STUDY MODULE DESCRIPTION FORM

Name of the module/subject	Code
Ergonomics for people with disabilities	**1011105331011125152**

Field of study	Profile of study (general academic, practical)	Year /Semester
Engineering Management - Part-time studies -	**(brak)**	**2 / 3**
Elective path/specialty	Subject offered in:	Course (compulsory, elective)
Quality Systems and Ergonomics	**Polish**	**elective**

Cycle of study:	Form of study (full-time,part-time)
Second-cycle studies	**part-time**

No. of hours	No. of credits
Lecture: **14** Classes: **12** Laboratory: **-** Project/seminars: **-**	**3**

Status of the course in the study program (Basic, major, other)	(university-wide, from another field)
(brak)	**(brak)**

Education areas and fields of science and art	ECTS distribution (number and %)
technical sciences	**100 3%**
Technical sciences	**100 3%**

Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	The student has a basic knowledge in the area of technology, ergonomics and safety.
2	**Skills**	The student is able to apply basic knowledge of technology and ergonomic for shaping work.
3	**Social competencies**	The student is aware of the role of technology and ergonomics in human life.

Assumptions and objectives of the course:

Understanding the theoretical and practical issues related to the organization of people with disabilities.

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. Student should know a range of terms from the range of ecology, instruments of the environmental policy, risks for the biosphere, risks and rights for the ecological development as well as relations between work and natural environment - [K2A_W01]

2. Student should know about the role of man in actions for protecting the natural environment and the humanization of the process of work, which all relate to the formation of work conditions and organization of work, as well as ecosystems protection - [K2A_W06]

Skills:

1. Student should know social phenomena from the range of the organization, the environmental awareness, the environmental policy, legal documents and legal and economical environmental tools - [K2A_U01]

2. The student is able to use the obtained theoretical knowledge for describing and analyzing causes and results of course of processes and social and technical phenomena, he is able to formulate own opinions and choose critical data and methods - [K2A_U02]

3. Is able to predict, model some complex social processes that involve phenomena from different areas of social life (cultural, political, legal, economic) using advanced methods and tools in the field of economic sciences and a discipline of management sciences - [K2A_U04]

4. Has self-study ability and comprehends it - [K2A_U05]

5. Student has the skill of using the obtained knowledge from the described range, widened with the critical analysis of efficiency and usability of the applied knowledge - [K2A_U06]

6. The student has the skill of suggesting own solutions for a determined problem from the range of management and of realizing the procedure of making decisions in this area - [K2A_U07]

Social competencies:

1. Student can notice causally consecutive relations in the realization of established purposes and set the ranking of importance of alternative or competitive tasks - [K2A_K03]

2. Student is fully aware of the responsibility that he has taken for his own work and expresses readiness to comply with the rules of team work as well as responsibility for mutually realized and completed tasks - [K2A_K05]

3. Student is aware of the interdisciplinary character of the knowledge from the range of environmental protection engineering; he has the skill to solve composite environmental problems of the organization and forms interdisciplinary teams - [K2A_K06]

Assessment methods of study outcomes

Formative assessment:

Classes: on the basis of the tests grades

Projects: on the basis of particular project tasks

Lectures: based on written or oral answers to questions about the material covered in the current and previous lectures

Collective assessment:

Classes: on the basis of the grade from tests and written assignment

Project work: on the basis of the grade from the project

Lecture: on the basis of the written assignment from the material covered during lectures

Course description

1) Theoretical background: the concept of disability, disability classification, the basic criteria of ergonomic design, 2) work of people with disabilities: career opportunities of people with disabilities, the employment of people with disabilities, role of work in the lives of people with disabilities and the conditions for its implementation; 3) Designing workplaces, taking into account the requirements of people with disabilities: workplace and its organization, development of workplaces; ergonomic workstation design guidelines for the elderly, 4) Designing and customizing homes, buildings, and transportation for the disabled: construction and legal provisions for the disabled; principles of organization design, finish and furnishings, organizing transport for the disabled.

Basic bibliography:

1. Aleksandra Jasiak, Dariusz Swereda, Ergonomia osób niepełnosprawnych, wydanie drugie poszerzone, WPP Poznań 2009

2. . Górska E.(red.), Projektowanie stanowisk pracy dla osób niepełnosprawnych Oficyna Wyd. Politechniki Warszawskiej Warszawa 2002

3. . Rostowska-Lecewicz i J. Lewandowski (red.), Materiały międzynarodowych Konferencji : Ergonomia niepełnosprawnych, Monografia wyd Politechniki Łódzkiej Łódź 2007

4. Aleksandra Jasiak, Dariusz Swereda, Ergonomia osób niepełnosprawnych WPP, Poznań 2005

Additional bibliography:

Result of average student's workload

Activity	Time (working hours)

1. Participation in lectures	15
2. Project	15
3. Consutations	15
4. Individual work on the project	25
5. Preparation for the final assessment	15
6. Final assessment	5

Student's workload		
Source of workload	**hours**	**ECTS**
Total workload	90	3
Contact hours	50	2
Practical activities	15	0