



Faculty of: Foundry Engineering

Field of study: Injection Molding Engineering Study level: First-cycle studies Form and type of study: Full-time studies

Annual: 2017/2018 Lecture language: Polish

Code	Module name	Lectures	Auditorium classes	Laboratory classes	Project classes	Conversation seminar	Seminar classes	Practical classes	Fieldwork classes	Workshops	Others	E-learning	ECTS	E
Semester 1														
Mathematics														
OM-1-101-s	Matematyka I	45	45	0	0	0	0	0	0	0	0	0	9	Yes
Non-technical														
OM-1-138-s	Podstawy ergonomii	15	0	15	0	0	0	0	0	0	0	0	2	No
OM-1-158-s	Economics	30	0	0	0	0	0	0	0	0	0	0	2	Yes
OM-1-162-s	History of Foundry Engineering	10	0	0	0	0	5	0	0	0	0	0	1	No
OM-1-164-s	Marketing	15	0	0	0	0	0	0	0	0	0	0	1	No
Other Basic														
OM-1-105-s	polski	60	30	0	0	0	0	0	0	0	0	0	5	No
OM-1-111-s	Descriptive geometry	15	15	0	0	0	0	0	0	0	0	0	2	No
OM-1-141-s	Informatics and Information Technologies	15	0	30	0	0	0	0	0	0	0	0	3	No
The														
OM-1-112-s	Metallurgy and Foundry General	30	0	45	0	0	0	0	0	0	0	0	5	Yes
Suma ECTS													30	
Semester 2														
Mathematics														
OM-1-202-s	Matematyka II	45	45	0	0	0	0	0	0	0	0	0	9	Yes
Non-technical														
OM-1-208-s	Physical Education 1	0	0	0	0	0	0	0	0	0	30	0	0	No

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Other Basic														
OM-1-201-s	Electrotechnics and electronics	30	0	15	0	0	0	0	0	0	0	0	3	Yes
OM-1-203-s	Obróbka ubytkowa	15	0	15	0	0	0	0	0	0	0	0	2	No
OM-1-205-s	Chemia ogólna II	15	0	30	0	0	0	0	0	0	0	0	4	Yes
OM-1-232-s	The record of construction and engineering graphics	15	0	15	45	0	0	0	0	0	0	0	3	No
OM-1-242-s	Common computer applications	0	0	30	0	0	0	0	0	0	0	0	2	No
Physics														
OM-1-204-s	Physics	30	30	0	0	0	0	0	0	0	0	0	5	No
Foreign language (1/3)														
The rules for selecting groups/modules: jeden moduł z grupy													0	
OM-1-209-s	English B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 1/3	0	30	0	0	0	0	0	0	0	0	0	0	No
OM-1-211-s	French B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 1/3	0	30	0	0	0	0	0	0	0	0	0	0	No
OM-1-212-s	Spanish B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 1/3	0	30	0	0	0	0	0	0	0	0	0	0	No
OM-1-213-s	German B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 1/3	0	30	0	0	0	0	0	0	0	0	0	0	No
OM-1-214-s	Russian B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 1/3	0	30	0	0	0	0	0	0	0	0	0	0	No
Przedmiot humanistyczno-społeczny I														
The rules for selecting groups/modules: jeden moduł z grupy													2	
OM-1-206-s	Kierowanie zasobami ludzkimi	30	0	0	0	0	0	0	0	0	0	0	2	No
OM-1-210-s	Film studies. Introductory course	15	0	0	0	0	0	0	0	0	0	0	2	No
OM-1-215-s	Konflikty współczesnego świata	30	0	0	0	0	0	0	0	0	0	0	2	No
OM-1-217-s	The Main Issues and Directions of Philosophy	28	0	0	0	0	0	0	0	0	0	0	2	No
Suma ECTS													30	
Semester 3														
Non-technical														
OM-1-312-s	Physical Education 2	0	0	0	0	0	0	0	0	0	15	0	0	No
Other Basic														
OM-1-301-s	Environmental protection	15	0	15	0	0	0	0	0	0	0	0	2	No
OM-1-302-s	Mechanics and strength of materials	30	30	0	0	0	0	0	0	0	0	0	4	No
OM-1-303-s	Theory of Probability and Mathematical Statistics	15	0	15	0	0	0	0	0	0	0	0	2	No
OM-1-307-s	Physical Chemistry I	45	0	0	0	0	0	0	0	0	0	0	2	No
OM-1-309-s	proszę uzup	15	0	15	0	0	0	0	0	0	0	0	2	No
OM-1-317-s	Materials fo Foundry Moulds	30	0	45	0	0	0	0	0	0	0	0	5	Yes
OM-1-328-s	Termodynamika techniczna i technika cieplna, paliwa i spalanie	45	15	30	0	0	0	0	0	0	0	0	6	Yes
Physics														
OM-1-304-s	Physics II	30	0	30	0	0	0	0	0	0	0	0	7	Yes

