## Second-cycle studies leading to MSc degree

Field of study: Management and Production Engineering

Type of studies: full-time second-cycle studies

Recruitment for the academic year 2022/2023

Duration: 3 semesters

University of Zielona Góra
Institute of Mechanical Engineering
Faculty of Mechanical Engineering

					Form of			SE	MES	TER	1				SE	MES	TER	2		SEMESTER 3						
No.		COURSE NAME	Hours per semester	ECTS	assignm	F	orm	of cl	asse	s	Form of	S	F	orm	of cl	asse	s	Form of	LS	Form of classes					Form of	2
			Hou	Ш	ent	W	С	Р	L	S	assignm ent	ECTS	W	С	Р	L	S	assignm ent	ECTS	W	С	Р	L	S	assignm ent	ECTS
1		Strategic Management	45	3	ZO	15		30			ZO	3														
2		Organization of Production Systems	30	3	Е	15		15			Е	3														
3	ts	Integrated Management Systems	45	3	Е	15			30		Е	3														
4	subjects	Business Prognossis and Symulation	30	3	Е	15			15		Е	3														
5	suk	Project management and innovations	30	3	ZO	15		15			ZO	3														
6		Decision Support Systems	30	3	ZO	15		15			ZO	3														
7	general	Business Process Modeling and Simulation	45	3	ZO	15			30		ZO	3														
8	g	Programming for Engineering Applications	45	3	ZO	15	15		15		ZO	3														
9	ule of	Methods and techniques of production management	45	3	ZO	15		30			ZO	3														
10	module	Fundamentals of scientific research methodology	30	2	ZO	15		15			ZO	2														
11	The	Problem Seminar	15	1	zal					15	zal	1														
12 13		Professional Foreign Language Skills 1. English 2. German	30	2	zo											30		ZO	2							
14	<b>1</b> 2	Examining working methods and time	45	3	ZO								15		30			ZO	3							
15	ement	Optimisation of production flow	60	5	E								30		30			Е	5							
16	Managen	Modelling and simulation of production processes	45	5	Е								15			30		E	5							
17	Mar	Advanced CAD Modelling	30	3	ZO										30			ZO	3							
18	d)	Computer Aided Engineering	60	4	ZO								30		30			ZO	4							
19	cialty: ervice	Transition work	45	4	ZO										45			ZO	4							
20	စ္ကလ	Master thesis seminar I	60	4	ZO												60	ZO	4							
21	sp and	Design for assembly	45	3	ZO															15		30			ZO	3
22	uction a	Restructuring of production processes and services	45	2	ZO															15		30			ZO	2
23	Juc	Schedulling of Production Processes	45	2	ZO															15		30			ZO	2

			er	(0	Form of			SE	MES	TER	1				SEI	MES	TER	2		SEMESTER 3						
No.		COURSE NAME	Hours per semester	ECTS	assignm	F	orm	of cl	asse	s	Form of	ည	F	orm	of cla	asse	s	Form of	LS	Form of classes					Form of	2
			Hor	Ш	ent	W	С	Р	L	s	assignm ent		W	С	Р	L	S	assignm ent	ECTS	W	С	Р	L	S	assignm ent	ECTS
24	Prod	Master thesis seminar II	60	3	ZO																			60	ZO	3
25	Ь	Master thesis (final project)	0	20	zal																				zal	20
14		Producibility and product quality	45	4	Е								15		30			Е	4							
15		Quality control	45	4	E								15		30			Е	4							
16		Design of experiments	60	5	E								30		30			Е	5							
17	ecialty: <b>Engineering</b>	Computer-Aided design and simulation of manufacturing processes	30	3	ZO											30		ZO	3							
18	/: 	CAx techniques in production engineering	60	4	ZO										30	30		ZO	4							
19	ecialty <b>Engin</b>	Transition work	45	4	ZO										45			ZO	4							
20		Master thesis seminar I	60	4	ZO												60	ZO	4							
21	sp <b>Iity</b>	Pro-quality design	45	3	ZO																	45			ZO	3
22	sp <b>Quality</b>	Assessment of the technical quality of materials and products	45	2	ZO															15		30			ZO	2
23		Advanced quality management techniques	45	2	ZO															15		30			ZO	2
24		Master thesis seminar II	60	3	ZO																			60	ZO	3
25		Master thesis (final project)	0	20	zal																				zal	20
14		Computer-Aided design and simulation of manufacturing processes	45	4	zo								15			30		ZO	4							
15		Quantitative methods in logistics	60	4	Е								30			30		Е	4							
16	ī	Metrology in mechanical and electrical I	45	4	ZO								15			30		ZO	4							
17	specialty: Logistics management	Engineering of logistics processes in production	45	4	Е								30			15		Е	4							
18	alty	Knowledge Management	45	4	ZO								15			30		ZO	4							
19	specialty cs mana	Transition work	45	4	ZO										45			ZO	4							
20	sp ics	Master thesis seminar I	60	4	ZO												60	ZO	4							
21	jist	Design of distribution logistics systems	45	3	ZO															15			30		ZO	3
22	Log	Metrology in mechanical and electrical II	45	2	ZO															15			30		ZO	2
23		Procurement Logistics Engineering	45	2	ZO															15			30		ZO	2
24		Master thesis seminar II	60	3	ZO																			60	ZO	3
25		Master thesis (final project)	0	20	zal																				zal	20

The module of general subjects	420	32
Specialty: Production and Service Management	540	58

390
0

30	30
0	345

2	0
28	195

		per ster	ECTS	Form of	SEMESTE	R 1		SEMESTER	2	SEMESTER 3					
No.	COURSE NAME	urs		assignm ent	Form of classes	Form of C	<u> </u>	Form of classes	Form of	ECTS	Form of classes			Form of	1 🗀 1
		Ho			W C P L S	assignm c	EC	W C P L S	assignm ent		w c	P L	S	assignm ent	EC
	Specialty: Quality Engineering	540	58		0		0	345		28		195			30
	Specialty: Logistics management		58		0		0	345		28		195			30
	Vocational Training	0	0												
	Total	960	90		390	3	30	375		30		195			30

Note: W-lecture, C-classes, L-laboratory, P-project, S-seminar

E-exam, ZO-credit for a grade, zal-credit