Specjalność: GREEN TECHNOLOGIES IN CHEMICAL ENGINEERING

Kod przedmiotu	Przedmiot	Semestr I						Semestr II						Semestr III					
		Liczba godzin				ECTS	E/Z	Liczba godzin				ECTS	E/Z	Liczba godzin				ECTS	E/Z
		W	C	P	L			W	C	P	L			W	C	P	L		
1070-ICGTE-MSA-101	Applied fluid mechanics	20			10	2	Z												
1070-ICGTE-MSA-102	Applied transport phenomena	30			15	3	Z												
1070-ICGTE-MSA-103	Equipment for heat and mass transfer	30				2	Z												
1070-ICGTE-MSA-104	Gas and liquid purification processes	30			15	3	Z												
1070-ICGTE-MSA-105	Kinetic, catalysis and reactor design	30		45		5	E												
1070-ICGTE-MSA-106	Process dynamics and control	20			10	2	E												
1070-ICGTE-MSA-107	Bioconversion of waste raw materials	30				2	Z												
1070-ICGTE-MSA-108	Bioreactor design and modelling	20		15		3	Z												
1070-ICGTE-MSA-109	Energy conversion and storage	20				2	Z												
1070-ICGTE-MSA-110	Electrochemistry for renewable energy	20			15	3	Z												
1070-ICGTE-MSA-111	Sustainable development in process engineering	20		15		3	E												
1070-ICGTE-MSA-201	Industrial process modelling and simulation							30		45		5	Z						
1070-ICGTE-MSA-202	Process optimization							30		15		3	E						
1070-ICGTE-MSA-H2xx	HES topic							30		15		3	Z						
1070-ICGTE-MSA-H2xx	HES topic							30				2	Z						
1070-ICGTE-MSA-203	Advanced materials in chemical engineering							20			10	2	Z						
1070-ICGTE-MSA-204	Advanced waste management							20		10		2	Z						
1070-ICGTE-MSA-205	Engineering methods in physiology							20				2	Z						
1070-ICGTE-MSA-206	Fundamentals of process intensyfication							30		30		4	E						
1070-ICGTE-MSA-207	Multiscale modelling							20		10		2	Z						
1070-ICGTE-MSA-208	Process economy							30		30		5	E						
1070-ICGTE-MSA-301	Diploma Workshop																90	8	Z
1070-ICGTE-MSA-302	Diploma Seminar														30			2	Z
1070-ICGTE-MSA-303	Master of Science Thesis																180	20	Z
od 2023L	ECTS w semestrze	30						30						30					
	Suma ECTS	90																	
	Liczba godzin w semestrze	410						425						300					
	Suma godzin	1135																	
	ECTS obieralne	90																	
	ECTS przedmioty HES	5																	