



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma Seminar

### Course

Field of study

Management and Production Engineering

Area of study (specialization)

Quality Management

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

1/2

Profile of study

general academic

Course offered in

Polish

Requirements

elective

### Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

15

### Number of credit points

8

### Lecturers

Responsible for the course/lecturer:

prof. Adam Hamrol

Responsible for the course/lecturer:

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Faculty of Mechanical Engineering

Piotrowo 3 60-965 Poznań

### Prerequisites

Basic in the range of programs and subjects provided for the students of the ZIIP in the 1st degree.

Logical thinking, using different sources of information (library, Internet) and processing of acquired messages, use of programs for editing text and graphics documents. Understanding the need to learn, acquire new knowledge, order information, verbalize your own conclusions (self-presentation)

### Course objective

Generate topics of thesis, clarify objectives and scope of work.

### Course-related learning outcomes

Knowledge

Student knows principles related to editorial work (structure, editorial requirements, sources of



knowledge acquisition, bibliographic rules used in the literature review). He can specify the subject and purpose of the thesis. He can formulate the scope of the topic (issues developed later in the diploma thesis). He knows the scope of the diploma exam.

### Skills

Student does an analysis of the literature of the subject. He presents the scope of the topic, the main assumptions and purpose of the work, and present the relevant fragments. He can verbalize the acquired knowledge and present it in various ways (multimedia presentation, presentation, presentation, discussion). He formulates the conclusions of the work done.

### Social competences

Seminars - approval of the topic of work, evaluation of seminary papers.

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Seminars - approval of the topic of work, evaluation of seminary papers.

### Programme content

Lcharacteristics of diploma theses (construction, technology, production, research, review, theoretical);

structure of thesis;

editorial requirements;

characterizing the content area, formulating the purpose of the work and its scope;

selection and presentation of methodology: inference at the stage of topic analysis, selection of methods and means for experimentation, modeling, statistical analysis of results, measures of variation, statistical verification of hypotheses, conclusions with innovative, practical or theoretical conclusions.

formal rules for developing a student's literature review and study;

issues common to groups of students by example, preparation of papers in groups, discussion;

choosing a promoter of work, setting the subject of work in close contact with the promoter,

presentation of the outline of the chosen topic of work and its relevant fragments

### Teaching methods

Seminar, consultations on ongoing projects, workshops - discussions on diploma projects presented.

### Bibliography

Basic

J Diakun J., Szablon pracy dyplomowej, <http://pm.put.poznan.pl/strefa-studenta/instrukcje-do-zajec-laboratoryjnych/>



Wojciechowska: Przewodnik metodyczny pisania pracy dyplomowej, Wyd. DIFIN, Warszawa 2010.

E. Opoka: Uwagi o pisaniu i redagowaniu prac dyplomowych na studiach technicznych, Wyd. Politechniki Śląskiej, Gliwice 2001.

Additional

### Breakdown of average student's workload

	Hours	ECTS
Total workload	200	8,0
Classes requiring direct contact with the teacher	100	4,0
Student's own work (literature studies, preparation for seminars) <sup>1</sup>	100	4,0

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