

Title Ergonomic Design	Code 1011104351011120857
Field Management - Part-time studies - First-cycle studies	Year / Semester 3 / 5
Specialty -	Course elective
Hours Lectures: 1 Classes: 12 Laboratory: - Projects / seminars: -	Number of credits 4
	Language polish

Lecturer:

-Prof. Ph.D. Habil. Eng. Edwin Tytyk
Chair of Ergonomics and Quality Management
The Faculty of Engineering Management
60-965 Poznań, Strzelecka 11
tel. (office): 61-665-33-74
e-mail: edwin.tytyk@put.poznan.pl

Faculty:

Faculty of Engineering Management
ul. Strzelecka 11
60-965 Poznań
tel. (61) 665-33-74, fax.
e-mail: office_fem@put.poznan.pl

Status of the course in the study program:

-Elective course in the second stage of Management study.

Assumptions and objectives of the course:

-Students should obtain knowledge of the main problems connected with methodology of ergonomic design, oriented on man as operator and as maintenance one of machines and technological devices. The aim of classes is transfer of skills on man-machine systems designing during practical design works concerned detail design tasks, which are described with anthropocentric point of view.

Contents of the course (course description):

-Genesis of the science of design and definitions. Designing system and designed system. Engineer design: aims, tasks, structure of process. The paradigm of ergonomic design. Man-machine system as a subject of designing, decision criteria, structure of ergonomic design process. Designing of: work process, work area, information-controlling processes, work environment ? practical examples. Economic and social advantages of ergonomic design. Computer and heuristic aiding of design process. Designing for disabled people.

Introductory courses and the required pre-knowledge:

-Basic knowledge of ergonomics, work organization and technologies

Courses form and teaching methods:

-Lectures with multimedia presentations, design works

Form and terms of complete the course - requirements and assessment methods:

-Design works, test or oral exam

Basic Bibliography:

Additional Bibliography: