



Faculty of: Management

Field of study: Management and Production Engineering

Study level: First-cycle studies

Form and type of study: Full-time studies

Annual: 2019/2020

Lecture language: Polish

Code	Module name	Lectures	Auditorium classes	Laboratory classes	Project classes	Conversation seminar	Seminar classes	Practical classes	Fieldwork classes	Workshops	Prace kontrolne i przejściowe	Lektorat	Zajęcia z wychowania fizycznego	ECTS	E
Semester 1															
Compulsory modules - ZiIP 1 degree															32
ZZIP-1-101-s	Algebra and Differential Calculus	45	30	0	0	0	0	0	0	0	0	0	0	6	Yes
ZZIP-1-102-s	Chemistry	45	0	0	0	0	0	0	0	15	0	0	0	6	Yes
ZZIP-1-103-s	Physics	30	0	0	0	0	0	0	0	15	0	0	0	4	No
ZZIP-1-104-s	Materiałoznawstwo	15	0	0	0	0	0	0	0	30	0	0	0	3	No
ZZIP-1-105-s	Maszynoznawstwo	30	0	0	0	0	0	0	0	15	0	0	0	4	Yes
ZZIP-1-106-s	Business Law	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-107-s	Podstawy informatyki	15	0	0	15	0	0	0	0	0	0	0	0	2	No
ZZIP-1-108-s	Fundamentals of Economy	30	15	0	0	0	0	0	0	0	0	0	0	4	No
ZZIP-1-109-s	Physical Education 1	0	0	0	0	0	0	0	0	0	0	0	30	0	No
Suma ECTS															32

Semester 2															
Compulsory modules - ZiIP 1 degree															28
ZZIP-1-201-s	Integral calculus	30	30	0	0	0	0	0	0	0	0	0	0	6	Yes
ZZIP-1-202-s	Electromagnetic processes	30	0	0	0	0	0	0	0	15	0	0	0	4	Yes
ZZIP-1-203-s	Informatics	15	0	0	30	0	0	0	0	0	0	0	0	4	No

Study programme - Management and Production Engineering - 2019/2020

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ZZIP-1-204-s	Grafika inżynierska	15	0	15	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-205-s	Production processes	30	0	0	15	0	0	0	0	15	0	0	0	6	Yes
ZZIP-1-206-s	Mechanika i wytrzymałość materiałów	30	0	15	0	0	0	0	0	15	0	0	0	5	No
ZZIP-1-208-s	Physical Education 2	0	0	0	0	0	0	0	0	0	0	0	15	0	No
Elective block: Język obcy do wyboru B2 - I stopień - (1/3)															
The rules for selecting groups/modules: Student wybiera jeden z oferowanych języków, ale preferowanym na Wydziale Zarządzania jest język angielski.															
ZZIP-1-207-s	Spanish B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 1/3	0	0	0	0	0	0	0	0	0	0	30	0	0	No
ZZIP-1-209-s	English B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 1/3	0	0	0	0	0	0	0	0	0	0	30	0	0	No
ZZIP-1-210-s	French B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 1/3	0	0	0	0	0	0	0	0	0	0	30	0	0	No
ZZIP-1-211-s	German B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 1/3	0	0	0	0	0	0	0	0	0	0	30	0	0	No
ZZIP-1-212-s	Russian B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 1/3	0	0	0	0	0	0	0	0	0	0	30	0	0	No
Suma ECTS														28	

Semester 3

Compulsory modules - ZiIP 1 degree														16	
ZZIP-1-301-s	Mathematics with Elements of Statistics	15	15	0	15	0	0	0	0	0	0	0	0	6	Yes
ZZIP-1-302-s	Electrotechnics and Electronics	15	0	15	0	0	0	0	0	15	0	0	0	4	Yes
ZZIP-1-303-s	Projektowanie inżynierskie	15	0	15	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-305-s	Fundamentals of Management and Entrepreneurship	30	30	0	0	0	0	0	0	0	0	0	0	3	Yes
ZZIP-1-307-s	Physical Education 3	0	0	0	0	0	0	0	0	0	0	0	15	0	No
Elective block: Grupa obieralna - energetyka III semestr ZIP														12	
The rules for selecting groups/modules: Student wybiera przedmioty o łącznej liczbie min. 12 ECTS															
ZZIP-1-306-s	Efficiency of financial investments	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-308-s	Design thinking in management	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-313-s	Introduction to financial accounting for engineers	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-314-s	Energy management	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-315-s	International economic policy	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-316-s	Non-financial reporting in the perspective of sustainable development	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-317-s	Reindustrialization	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-318-s	Financial report and its analysis	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-319-s	Transport in tourism	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-320-s	Managing your own development	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-321-s	Shaping your own creativity and personal development	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-322-s	Ecology and ecotechnology	15	0	0	0	0	0	0	0	15	0	0	0	3	No
Elective block: Język obcy do wyboru B2 - I stopień - (2/3)															
The rules for selecting groups/modules: Student wybiera jeden z oferowanych języków															

Study programme - Management and Production Engineering - 2019/2020

Code	Module name	Lectures	Auditorium classes	Laboratory classes	Project classes	Conversation seminar	Seminar classes	Practical classes	Fieldwork classes	Workshops	Prace kontrolne i przejściowe	Lektorat	Zajęcia z wychowania fizycznego	ECTS	E
ZZIP-1-304-s	French B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 2/3	0	0	0	0	0	0	0	0	0	0	45	0	0	No
ZZIP-1-309-s	English B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 2/3	0	0	0	0	0	0	0	0	0	0	45	0	0	No
ZZIP-1-310-s	Spanish B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 2/3	0	0	0	0	0	0	0	0	0	0	45	0	0	No
ZZIP-1-311-s	German B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 2/3	0	0	0	0	0	0	0	0	0	0	45	0	0	No
ZZIP-1-312-s	Russian B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 2/3	0	0	0	0	0	0	0	0	0	0	45	0	0	No
Suma ECTS														28	

Semester 4

Compulsory modules - ZiIP 1 degree														15	
ZZIP-1-401-s	Production and Services Management	15	0	0	30	0	0	0	0	0	0	0	0	3	Yes
ZZIP-1-402-s	Operational Research	15	0	15	0	0	0	0	0	15	0	0	0	3	Yes
ZZIP-1-404-s	Metrology	15	0	15	0	0	0	0	0	15	0	0	0	3	Yes
ZZIP-1-405-s	Industrial Marketing	30	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-406-s	Cost Analysis for Engineers	15	30	0	0	0	0	0	0	0	0	0	0	3	No
Elective block: Grupa obieralna - IV semestr ZIP														12	
The rules for selecting groups/modules: Student wybiera przedmioty o łącznej wartości min. 12 ECTS															
ZZIP-1-407-s	Contemporary issues of economics	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-411-s	Human Resources Management	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-413-s	Environmental conditions of doing business in EU countries	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-414-s	Problems of Contemporary Engineering	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-415-s	Qualitative Foundations of Production Engineering	15	0	0	15	0	0	0	0	0	0	0	0	3	No
ZZIP-1-416-s	Evaluation of innovation projects	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-417-s	Encyclopedia of technology	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-419-s	Presentation skills and speeches	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-420-s	Stochastics in Evaluating Risky Projects	15	0	0	15	0	0	0	0	0	0	0	0	3	No
ZZIP-1-421-s	Tourist infrastructure	15	0	0	0	0	0	0	0	15	0	0	0	3	No
Elective block: Język obcy do wyboru B2 - I stopień - (3/3)														5	
The rules for selecting groups/modules: Student wybiera jeden z oferowanych języków															
ZZIP-1-403-s	German B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 3/3	0	0	0	0	0	0	0	0	0	0	60	0	5	Yes
ZZIP-1-408-s	French B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 3/3	0	0	0	0	0	0	0	0	0	0	60	0	5	Yes
ZZIP-1-409-s	Spanish B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 3/3	0	0	0	0	0	0	0	0	0	0	60	0	5	Yes
ZZIP-1-410-s	Russian B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 3/3	0	0	0	0	0	0	0	0	0	0	60	0	5	Yes

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ZZIP-1-412-s	English B2 course - compulsory course of 135 hours for students of FIRST-CYCLE studies - semester 3/3	0	0	0	0	0	0	0	0	0	0	60	0	5	Yes
Suma ECTS														32	

Semester 5

Compulsory modules - ZiIP 1 degree														18	
ZZIP-1-501-s	Automatization of Processes	15	0	15	0	0	0	0	0	15	0	0	0	4	Yes
ZZIP-1-502-s	Dependability of Systems	15	0	0	30	0	0	0	0	0	0	0	0	3	Yes
ZZIP-1-503-s	Production System Design and Modelling	15	0	30	0	0	0	0	0	15	0	0	0	5	Yes
ZZIP-1-505-s	Protection of Intellectual Property	15	15	0	0	0	0	0	0	0	0	0	0	2	No
ZZIP-1-506-s	Ecology and Environmental Management	15	15	0	0	0	0	0	0	0	0	0	0	2	No
ZZIP-1-507-s	Zarządzanie jakością	15	0	15	0	0	0	0	0	0	0	0	0	2	No
Elective block: Grupa obieralna - V semestr ZIP														12	
The rules for selecting groups/modules: Student wybiera przedmioty o łącznej wartości min. 12 ECTS															
ZZIP-1-504-s	Methods and tools for management engineering	15	0	0	15	0	0	0	0	0	0	0	0	3	No
ZZIP-1-508-s	DEMATEL. Theory and applications	15	0	0	15	0	0	0	0	0	0	0	0	3	No
ZZIP-1-509-s	Systems engineering	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-510-s	Decision Analysis Foundations	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-511-s	Selected multi-attribute decision analysis techniques	15	0	0	15	0	0	0	0	0	0	0	0	3	No
ZZIP-1-512-s	Multimedia information management	15	0	0	15	0	0	0	0	0	0	0	0	3	No
ZZIP-1-513-s	Shaping the image of the manager	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-514-s	Ecological Sources of Energy Acquisition	15	0	0	0	0	0	0	0	15	0	0	0	3	No
Suma ECTS														30	

Semester 6

Compulsory modules - ZiIP 1 degree														17	
ZZIP-1-601-s	Control of discrete production processes	30	0	0	15	0	0	0	0	15	0	0	0	3	Yes
ZZIP-1-602-s	Sterowanie ciągłymi procesami produkcyjnymi	15	0	15	0	0	0	0	0	0	0	0	0	2	No
ZZIP-1-603-s	Zarządzanie bezpieczeństwem	15	0	0	0	0	0	0	0	15	0	0	0	2	No
ZZIP-1-604-s	Diploma Seminar - Introduction to Science Research	15	15	0	0	0	0	0	0	0	0	0	0	2	No
ZZIP-1-605-s	Practical Training (4 weeks)	0	0	0	0	0	0	100	0	0	0	0	0	4	No
ZZIP-1-606-s	Sociology	15	15	0	0	0	0	0	0	0	0	0	0	2	No
ZZIP-1-607-s	Logistics	15	0	0	15	0	0	0	0	0	0	0	0	2	Yes
Elective block: Elective group in English language (ZIP, 6 semester)														4	
The rules for selecting groups/modules: Student wybiera moduły o wartości min. 4 ECTS															
ZZIP-1-610-s	Introduction to modern input-output analysis	30	0	0	0	0	0	0	0	30	0	0	0	4	No
ZZIP-1-611-s	Responsible Supply Chain Management	30	0	0	0	0	0	0	0	30	0	0	0	4	No
ZZIP-1-612-s	Transport Management	30	0	0	0	0	0	0	0	30	0	0	0	4	No
ZZIP-1-614-s	VRP and Supply Chain Optimization Models	30	0	0	0	0	0	0	0	30	0	0	0	4	No
ZZIP-1-623-s	Fundamentals of Computer Aided Design	30	0	0	0	0	0	0	0	30	0	0	0	4	No

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Elective block: Grupa obieralna - VI semestr ZIP														9	
The rules for selecting groups/modules: Student wybiera przedmioty o łącznej wartości min. 9 ECTS															
ZZIP-1-608-s	Information management systems	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-609-s	Badania i analiza rynku przemysłowego	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-613-s	New engineering materials - properties, applications	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-616-s	Consumer behavior	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-617-s	Databases	15	0	0	15	0	0	0	0	0	0	0	0	3	No
ZZIP-1-619-s	Innovation Marketing	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-620-s	Global Production Engineering and Management	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-622-s	Innovative investment strategies	15	0	0	15	0	0	0	0	0	0	0	0	3	No
ZZIP-1-624-s	Modern IT tools in production engineering	15	0	0	15	0	0	0	0	0	0	0	0	3	No
ZZIP-1-625-s	From the 'State' to the 'Capital'. Milestones of Economic Thought	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-626-s	The basics of modern marketing communication	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-627-s	Basics of management in hotel and gastronomy	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-628-s	Sciences about Commodities	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-629-s	Property Management	15	15	0	0	0	0	0	0	0	0	0	0	3	No
ZZIP-1-630-s	Sustainable, cleaner production	15	0	0	0	0	0	0	0	15	0	0	0	3	No
Suma ECTS														30	

Semester 7

Grupa obieralna - praca dyplomowa VII semestr ZIP														15	
ZZIP-1-714-s	Diploma Project	0	0	0	0	0	0	0	0	0	375	0	0	15	No
Elective block: Grupa obieralna - VII semestr ZIP														15	
The rules for selecting groups/modules: Student wybiera przedmioty o łącznej wartości min. 15 ECTS															
ZZIP-1-701-s	Modeling and simulation of discrete and continuous processes in FlexSim	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-702-s	Ethics and etiquette in management	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-703-s	Selected data analysis techniques	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-704-s	MSP management	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-705-s	Modern construction materials of the 21st century	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-706-s	Making decisions based on the analysis of the envelope	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-707-s	Obtaining energy from waste	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-708-s	Friendly transport	15	0	0	0	0	0	0	0	15	0	0	0	3	No
ZZIP-1-709-s	Selected methods of risk management in enterprises	15	15	0	0	0	0	0	0	0	0	0	0	3	No
Suma ECTS														30	

Łączna liczba godzin zajęć

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