

## MODULE INFORMATION SHEET

<b>Name of Module Unit</b>	<b>Environmental Protection Management</b>
Name in polish language	Zarządzanie ochroną środowiska
Module type	compulsory / elective
Form of studying	full-time day courses
Level of study	graduate course (M.Sc. level)
Type of study ( for extra-mural courses)	-
Programme	Environmental Engineering
Speciality	Environment Protection Engineering
Responsible department	Dept. of Informatics and Environment Quality Research
Responsible person	dr hab inż. Artur Badyda, prof. WUT

Semester	Lectures(E)	Tutorials	Laboratory	Computer Exercises	Projects	ECTS
1	15				30	3

### Learning outcomes (knowledge, skills, competences)

The aim of the course is to develop managerial approach to environmental issues and its protection, especially in the context of an increasingly restrictive rules and limitations related to the management of environmental resources. There will be presented issues of the impact assessment of human activities in the environment together with the actions that will be necessary to be implemented in different time horizons. Knowledge about the available instruments to achieve the tasks of environmental management will allow future planners, officials, entrepreneurs and decision-makers to choose the optimal action to the current needs in the field of environmental protection and social development.

Basic information concerning the processes of public consultation, particularly in the context of managing the process of infrastructure development, but also in environmental management in local government units or enterprises, will also be presented. In matters related to the management of institutions and industrial enterprises it would be helpful to get to know tools such as environmental management system based on ISO 14000 standards and EMAS Regulation.

### Prerequisites

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### Rules for integrated grade setting

0,5\*test + 0,5\*project

### Recommended readings

## Contents of lectures (syllabus)

	Topics	Time (hrs.)	Scope (S / Ex)
1	Assessment of the human activities impact on the environment	4	S
2	Environmental management tools	2	S
3	Environmental management in development processes – legal issues and methods of options (investment variants) evaluation	3	S
4	Environmental management in development processes – the social context and the decision process	3	S
5	Environmental management in the units of local administration	1	S
6	Environmental Management Systems according to the norms of ISO 14000 series and EMAS Regulation	2	S
<b>Total</b>		<b>15</b>	<b>hours</b>

S – topics listed in the legal study programme standards from 12.07.2007

Ex – extended topics

### Lecturers

Artur Badyda

### Assessment method

Test or essay

## Contents of guided projects

	Topics	Time (hrs.)	Scope (S / Ex)
1	Introduction, overview of program activities, the distribution of project works	2	S
2	The theory of organization, the subsystems in the organization	2	S
3	Implementation of project work involving the analysis of the current situation regarding environmental management in the enterprise, local government units or in the investment process and suggestions of the optimal environmental management system for this entity	22	S
4	Presentation of the results of the project	4	S
<b>Total</b>		<b>30</b>	<b>hours</b>

S – topics listed in the legal study programme standards from 12.07.2007

Ex – extended topics

### Persons responsible for guided projects

Dominika Mucha

### Assessment method for guided projects

Project (written document), presentation of the project content.