



COURSE SPECIFICATION

Course code	M#1-S1-ME-707
Course title in Polish	Praca dyplomowa
Course title in English	Thesis
Valid from (academic year)	2019/2020

GENERAL INFORMATION

Programme of study	MECHANICAL ENGINEERING
Level of qualification	first-cycle
Type of education	academic
Mode of study	full-time
Specialism	all
Department responsible	Department of Manufacturing Engineering and Metrology
Course leader	Krzysztof Stępień
Approved by	

COURSE OVERVIEW

Course type	basic
Course status	compulsory
Language of instruction	English
Semester of delivery	semester 7
Pre-requisites	Passing all the courses
Examination required (YES/NO)	NO
ECTS value	15

Mode of instruction	lecture	class	laboratory	project	seminar
No. of hours per semester					

LEARNING OUTCOMES

Category of outcome	Out-come code	Course learning outcomes	Corresponding programme outcome code
Knowledge	W01	On completion of the course students have knowledge of development of the technical documentation with elements of engineering design using graphic and computational software.	MiBM1_W12
	W02	On completion of the course students will have elementary knowledge in the field of intellectual property protection.	MiBM1_W07
Skills	U01	On completion of the course, students will be able to conduct literary studies and independently explore the knowledge on the topic assigned in the work.	MiBM1_U03
	U02	On completion of the course students will be able to work individually and in a team; they will be able to estimate the time needed to complete the assigned task; they will be able to develop and implement a work schedule ensuring meeting deadlines.	MiBM1_U20
	U03	On completion of the course students will be able to develop documentation for the implementation of an engineering task and prepare a text containing discussion of the results of this task.	MiBM1_U04
Competence	K01	On completion of the course students will be aware of the responsibility for their own work, they will understand the need to comply with the rules of working in team and taking responsibility for jointly performed tasks.	MiBM1_K04
	K02	On completion of the course students will be aware of the social role of a technical university graduate and they will understand the need to communicate to the public information on achievements in an understandable way related to the field of mechanical engineering.	MiBM1_K06

COURSE CONTENT

Type of instruction*	Topics covered
project	While writing the diploma thesis, student will use the knowledge gained during the first degree studies. During meetings with the teacher, students will go through all of the stages of analysis of an engineering problem, starting from its correct formulation, through practical description, practical or theoretical implementation, ending with a description in a concise written form. While working on a project, students will learn to search for information on a given topic in various sources, Internet library, specifications of devices with which students will work. Students will be confronted with various solutions to problems resulting from working on a project. Students will be able to formulate a solution to a given task in a logical and concise manner. Students will have knowledge of how to describe a problem in the form of a final diploma thesis.

*) Please delete rows in the table above that are not applicable.

ASSESSMENT METHODS

Outcome code	Methods of assessment <i>(Mark with an X where applicable)</i>					
	Oral examination	Written examination	Test	Project	Report	Other
W01				X		

W02				X		
U01				X		
U02				X		
K01				X		

ASSESSMENT TYPE AND CRITERIA

Mode of instruction*	Assessment type	Assessment criteria
project	non-examination assessment	Writing and defending a thesis

*) Please delete rows in the table above that are not applicable.

OVERALL STUDENT WORKLOAD

ECTS weighting							
	Activity type	Student workload					Unit
		L	C	Lab	P	S	
1.	Scheduled contact hours						h
2.	Other contact hours (office hours, examination)				10		h
3.	Total number of contact hours	10					h
4.	Number of ECTS credits for contact hours	0,4					ECTS
5.	Number of independent study hours	365					h
6.	Number of ECTS credits for independent study hours	14,6					ECTS
7.	Number of practical hours	10					h
8.	Number of ECTS credits for practical hours	0,4					ECTS
9.	Total study time	375					h
10.	ECTS credits for the course <i>1 ECTS credit = 25-30 hours of study time</i>	15					ECTS

READING LIST

1. Engineering report writing - Electrical and Computer Engineering Department University of Connecticut Storrs, CT 06269-2157 September 2003 Edition
(<https://www.ocf.berkeley.edu/~anandk/math191/Technical%20Writing.pdf>)