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Foreign language (2/3)														
The rules for selecting groups/modules: Jeden modul z grupy													0	
OM-1-305-s	English B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 2/3	0	45	0	0	0	0	0	0	0	0	0	0	No
OM-1-306-s	French B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 2/3	0	45	0	0	0	0	0	0	0	0	0	0	No
OM-1-308-s	Spanish B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 2/3	0	45	0	0	0	0	0	0	0	0	0	0	No
OM-1-310-s	German B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 2/3	0	45	0	0	0	0	0	0	0	0	0	0	No
OM-1-311-s	Russian B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 2/3	0	45	0	0	0	0	0	0	0	0	0	0	No
Suma ECTS													30	
Semester 4														
Non-technical														
OM-1-409-s	Physical Education 3	0	0	0	0	0	0	0	0	0	15	0	0	No
Other Basic														
OM-1-401-s	Metal Forming	15	0	0	0	0	0	0	0	0	0	0	1	No
OM-1-408-s	Physical Chemistry II	15	30	30	0	0	0	0	0	0	0	0	5	Yes
OM-1-410-s	Materials Science and Engineering	45	0	30	0	0	15	0	0	0	0	0	6	Yes
OM-1-430-s	Research methods of materials	15	0	15	0	0	0	0	0	0	0	0	2	No
OM-1-433-s	Basics of machine design	45	15	0	30	0	0	0	0	0	0	0	6	Yes
OM-1-434-s	Science of mechanics	15	0	30	0	0	30	0	0	0	0	0	5	Yes
Foreign language (3/3)														
The rules for selecting groups/modules: Jeden modul z grupy													5	
OM-1-402-s	French B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 3/3	0	60	0	0	0	0	0	0	0	0	0	5	Yes
OM-1-403-s	Spanish B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 3/3	0	60	0	0	0	0	0	0	0	0	0	5	Yes
OM-1-404-s	German B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 3/3	0	60	0	0	0	0	0	0	0	0	0	5	Yes
OM-1-405-s	Russian B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 3/3	0	60	0	0	0	0	0	0	0	0	0	5	Yes
OM-1-407-s	English B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 3/3	0	60	0	0	0	0	0	0	0	0	0	5	Yes
Suma ECTS													30	
Semester 5														
Other Basic														
OM-1-515-s	Crystallisation of metals and alloys	30	15	0	0	0	0	0	0	0	0	0	3	No
OM-1-518-s	Technologia form odlewniczych	30	0	15	0	0	0	0	0	0	0	0	4	Yes
OM-1-519-s	The Refractories Materials	15	0	15	0	0	0	0	0	0	0	0	2	No
OM-1-520-s	Machines and equipment in metallurgical and foundry processes	30	0	30	0	0	0	0	0	0	0	0	5	Yes

