

MAIN FIELD OF STUDY: **Management and Manufacturing Engineering**
 SPECIALIZATION: **Production Management**
 EDUCATION LEVEL: **second-level studies**
 STUDY PROGRAMME: **W10-ZIPP-PMGA-OSMW3**

IN EFFECT SINCE: **2023/24-L**
 FORM OF STUDIES: **full-time studies**
 LANGUAGE OF STUDY: **english**

Development of enterprises based on digital transformation W10ZIP-SM4059 S ECTS: W C L P S D 1 ZZU: 15	ECTS: W C L P S D ZZU:	ECTS: W C L P S D ZZU:
Reverse engineering W10ZIP-SM4060 S ECTS: W C L P S D 1 1 ZZU: 15 15	ECTS: W C L P S D ZZU:	ECTS: W C L P S D ZZU:
Research methodology W10ZIP-SM4061 S ECTS: W C L P S D 1 1 ZZU: 15 15	ECTS: W C L P S D ZZU:	ECTS: W C L P S D ZZU:
Modern trends in production W10ZIP-SM4062 S E ECTS: W C L P S D 2 ZZU: 30	ECTS: W C L P S D ZZU:	ECTS: W C L P S D ZZU:
Project management W10ZIP-SM4063 S ECTS: W C L P S D 1 1 ZZU: 15 15	Digitization and robotization in industrial processes W10ZIP-SM4071 S ECTS: W C L P S D 1 ZZU: 15	ECTS: W C L P S D ZZU:
Flexible manufacturing automation W10ZIP-SM4064 S ECTS: W C L P S D 2 1 ZZU: 30 15	Production optimization methods W10ZIP-SM4073 S ECTS: W C L P S D 1 ZZU: 15	ECTS: W C L P S D ZZU:
Simulation of manufacturing processes W10ZIP-SM4065 S ECTS: W C L P S D 1 ZZU: 15	Quality management in production W10ZIP-SM4074 S E ECTS: W C L P S D 2 2 ZZU: 30 30	Additive technologies in production engineering W10ZIP-SM4082 S ECTS: W C L P S D 1 1 ZZU: 15 15
Modeling of processes in the enterprise W10ZIP-SM4066 K ECTS: W C L P S D 1 2 ZZU: 15 30	Lean manufacturing methods and tools W10ZIP-SM4075 S ECTS: W C L P S D 2 2 ZZU: 30 30	Knowledge management W10ZIP-SM4083 S ECTS: W C L P S D 1 1 ZZU: 15 15
Invention engineering W10ZIP-SM4067 K ECTS: W C L P S D 1 1 ZZU: 15 15	Community product development W10ZIP-SM4076 S ECTS: W C L P S D 1 1 ZZU: 15 15	Product life cycle management W10ZIP-SM4084 S ECTS: W C L P S D 2 2 ZZU: 30 30
Factory layout design W10ZIP-SM4068 K ECTS: W C L P S D 1 1 ZZU: 15 15	Innovative manufacturing technologies W10ZIP-SM4077 K ECTS: W C L P S D 2 1 ZZU: 30 15	Monitoring and visualization in manufacturing W10ZIP-SM4085 S ECTS: W C L P S D 1 2 ZZU: 15 30
Social psychology W08ZIP-SM4005 K ECTS: W C L P S D 3 ZZU: 30	Selected data analysis methods W10ZIP-SM4078 K E ECTS: W C L P S D 1 1 ZZU: 15 15	Financial analysis W10ZIP-SM4086 K ECTS: W C L P S D 1 1 ZZU: 15 15
Management and engineering of systems reliability W10ZIP-SM4069 K ECTS: W C L P S D 2 1 ZZU: 30 15	Intelligent methods in the organization of production W10ZIP-SM4079 K ECTS: W C L P S D 2 2 ZZU: 30 30	Innovative manufacturing technologies W10ZIP-SM4087 K ECTS: W C L P S D 1 ZZU: 15
Physicochemical aspects of manufacturing processes W10ZIP-SM4070 K ECTS: W C L P S D 1 1 ZZU: 15 15	Methods of estimating the carbon footprint W10ZIP-SM4080 K ECTS: W C L P S D 1 1 ZZU: 15 15	Strategic management W10ZIP-SM4088 K ECTS: W C L P S D 2 ZZU: 15
Digitization and robotization in industrial processes W10ZIP-SM4071 K ECTS: W C L P S D 1 ZZU: 15	Foreign language II SJO-SM0002 K ECTS: W C L P S D 2 ZZU: 45	Diploma seminar W10ZIP-SM4089 K ECTS: W C L P S D 2 ZZU: 30
Foreign language I SJO-SM0001 K ECTS: W C L P S D 1 ZZU: 15	Thesis I W10ZIP-SM4081 K ECTS: W C L P S D 4 ZZU: 3	Thesis II W10ZIP-SM4090 K ECTS: W C L P S D 12 ZZU: 7

K - Main field subject *S* - Specialization subject *E* - The lecture ends with an exam
 W - lecture, C - exercises, L - laboratory, P - project, S - seminar, D - own work