COURSE SPECIFICATION

Course code	full-time programme:	**M#2-S2-ME-308**
	part-time programme:	
Course title in Polish	**Seminarium dyplomowe**	
Course title in English	**Thesis Seminar**	
Valid from (academic year)	**2024/2025**	

GENERAL INFORMATION

Programme of study	**MECHANICAL ENGINEERING**
Level of qualification	**second-cycle**
Type of education	**academic**
Mode of study	**full-time programme**
Specialism	**all**
Department responsible	**Department of Machine Design and Machining**
Course leader	**dr hab. inż. Sławomir Błasiak, prof. PŚk**
Approved by	**dr hab. Jakub Takosoglu, prof. PŚk, Dean of the Faculty of Mechatronics and Mechanical Engineering**

COURSE OVERVIEW

Course type		**programme-specific**
Course status		**compulsory**
Language of instruction		**English**
Semester of delivery	full-time programme	**Semester III**
	part-time programme	**Semester III**
Pre-requisites		
Examination required (YES/NO)		**NO**
ECTS value		**2**

Mode of instruction		**lecture**	**class**	**laboratory**	**project**	**seminar**
No. of hours per semester	full-time programme				**30**	
	part-time programme					

LEARNING OUTCOMES

Category of outcome	Outcome code	Course learning outcomes	Corresponding programme outcome code
Knowledge	W01	He/she has detailed and in-depth knowledge, which he/she will use during the development of the project in the diploma seminar. This knowledge is related to topics related to the manufacturing technology and machining of machine parts, including cavity and non-lacquard techniques, material bonding methods, taking into account incremental technologies, laser technologies, rapid prototyping issues and reverse engineering, as well as a structured and in-depth knowledge of the construction of various types of systems for processing and shaping materials. He has an in-depth and advanced knowledge of how to design the right device variant, depending on the manufacturing techniques used.	MiBM2_W05
	W02	Has in-depth knowledge necessary for the development of the project in the diploma seminar in the creation and analysis of technical documentation with elements of engineering design and simulation using graphical and computational programmes as well as standard planning and design methods.	MiBM2_W06
	W03	Knows the principles of creation and development of various forms of individual entrepreneurship. Has a structured knowledge of project management. Has in-depth knowledge of independent work and presentation of its results in oral, written and audiovisual forms.	MiBM2_W15
Skills	U01	Can apply knowledge from the area of basic sciences, to formulate and solve complex engineering tasks in different areas of mechanics and mechanical engineering both at the stage of design, construction, material selection, manufacturing, prototyping, testing. He/she is able to evaluate, critically analyse and synthesise the obtained results, as well as express his/her opinions and comments related to the development of the project within the scope of the diploma seminar.	MiBM2_U01
	U02	Can fluently use information and communication tools appropriate for complex engineering tasks in the field of mechanics and mechanical engineering, including the ability to prepare and deliver a presentation on the results of a completed engineering task, can debate and communicate on specialised topics especially in relation to a project under development.	MiBM2_U05

Competence	K01	He/she is ready to fulfil the professional roles related to the field of study of mechanics and mechanical engineering in a responsible manner, to observe ethical principles and to act in order to comply with these principles, taking into account the changing social needs; he/she cares for the achievements, ethos and traditions of the profession. Adheres to the principles of professional ethics and takes action to uphold them.	MiBM2_K05

COURSE CONTENT

Mode of instruction	Topics covered
project	As part of the diploma seminar for mechanical engineering students, participants independently prepare and present three papers using audiovisual tools on the results of the transitional work carried out under the guidance of the supervisor, as well as the topic, aim and plan for the future diploma thesis; analysis of selected scientific or technical articles in Polish or English thematically related to the thesis being prepared, selected in consultation with the supervisor; and the current stage of implementation of the master's thesis, including the results of the research carried out, conclusions drawn, discussion of the bibliography and further plans related to the development of the final form of the thesis.

ASSESSMENT METHODS

Outcome code	Methods of assessment					
	Oral examination	Written examination	Test	Project	Report	Other
W01						X
W02						X
W03						X
U01						X
U02						X
K01						X

ASSESSMENT TYPE AND CRITERIA

Mode of instruction	Assessment type	Assessment criteria
project	non-examination assessment	Credits on the basis of the papers presented, the thesis written or parts of it.

OVERALL STUDENT WORKLOAD

ECTS weighting												
No.	Activity type	Student workload										Unit
		full-time programme					part-time programme					
		L	C	Lb	P	S	L	C	Lb	P	S	
1.	Scheduled contact hours				30							h
2.	Other contact hours (office hours, examination)				2							h

3.	**Total number of contact hours**	**32**		h
4.	**Number of ECTS credits for contact hours**	**1,3**		ECTS
5.	**Number of independent study hours**	**18**		h
6.	**Number of ECTS credits for independent study hours**	**0,7**		ECTS
7.	**Number of practical hours**	**50**		h
8.	**Number of ECTS credits for practical hours**	**2,0**		ECTS
9.	**Total study time**	**50**		h
10.	**ECTS credits for the course** *1 ECTS credit = 25-30 hours of study time*	**2**		ECTS

READING LIST

1. Kwaśniewska K., Jak pisać prace dyplomowe. Wskazówki praktyczne, Kujawsko-Pomorska Wyższa Szkoła w Bydgoszczy, Bydgoszcz 2017.
2. Boć J., Jak pisać pracę magisterską, Kolonia Limited, Wrocław 1995.
3. Polańska A., Praca dyplomowa nauką i sztuką, Wyższa Szkoła Administracji i Biznesu im. Eugeniusza Kwiatkowskiego w Gdyni, Gdynia 2012.
4. Węglińska M., Jak pisać pracę magisterską, Impuls, Kraków 2013.
5. Wójcik K., Piszę pracę promocyjną – licencjacką, magisterską, doktorską, Wolters Kluwer Polska, Warszawa 2015.
6. Zaczyński W.P., Poradnik autora prac seminaryjnych, dyplomowych i magisterskich, Wydawnictwo Żak, Warszawa 1995.
7. Zajączkowski M., Podstawowe wskazówki dla piszących prace magisterskie i dyplomowe. Wydawnictwo Uniwersytetu Szczecińskiego, Szczecin 1986.
8. Zenderowski R., Technika pisania prac magisterskich i licencjackich. Poradnik, CeDeWu, Warszawa 2020.
9. Umberto Eco, How to Write a Thesis, Mit Press