

SYLLABUS

Name: Diploma seminar
Name in Polish: Seminarium dyplomowe
Name in English: Diploma seminar

Information on course:

Course offered by department: Faculty of Organisation and Management
Course for department: Silesian University of Technology
Study level and form: Master's degree, Full-time
Term: summer semester 2022/2023, winter semester 2023/2024
Coordinator of course edition: dr hab. inż. Adam Gumiński, prof. PŚ

Default type of course examination report:

Passing a subject

Language:

English

Course homepage:

<https://platforma.polsl.pl/roz/>

ECTS

20 (II sem - 10 ECTS; III sem - 10 ECTS)

Short description:

The aim of the course is to provide students with structured knowledge and to acquire skills and competences related to theoretical and practical aspects of preparing master's thesis. In particular, it concerns a methodical approach to solving engineering problems using methods and tools of production engineering and writing scientific papers. Important aspects of the classes also includes issues related to the ethics of writing scientific papers and using literature sources, including artificial intelligence.

Description:

The detailed program content includes:

Diploma seminar:

Semester II

1. Presentation of the principles of conducting a diploma seminar in the field of Management and Production Engineering, conditions for passing the semester, presentation of topics/areas of master's theses and potential theses promoters.
2. Students' declaration regarding the choice of topic and supervisor - preliminary acceptance.
3. Discussion of the outline of the work and the structure of the work.
4. Discussion of research problems and formulating the objectives of the master's thesis.
5. Discussion of research scopes and literature sources used in the work.
6. Discussion of the literature research process.
7. Discussion of the formal editorial requirements of the work
8. Ethical principles of writing a diploma thesis
9. Presentation of the intermediate work and passing the Diploma Seminar in the second semester.

Semester III

10. Discussion of research methods and techniques used in master's theses.
11. Methods of analysis and interpretation of the obtained research results.
12. Formulating conclusions and recommendations arising from the work.
13. Presentation of the method of preparing the research part of the master's thesis, including articulating the method solving the research problem.
14. Preparation for the diploma examination, discussion of issues applicable to the examination diploma.
15. Presentation of the master's thesis and passing the Diploma Seminar in the third semester

Number of hours of classes with direct participation of academic teachers or other people conducting classes and students
- 60-hour seminar (30 hours - 2nd semester and 30 hours - 3rd semester)

The number of hours devoted to the student's own work

- Preparation for passing the seminar: 540 hours (270 hours - 2nd semester and 270 hours - 3rd semester)

Total number of hours: 600

Number of ECTS points: 20

including

Number of ECTS points obtained as part of classes conducted with the direct participation of academic teachers or other persons conducting classes and students - for the entire cycle: 2.0

Bibliography:

1. Bendkowski J., Dohn K., Logistyka. Pisanie pracy dyplomowej, kwalifikacyjnej. Zasady pisania, studia przypadku. Wyd. Pol. Śl., Gliwice 2015 (English version in an electronic form).
2. The International Baccalaureate Organization - a not-for-profit educational foundation. Effective citing and referencing. Geneva, 2022.

Learning outcomes:

The student knows and understands:

- ✓ Selected issues in the field of advanced detailed knowledge relevant to the field of study: production management and engineering (K2A_W10).

The student is able to:

- ✓ Perform tasks and formulate and solve problems, using new knowledge, also from other fields (K2A_U02).
- ✓ When identifying and formulating specifications for engineering tasks and solving them:
 - use analytical, simulation and experimental methods,
 - notice their systemic and non-technical aspects, including ethical aspects,
 - make a preliminary economic assessment of the proposed solutions and undertaken engineering activities (K2A_U03).
- ✓ Formulate and test hypotheses related to simple research problems related to the field of study: production management and engineering (K2A_U07).
- ✓ Independently plan and implement your own lifelong learning and guide others in this area (K2A_U15).

The student is ready to:

- ✓ Critically evaluate the acquired knowledge and received content (K2A_K01).

The implementation of the learning outcomes assumed for the Diploma Seminar takes place with the following assumptions:

Semester II: K2A_W10, K2A_U02, K2A_U15, K2A_K01.

Semester III: K2A_W10, K2A_U02, K2A_U03, K2A_U07, K2A_U15, K2A_K01.

Assessment methods and assessment criteria:

Diploma seminar:

Passing the seminar in the semester II is based on a positive assessment of the intermediate work prepared and presented by each student, which includes an introduction to the studied engineering problem, which will constitute the basis of the master's thesis. Passing the seminar in the semester III is based on a positive assessment of the master's thesis prepared and presented by each student.

Practical placement:

Not applicable