COURSE SPECIFICATION

Course code	full-time programme:	**M#2-S1-ME-703A**
	part-time programme:	
Course title in Polish	**Etyka zawodu inżyniera**	
Course title in English	**Ethics of the engineering profession**	
Valid from (academic year)	**2024/2025**	

GENERAL INFORMATION

Programme of study	**MECHANICAL ENGINEERING**
Level of qualification	**first-cycle**
Type of education	**academic**
Mode of study	**full-time programme**
Specialism	**all**
Department responsible	**Department of Metrology and Modern Manufacturing**
Course leader	**dr hab. inż. Jerzy Bochnia, 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		**elective**
Language of instruction		**English**
Semester of delivery	full-time programme	**Semester VII**
	part-time programme	
Pre-requisites		
Examination required (YES/NO)		**NO**
ECTS value		**1**

Mode of instruction		**lecture**	**class**	**laboratory**	**project**	**seminar**
No. of hours per semester	full-time programme	**15**				
	part-time programme					

LEARNING OUTCOMES

Category of outcome	Outcome code	Course learning outcomes	Corresponding programme outcome code
Knowledge	W01	Has systematic, advanced knowledge of the fundamental dilemmas of modern civilization.	**MiBM1_W20**
	W02	Knows the basic economic, legal, ethical, and other conditions of various types of professional activities related to the field of study, including basic concepts and principles in the field of industrial property protection and copyright.	**MiBM1_W21**
	W03	Knows basic ethical principles in creating and developing various forms of entrepreneurship. Knows standards for conducting business and enterprise development.	**MiBM1_W22**
Skills	U01	Can perceive the connections between engineering decisions and non-technical areas, including ethical, environmental, economic, legal, and sustainable design principles aspects while maintaining safety and accessibility criteria following applicable requirements.	**MiBM1_U16**
	U02	Can plan and implement his/her own learning, understands the need and knows the possibilities of continuous training and improving professional qualifications, improving social and personal competencies; is aware of the need for self-improvement.	**MiBM1_U21**
	U03	Can consciously use ethical principles to properly select sources and information derived from them, evaluate, critically analyze, and synthesize this information.	**MiBM1_U22**
	U04	Can plan and organize individual and teamwork, cooperate with other people in teamwork (including interdisciplinary work).	**MiBM1_U23**
Competence	K01	Is aware of the importance of and understands the non-technical aspects and effects of engineering activities, including their impact on the safety of other people and the impact on the environment and the associated responsibilities.	**MiBM1_K02**
	K02	Is ready to perform professional roles related to the field of study of mechanics and machine construction, adheres to ethical principles, and cares for the achievements and traditions of the profession.	**MiBM1_K06**

COURSE CONTENT

Type of instruction lecture	Topics covered
lecture	Basic ethical issues, definitions. Ethical systems and trends. Ethics, culture, and work. Social ethics, ethics in the economy, environment, business, and science. Ethical issues related to design. Analysis of ethical codes. Historical and cultural aspects related to human activity in the field of engineering. Engineer's attitude towards the problems of modern civilization.

ASSESSMENT METHODS

Outcome code	Methods of assessment *(Mark with an X where applicable)*					
	Oral examination	Written examination	Test	Project	Report	Other
W01			X			
W02			X			
W03			X			
U01			X			
U02			X			
U03			X			
U04			X			
K01			X			
K02			X			

ASSESSMENT TYPE AND CRITERIA

Mode of instruction	Assessment type	Assessment criteria
lecture	non-examination assessment	Positive pass in the final colloquium. At least 50% of points. Positive mark for a ten-minute presentation (topic set by the instructor) The final mark is the average of the marks obtained in the colloquium and the presentation.

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

READING LIST

1. Wojtyła Karol: Elementarz etyczny, Towarzystwo Naukowe KUL, na podst. wydania Społeczego Instytutu Wydawniczego „Znak", Kraków 1979.
2. Etyka cz. 1 i 2. Praca zbiorowa pod red. Stanisława Janeczeka i Anny Starościc, Wydawnictwo KUL, Lublin 2016.
3. Wajszczyk P.: Etyka zawodu inżyniera w świetle wybranych kodeksów, „Annales. Etyka w życiu gospodarczym", Wydawnictwo Uniwersytetu Łódzkiego, 2013, vol. 16, s. 241-258.
4. Grzybek G.: Etyka, rozwój, wychowanie, Wydawnictwo ATH, Bielsko-Biała, 2007.
5. Wybieralski W.: Elementy wzornictwa w projektowaniu technicznym, Politechnika Warszawska, 2012.
6. Kodeks Etyczny Narodowego Centrum Badań i Rozwoju, Warszawa 2011.
7. Kodeks Etyki Zawodowej Architektów, Izba Architektów RP, 2005.
8. Zasady Etyki Członków SIMP, Warszawa 2010.
9. Przykładowe kodeksy etyki różnych organizacji inżynierskich