



UNIVERSITETI / UNIVERSITY
"ISA BOLETINI"
MITROVICË

Course Curriculum Model (Syllabus)		
Faculty:	FACULTY OF MECHANICAL AND COMPUTER ENGINEERING	
Department:	Mechanical Engineering and Economic Engineering	
Study Program	MSc in Manufacturing Technology and Management	
Level:	Master	
Code of the course:	208MTM	
Course:	Industrial and Business Management Practice	
Course Status:	Mandatory	Mandatory/Elective
Semester:	I	Winter/Summer
Number of hours per week:	2 hours / week (contact + supervision)	
ECTS:	5	
Time / location:	Flexibility	
Academic Year / Semester	2026/2027	
Language of Instruction:	Albanian (with flexibility in English)	
Lecturer:	Prof. Asoc. Dr. Faruk Ahmeti	
Assistant:		
Contact details:	Professor	Assistant
Email:		
Telephone:		
Course Description	This course provides practical experience in management and business functions within manufacturing organizations. Students are exposed to production planning, project management, human resource management, financial analysis, logistics, supply chain management, and strategic decision-making through industrial projects and case studies.	
Course Purpose / Course Goals	The purpose of this course is to provide students with practical experience in industrial management and business-related functions within manufacturing organizations. The course aims to develop students' understanding of production planning, project management, supply chain operations, financial and economic decision-making, and organizational management practices. Through industry-based activities, case studies, and practical assignments, students will strengthen their ability to analyze managerial processes and support decision-making in manufacturing and business environments.	
Course Objectives	• To expose students to practical aspects of industrial management and business operations in manufacturing organizations. • To develop understanding of production planning, scheduling, and operational decision-making processes. • To enhance students' ability to analyze project management and organizational structures in industry. • To apply basic financial, economic, and cost analysis in manufacturing contexts. • To understand supply chain and logistics processes in real industrial environments. • To develop skills in preparing managerial reports and recommendations based on industrial data and case studies. • To strengthen students' analytical, communication, and teamwork skills in a business-oriented engineering environment.	

Intended Learning Outcomes (ILOs)	Upon successful completion of the course, students will be able to: 1. Analyze management practices in manufacturing organizations. 2. Evaluate production planning and operational decision-making processes. 3. Apply project management principles in industrial environments. 4. Assess basic financial and economic indicators relevant to manufacturing operations. 5. Analyze supply chain and logistics activities. 6. Prepare managerial reports and recommendations for organizational improvement.
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	Weeks	
Program	1-15	Suggested Weekly Topics Introduction to industrial management practice and organizational structures Production planning and operational decision-making in industry Project management fundamentals in manufacturing organizations Human resource management and team organization in production systems Cost analysis and basic financial evaluation in manufacturing Supply chain and logistics operations in real industrial settings Inventory management and procurement processes Quality management and performance indicators in industry Lean management and productivity improvement practices Risk management in industrial operations Digital tools in industrial management (ERP/MRP systems) Case study: integrated production and business analysis Development of industrial management project/report Preparation of final presentation Presentation and discussion of project outcomes

Literature / Reading List:				
Literature	Core Textbooks: - Heizer, J., Render, B., & Munson, C. <i>Operations Management: Sustainability and Supply Chain Management</i>. Pearson. - Slack, N., Brandon-Jones, A., & Burgess, N. <i>Operations Management</i>. Pearson. - Meredith, J. R., & Mantel, S. J. <i>Project Management: A Managerial Approach</i>. Wiley.			
	Industrial Management & Strategy: - Bhandari, V. B. <i>Design of Experiments in Production Engineering</i>. - Stevenson, W. J. <i>Operations Management</i>. McGraw-Hill. - Porter, M. E. <i>Competitive Strategy</i>. Free Press.			
	Supply Chain & Logistics: Chopra, S., & Meindl, P. <i>Supply Chain Management: Strategy, Planning, and Operation</i>. Pearson.			
	Supplementary / Practical Resources: - Case studies from manufacturing companies (Siemens, Bosch, Toyota Production System) - Industry reports and white papers on production management and logistics - ERP/MRP system documentation and applied industrial software materials - ISO standards related to quality and operations management (ISO 9001, ISO 31000)			
Teaching and Learning Methods	- Industrial case studies based on real manufacturing and business scenarios - Practical assignments in production planning, logistics, and management analysis - Project-based learning with individual and group industrial management projects - Guest lectures from industry professionals and managers - Field visits to manufacturing and service organizations - Supervised analysis of industrial data and decision-making processes - Independent study and preparation of managerial reports and presentations			
	Contribution to student workload (which should correspond to student learning outcomes - 1 ECTS credit = 25 hours)			
	Activity	Hours	Days/weeks	Total

	Student Workload / Total Learning Hours (5 ECTS = 125 hours) - Industrial practice (management observation in companies) – 35 hours - Fieldwork and company visits – 20 hours - Case study analysis (production, finance, logistics) – 20 hours - Project work (individual/group) – 25 hours - Managerial report writing – 15 hours - Independent study and preparation – 10 hours			
	Total			125

Assessment

- Industrial Management Project – 40%
- Case Study Analysis – 30%
- Presentation – 20%
- Participation – 10%

	Final grade	Points (%)	Mark
		91 – 100	10
		81 - 90	9
		71 - 80	8
		61 - 70	7
		51 - 60	6

Academic policies	Attendance, Ethics and Work Rules Regular attendance and active participation in all practical and field-based activities are required. Students are expected to follow organizational rules during company visits and industry-related activities. All assignments, case studies, and project reports must be prepared using a computer and must meet both content quality and professional presentation standards. Academic integrity is strictly enforced. All submitted work must be original. Plagiarism, copying, or reuse of external material without proper referencing is not allowed and will result in negative evaluation. Submission deadlines are mandatory and must be respected. Late submissions will not be accepted without valid justification. Absence from scheduled activities does not exempt students from submission obligations. Students traveling or being unable to attend must submit their work in advance where possible. Students may request consultations with the instructor when needed for clarification or guidance on assignments and project work. Rules of conduct and academic policies: • active participation of students in lectures or participation in discussion, comments and free expression of opinion, opinion and academic position (with arguments) • mandatory independent work and use of additional sources of information (various scientific websites, scientific journals, conference proceedings, etc.) • respecting lecture schedules without compromising academic freedom (silent cell phones) of respecting the word, thoughts and ideas of colleagues, • it is not allowed to arrive late and leave without a valid reason from the lecture, test or exam or preparation and holding of relevant lectures, (obligation of the teacher). • if the student is absent more than four times without reason in lectures and exercises, does not receive the signature for attendance. or the student cannot take the exam without an official document, • if the student is dissatisfied with the grade obtained, has the right to complain in writing to the dean, within two working days after the announcement of the results, UMIB Statute or if the student does not follow the rules, in the exam uses tools that are not allowed, it is evaluated with a negative grade. Plagiarism or cheating will be penalized according to university regulations.
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