



### COURSE SPECIFICATION

Course code	<b>M#1-S1-ME-604</b>
Course title in Polish	<b>Praca przejściowa</b>
Course title in English	<b>Pre-Final Project</b>
Valid from (academic year)	<b>2019/2020</b>

### GENERAL INFORMATION

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

### COURSE OVERVIEW

Course type	<b>basic</b>
Course status	<b>compulsory</b>
Language of instruction	English
Semester of delivery	<b>semester 6</b>
Pre-requisites	<b>None</b>
Examination required (YES/NO)	NO
ECTS value	<b>1</b>

Mode of instruction	lecture	class	laboratory	project	seminar
No. of hours per semester				<b>15</b>	

## LEARNING OUTCOMES

Category of outcome	Out-come code	Course learning outcomes	Corresponding programme outcome code
Knowledge	W01	On completion of the course students will have knowledge of rules of preparing of the technical documentation of implemented engineering task with the use of appropriate software.	MiBM1_W12
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 have skills to design and perform a simple engineering task.	MiBM1_U08
	U03	On completion of the course students will be able to elaborate a report on the completed engineering task, properly interpret the obtained results and the collected information.	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 team work 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 they will understand the need to communicate to the public information on achievements in an understandable way related to the field of study: mechanical engineering.	MiBM1_K06

## COURSE CONTENT

Type of instruction*	Topics covered
project	Students will have the opportunity to choose many topics for project tasks that will enable the development of their interests. Pre-final project will be carried out by academic teachers who are experts in fields covering all issues related to the field of study. Students will choose the supervisor of the engineering thesis according to their interests, creating groups, then agree on individual theoretical or design tasks to be performed. The assigned task will be performed by the student independently, consulting with the supervisor from time to time. Independently, there will be classes where discussions about the work will be carried out. Students will share knowledge, experiences, problems and exchange comments on the works they are developing, they will set the directions for further work, present achievements. The aim of the pre-final project is to learn students to carry out their own project tasks which will be an introduction to the final engineering project. In addition, pre-final project will give students the opportunity to learn to independently search for information on a given topic, draw conclusions from the information obtained, solve problems based on work with the documentation and to develop ability of logical thinking. Pre-final projects at the Faculty of Mechatronics and Mechanical Engineering will be focused on: practical tasks in the fields of: CAD / CAE systems, computer systems supporting production, weapons and information technology, operation and logistics, engineering of metal materials and welding, cars and tractors, computer-aided laser and plasma technologies, hydraulic and pneumatic devices and others.

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

## ASSESSMENT METHODS

Outcome	Methods of assessment <i>(Mark with an X where applicable)</i>
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code	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	A minimum of 2/3 class attendance. The pass mark is a minimum of 50% for the project development assignment and the completed project.

\*) 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				15		h
2.	Other contact hours (office hours, examination)				2		h
3.	<b>Total number of contact hours</b>	17					h
4.	<b>Number of ECTS credits for contact hours</b>	0,7					ECTS
5.	<b>Number of independent study hours</b>	8					h
6.	<b>Number of ECTS credits for independent study hours</b>	0,3					ECTS
7.	<b>Number of practical hours</b>	32					h
8.	<b>Number of ECTS credits for practical hours</b>	1,3					ECTS
9.	<b>Total study time</b>	25					h
10.	<b>ECTS credits for the course</b> <i>1 ECTS credit = 25-30 hours of study time</i>	1					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>)