



<i>Module/course unit objectives</i>	
<i>C-1</i>	The course is aimed at increase understanding of the meaning of ethics in the engineering profession. Student will become familiar with relevant moral theories, categories of ethical decision-making, professional codes of ethics and various case studies - situations which engineers may encounter in their professional life. Students will be able to making ethical decision within engineering.

<i>Student workload - forms of activity</i>		<i>Number of hours</i>
A-W-1	Lecture participation	15
A-W-2	Individual literature studies	8
A-W-3	Repetition of the lecture content to the written test	5
A-W-4	One-on-On Teaching Consultation	2

Evaluation methods (F - progressive, P - final)		
S-1	P	Written final exam based on the lecture contents

Designed learning outcomes	Reference to the learning outcomes designed for the fields of study	Reference to the learning outcomes defined for the particular areas of education	Reference to learning outcomes leading to the degree of "Inżynier"	Course objectives	Course content	Teaching methods	Evaluation methods
<i>Knowledge</i>							
ChEn_1A_B06_W01 Student possesses a general knowledge of the research and professional ethics and integrity for engineers.	ChEn_1A_W16	P6S_WG_TA11	P6S_WG_IA11	C-1	T-W-1 T-W-2 T-W-3	T-W-4 T-W-5 T-W-6	M-1  S-1
<i>Skills</i>							

ChEn_1A_B06_U01 Student possesses an ability to make informed ethical decisions when confronted with engineering problems in different types of work. Student is able to assess the consequences and threats resulting from non-compliance with the rules of professional ethics in the engineer's activity.	ChEn_1A_U05 ChEn_1A_U11	P6S_UU P6S_UW_TA12	P6S_UW_IA12	C-1	T-W-3 T-W-4	T-W-5 T-W-6	M-1	S-1
<i>Other social / personal competences</i>								
ChEn_1A_B06_K01 Student understands his/her duties and responsibilities as professionals. Student has an improved awareness and ability of pointing of potential ethical issues within an engineering context.	ChEn_1A_K02	P6S_KO		C-1	T-W-3 T-W-4	T-W-5 T-W-6	M-1	S-1
<i>Required reading</i>								
1. C.E. Harris Jr., M.S. Pritchard, M.J. Rabins, Engineering Ethics: Concepts and Cases, 4th Edition, Cengage Learning, Wadsworth, 2009, ISBN: 978-0-495-50279-1								
2. C.B. Fleddermann, Engineering Ethics, 4th Edition, Prentice Hall, Upper Saddle River, New Jersey, 2012, ISBN: 978-0-13-214521-3								
<i>Supplementary reading</i>								
1. S.K. Starrett, A.L. Lara, C. Bertha, Engineering Ethics: Real World Case Studies, American Society of Civil Engineers, 2017, ISBN: 978-0-7844-1467-5								