



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Master thesis

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### Course

Field of study

Safety Engineering

Area of study (specialization)

Ergonomics and work safety

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

2/3

Profile of study

general academic

Course offered in

Polish

Requirements

compulsory

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### Number of hours

Lecture

0

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

### Number of credit points

15

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### Lecturers

Responsible for the course/lecturer:

Małgorzata Sławińska, Ph.D, D.Sc, Eng.

Professor at Poznan University of Technology

e-mail: malgorzata.slawinska@put.poznan.pl

Responsible for the course/lecturer:

Beata Mrugalska, Ph.D, D.Sc, Eng.

e-mail: beata.mrugalska@put.poznan.pl

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### Prerequisites

Knowledge of the subjects covered by the education programme in second-cycle studies in the field of Safety Engineering. Ability to independently seek knowledge, logical thinking, creativity, the ability to predict the consequences of own actions and other peoples actions.



### Course objective

Acquainting the students with a methodology of preparation MA thesis. Practising skills of solving problems within occupational safety and ergonomics. Preparing for the defence of the thesis.

### Course-related learning outcomes

#### Knowledge

- knows issues in fields of ergonomics, macroergonomics, safety of work, and design methodology with considering safety requirements,
- knows principles of preparation and conduct of research in ergonomic fields and safety of work,
- knows trends in the development and best practises concerning safety engineering,

#### Skills

- is able to appropriately select source and information derived from them, makes evaluation of critical analysis and information synthesis, form requests and comprehensively justify an opinion,
- is able to use different technics in order to communicate in work environment and others environment,
- is able to recognize and form in engineering tasks system aspects and non-technical skills, as well as social and technical, organizational, and economic,
- is able to use testing, analytical, simulation and experimental methods for solving engineering tasks, also with use of methods and information and communication devices,
- is able to present, in written Polish and English language, way of solving ergonomic and safety of work problems,

#### Social competences

- is able to initiate activities connected with form and communicating information as well as cooperation in safety engineering, different groups functioning in society,
- is aware of necessity to act professional, obey ethics work rules and respect variety of opinion and cultures.

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Evaluation of the presentation of thesis fragments and participation in the discussion.

### Programme content

The methodology of writing thesis. Layout framework. Rules and editorial requirements. A discussion of problems covered by the thesis work.

### Teaching methods

- working with book, description, classic problem method, explanation, case method.



## Bibliography

### Basic

1. Regulamin pisania pracy dyplomowej WIZ PP.
2. Szkutnik Z., (2005), Metodyka pisania pracy dyplomowej : skrypt dla studentów, Wydawnictwo Poznańskie, Poznań.
3. Budniak E., Mateja B., Sławińska M.(2016), Specyfika kompleksowego ujęcia edukacji w zakresie ergonomii w bezpieczeństwie, Zeszyty Naukowe Politechniki Poznańskiej, Organizacja i Zarządzanie, Wyd. Politechniki Poznańskiej, nr 69, s. 5-16.

### Additional

1. Węglińska M., (2005), Jak pisać pracę magisterską?, Oficyna Wydawnicza "impuls", Kraków.
2. Kaszyńska A., (2008), Jak napisać, przepisać i z sukcesem obronić pracę dyplomową lub magisterską? Wydawnictwo Złote Myśli, Gliwice.

## Breakdown of average student's workload

	Hours	ECTS
Total workload	300	15,0
Classes requiring direct contact with the teacher	20	1,0
Student's own work (literature studies, preparation for the final exam, master thesis) <sup>1</sup>	280	14,0

<sup>1</sup> delete or add other activities as appropriate