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OM-1-521-s	Mechanisation and automation of metallurgical and foundry processes	30	0	0	30	0	0	0	0	0	0	0	4	Yes
OM-1-522-s	Metallurgy and foundry engineering of cast steel	30	0	30	0	0	0	0	0	0	0	0	4	Yes
OM-1-525-s	Physical chemistry of metallurgical and foundry processes	15	0	15	0	0	0	0	0	0	0	0	2	No
OM-1-537-s	Basics of Automation and Robotics	15	15	30	0	0	0	0	0	0	0	0	4	No
Obieralne kierunkowe I -Inżynieria Procesów Odlewniczych														
The rules for selecting groups/modules: Wybór dwóch modułu z bloku (2 ECTS)													2	
OM-1-501-s	Engineering plastics and their processing	15	0	0	0	0	0	0	0	0	0	0	1	No
OM-1-502-s	Ventilation, air conditioning and dedusting in foundries	15	0	0	0	0	0	0	0	0	0	0	1	No
OM-1-504-s	Metalurgia proszków	15	0	0	0	0	0	0	0	0	0	0	1	No
OM-1-505-s	Rules endurance shaping castings	15	0	0	0	0	0	0	0	0	0	0	1	No
OM-1-546-s	Energy management in foundries	15	0	0	0	0	0	0	0	0	0	0	1	No
OM-1-547-s	Knowledge of the ART	15	0	0	0	0	0	0	0	0	0	0	1	No
Obieralne kierunkowe II - Inżynieria Procesów Odlewniczych														
The rules for selecting groups/modules: Wybór jednego przedmiotu z bloku													1	
OM-1-503-s	Engineering of fluidization and two-phase flows	15	0	0	0	0	0	0	0	0	0	0	1	No
OM-1-506-s	Kształtowanie jakości odlewów	15	0	0	0	0	0	0	0	0	0	0	1	No
OM-1-507-s	Metalurgia proszków	15	0	0	0	0	0	0	0	0	0	0	1	No
OM-1-508-s	Alloy augmentation processes	15	0	0	0	0	0	0	0	0	0	0	1	No
OM-1-509-s	Reclamation of used sands	15	0	0	0	0	0	0	0	0	0	0	1	No
Suma ECTS													31	
Semester 6														
Engineering														
OM-1-606-s	Professional Practice (4 weeks)	0	0	0	0	0	0	0	0	0	120	0	4	No
Non-technical														
OM-1-660-s	Ochrona własności intelektualnej	15	0	0	0	0	0	0	0	0	0	0	1	No
Other Basic														
OM-1-608-s	Recycling in metallurgy and foundry industry	15	0	15	0	0	0	0	0	0	0	0	2	No
OM-1-623-s	Metallurgy and Foundry of Cast Iron	30	0	30	0	0	0	0	0	0	0	0	5	Yes
OM-1-624-s	Metallurgy and casting of non-ferrous metals	30	0	30	0	0	0	0	0	0	0	0	5	Yes
OM-1-629-s	Teoria wymiany masy, ciepła i pędu w procesach metalurgicznych i odlewniczych	15	15	0	0	0	0	0	0	0	0	0	2	No
OM-1-635-s	Projektowanie i uruchomienie produkcji odlewów	15	0	0	15	0	0	0	0	0	0	0	2	No
OM-1-639-s	Integrated Management Systems	15	0	15	0	0	0	0	0	0	0	0	2	No
OM-1-643-s	Komputerowe wspomaganie prac inżynierskich w metalurgii i odlewnictwie	15	0	30	0	0	0	0	0	0	0	0	3	No
Przedmiot humanistyczno-społeczny I														
The rules for selecting groups/modules: Jeden moduł z gupy													3	
OM-1-607-s	Protection of Cultural Heritage	30	0	0	0	0	0	0	0	0	0	0	3	No
OM-1-609-s	Archeometalurgia	15	0	0	0	0	15	0	0	0	0	0	3	No
Suma ECTS													29	
Semester 7														

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Thesis															
OM-1-701-s	Przygotowanie pracy dyplomowej i egzaminu dyplomowego	0	0	0	0	0	15	0	0	0	0	0	15	No	
OM-1-783-s	Seminarium dyplomowe	0	0	0	0	0	15	0	0	0	0	0	1	No	
Moduł in english															
The rules for selecting groups/modules: Jeden moduł z grupy													3		
OM-1-703-s	Corrosion and Corrosion Protection	30	0	0	0	0	15	0	0	0	0	0	3	No	
OM-1-704-s	Selected problems in surface engineering	45	0	0	0	0	0	0	0	0	0	0	3	No	
Moduły obieralne specjalnościowe I - Metalurgia															
The rules for selecting groups/modules: Wybór dwóch modułów z bloku i uzyskanie sumy - 11 ECTS													11		
OM-1-702-s	Wybrane zagadnienia z korozji tworzyw odlewniczych	15	0	15	0	0	15	0	0	0	0	0	5	No	
OM-1-771-s	Projektowanie technologii odlewniczych	15	0	0	30	0	0	0	0	0	0	0	6	No	
OM-1-773-s	Alloy augmentation processes	15	0	15	15	0	0	0	0	0	0	0	5	No	
OM-1-774-s	Foundry alloys for energy and air plane	15	0	15	15	0	0	0	0	0	0	0	6	No	
OM-1-775-s	Metrologia procesów odlewniczych	15	0	15	15	0	0	0	0	0	0	0	5	No	
OM-1-776-s	Machines and equipment for permanent and die casting	15	0	15	0	0	0	0	0	0	0	0	6	No	
OM-1-777-s	Technologie odlewów precyzyjnych	15	0	15	15	0	0	0	0	0	0	0	6	No	
OM-1-778-s	Technologia wytapiania i uszlachetniania metali nieżelaznych	15	0	15	0	0	15	0	0	0	0	0	5	No	
OM-1-779-s	Wpływ przemysłu odlewniczego na środowisko	15	0	15	0	0	15	0	0	0	0	0	5	No	
OM-1-780-s	Foundry and Metallurgical Waste	15	0	15	15	0	0	0	0	0	0	0	5	No	
OM-1-781-s	Modelowanie i symulacja procesów odlewniczych	15	0	15	15	0	0	0	0	0	0	0	6	No	
Suma ECTS													30		