The graduate is able to identify environmental risks both during the implementation of the investment and during the operation of the industrial facility, infrastructure facility, etc [K_U16].

Social competences

1. The graduate is aware of the importance of social aspect of practical usage of the knowledge and skills acquired in the field of environmental safety and the associated responsibilities [K_K01, K_K02].
2. The graduate understands that there are constant changes in environmental and building regulations [K_K01].

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Knowledge acquired as part of the lecture is verified on the basis of one final test lasting 1.5 hours carried out during the last lecture. 12-15 questions (test and open questions) in final colloquium have different scores. Pass level is 50%. The coursework issues on the basis of which the questions are prepared will be sent to the students via e-mail using the University's e-mail system or will be included on the moodle platform.

Programme content



- Background, introduction
 - Investment process and its impact on the environment
 - Environmental protection as an integral part of economic activity
- Legislation of investment process
 - Restrictive legislation
 - Procedural regulations
- Planning as an environmental instrument
 - Spatial planning policy of Poland
 - Land management
 - Spatial planning, plans of zonings and zoning conditions
- The stages of investment process
 - Background and classification of investments in terms of environmental impact
 - Localization of investment, pre-construction procedure, utilization of investment
 - Building process, environmental protection in building engineering
- Environmental impact assessment (EIA) procedure
 - Legislation, goals, tasks, variants EIA
 - Decisions on environmental conditions of consent for the execution of the project
 - EIA procedure
 - The principle of taking into account the public interest (social interest) in the investment and building process
 - Natura 2000 area and other special areas
- Special solutions
 - Public purpose investments
 - Localization of public roads, railways, cemeteries, shopping centres

Teaching methods

Multimedia lecture combined with discussion. Additional materials are available on the Moodle platform

Bibliography



Basic

1. Władysław Korzeniewski „Przygotowanie inwestycji budowlanych. Studium przedprojektowe.” 2004. ISBN: 83-89234-19-X
2. Ustawa o udostępnieniu informacji o środowisku i jego ochronie, udziale społeczeństwa w ochronie środowiska oraz ocenach oddziaływania na środowisko (Dz.U.2008 Nr 199, poz. 1227 z późn. zm.)
3. Prawo budowlane (Dz.U.2010 Nr 243 poz. 1623)
4. Prawo ochrony środowiska, (Dz. U. 2008 Nr 25 poz. 150 z późn. zm).
5. Ustawa o planowaniu i zagospodarowaniu przestrzennym (Dz.U.2012 Nr 0 poz. 647).

Additional

1. M. Zakrzewska, Ochrona środowiska w procesie inwestycyjno-budowlanym, Warszawa 2010.
2. M. Zakrzewska, Gospodarowanie nieruchomościami a prawo ochrony środowiska, w: Nieruchomości. Zagadnienia prawne, pod red. H. Kisilowskiej, Wydawnictwo LexisNexis, Warszawa 2011.
3. Z. Niewiadomski (red.), Prawna regulacja procesu inwestycyjno-budowlanego. Uwarunkowania. Bariery. Perspektywy, Warszawa 2009.
4. M. Bar, J. Jendrośka, Decyzja o środowiskowych uwarunkowaniach i inne wymagania prawne ochrony środowiska w procesie inwestycyjnym, Wrocław 2009.
5. M. Bar, J. Jendrośka, Prawo ochrony środowiska. Podręcznik, Wrocław 2005.

Breakdown of average student's workload

	Hours	ECTS
Total workload	75	3,0
Classes requiring direct contact with the teacher	45	1,8
Student's own work (literature studies, preparation for final test) 1	30	1,2

¹ delete or add other activities as appropriate