DISCIPLINE RECORD
Academic year 2025/2026

1. Information about the program

University	Constanta Maritime University
Faculty	Navigation and Maritime Transport
Department	Management in Transport
Domain of study	Engineering and Management
Academic level	Master
Study programme/ qualification	Business Administration in Transport

2. Information about discipline

Course title	Operations Management					
Lecture tenured			Lecturer Grațiela BRÂNZĂ, PhD			
Application tenured			Lecturer Grațiela BRÂNZĂ, PhD			
Year of study	V	Semester	II	Type of examination	P	
Conditions of discipline	Course category: DF – Fundamental subjects, DS – Specialization subjects, DC – Complementary subjects					DS
	Course type: DOB – compulsory subjects; DOP – elective subjects; DFA – optional subjects					DOB

3. The total time estimated

I a) Number of hours per week	1	Course		Seminar		Laboratory		Project	1
I b) Total hours per semester from the curriculum	14	Course		Seminar		Laboratory		Project	14

II Time distribution for the semester:	ore
II a) Study after manual, course support, bibliography and notes	31
II b) Additional documentation in library, specialized electronic platforms	30
II c) Training seminars / labs, homework, essays, portfolios and essays	50
III Tutorial	
IV Examinations	2
V Other activities:	

Total hours of individual study II (a+b+c)	111
Total hours per semester (Ib+II+III+IV+V)	127
Number of credits	5

4. Prerequisites (if necessary)

Curriculum	• Management, Marketing, Business Development
Expected learning outcomes	• An Operations Management project typically aims to help students understand how organizations transform inputs into outputs, manage processes efficiently, and design strategies for competitiveness. Students are expected to gain skills in process analysis, supply chain management, quality control, and strategic decision-making.

5.Conditions (if necessary)

Progress of the course		•
Progress of application	Seminar	•
	Laboratory	•
	Project	• Classroom equipped with video projector and projection screen

6.Objectives of discipline (based on the grid of specific skills acquired – no7)

The overall objective of discipline	• The overall objective of Operations Management is to learn how to design, execute, and improve business processes to ensure efficient, effective production of goods and services. It aims to equip students with the skills to optimize operations,

	manage supply chains, resolve bottlenecks, and apply tools such as lean production and process mapping to improve productivity and reduce costs.
The specific objectives of discipline	• Understanding how to align production and operations with business goals and customer demand. • Learning to plan, schedule and control production resources to achieve efficiency and quality. • Gaining skills in managing supply chains, inventory, and project execution. • Applying modern operational tools and digital technologies to handle complexities like capacity constraints and production scheduling. • Building the ability to analyze operations bottlenecks, improve workflows, and enhance business resiliency .

7. Expected learning outcomes:

No.	Knowledge	Skills	Responsibility and autonomy
1	The student is aware of trends and innovations in the transport sector.	The student conducts qualitative and quantitative market research.	The graduate leads initiatives to improve the quality of transport services.
2	The student masters ICT solutions applicable to business problems.	The student advises on strategic business decisions based on data analysis.	The graduate assumes responsibility for implementing ICT innovations.
3	The student comprehends organizational behavior and needs analysis.	The student builds and maintains effective business relationships.	The graduate identifies and reports previously undetected organizational needs.
4	The student understands quality assurance standards in transport services.	The student ensures compliance with quality and safety metrics.	The graduate is responsible for continuous service quality improvement.
5	The student has knowledge of project management methodologies.	The student applies modern economic and decision-making techniques.	The graduate initiates and manages projects with minimal supervision.

8. Competences covered by the discipline, according to the diploma supplement

Professional competences	• Provides advice on efficiency improvements • Negotiates with stakeholders • Adapts to changing situations • Ensure project management • Performs quality control • Ensures continuous training for audits • Focuses on innovation in current practices • Manage contracts • Plans transport operations • Port operations manager
Transversal competences	• Seek innovation in current practices • Propose ICT solutions to business problems

9.Content

Application (Project)	Nr. hours	Teaching methods	Obs.
• Literature Review for project theme	3 h	Interactive discussions	
• Data Collection / Case research	3 h	Interactive discussions	
• Analysis (Quantitative/Qualitative)	5 h	Interactive discussions	
• Results and Recommendations	2 h	Interactive discussions	
• Presentation	1 h	Power Point presentation	

Bibliography

- Carter, P.J., R.M. Monczka, and J. Mossconi. "Looking at the Future of Supply Management," Supply Chain Management Review, December 2005
- Chase, R.B., F.B. Jacob, and N.J. Aquilano. Operations Management for a Competitive Advantage, Eleventh Edition. New York: Irwin McGraw-Hill, 2006
- Heizer Jay, Render Barry, Munson Chuck, Operations Management: Sustainability and Supply Chain Management, Global Edition, Editura PEARSON Education Limited, 2019
- Helmond Marc, Terry Brian, Operations and Supply Management 4.0, Industry Insights, Case Studies and Best Practices, Editura Springer Nature Switzerland AG, 2022
- Johnston Chambers Stuart, Harland Christine, Harrison Alan, Slack Nigel, Cases in Operations Management, third edition, Pearson Education Limited, 2003
- Reid R. Dan, Nada R. Sanders, Operations Management: An Integrated Approach, Editura John Wiley & Sons Inc, 2022
- Stevenson William, Operations Management, Editura McGraw-Hill Education, 2020

Selective bibliography

- Stevenson William, Operations Management, Editura McGraw-Hill Education, 2020
- Helmond Marc, Terry Brian, Operations and Supply Management 4.0, Industry Insights, Case Studies and Best Practices, Editura Springer Nature Switzerland AG, 2022
- Notes available on the platform campus.cmu-edu.eu

Additional Notes

- Students may take photographs or make audio-video recordings in classrooms where teaching activities are conducted **only with the consent of the instructor** and **under the conditions established by the instructor**.
- Upon entering the classroom, students are kindly requested to **switch their mobile phones to silent mode** and **refrain from using them during classes**.
- All materials received by students, either directly or through postings on the platform *campus.cmu-edu.eu*, are subject to **national and international copyright legislation**. These materials may be used by students **solely for educational purposes**. Any other use or posting on publicly accessible websites without the consent of the copyright holder may be punished in accordance with **Law no. 8/1996 on copyright and related rights** and the **Berne Convention**.

10. The corroboration of contents of discipline with expectations epistemic community representatives, professional associations and representative employers in the corresponding program

- The content of the discipline is adapted to the requirements imposed by the labour market, being agreed by social partners, professional associations and employers in the field of the master's program. The formative contents of the discipline is established in order to satisfy the expectations of the employers in the field and to coordinate with other similar programs within other higher education institutions at national and international level.

11. Examination

Type of activity	Examination Criteria	Methods of examination	Percentage of final grade
Course			
Seminar			
Laboratory			
Project	To pass the exam with minimum score required, the master student has to accomplish minimum standards for all project's stages. Higher scores are related to student's individual performance.	The presentation of the project in the class	100%

Grading Requirements

Minimum score required: **50 points: 50-54->nota 5; 55-64-> nota 6; 65-74-> nota 7; 75-84-> nota 8; 85-94-> nota 9; 95-100-> nota 10**

Additional Notes

- A **midterm exam** may be organized during the semester.
- If a student participates in **conferences** (student, local, national, or international) or **competitions** (national or international) related to the subject of this course, they may receive **additional points** or **equivalence for certain assignments, papers, and/or attendance**, depending on the results obtained.
- During written examinations, students are **not allowed to use mobile phones or any other electronic devices**, **except for simple scientific calculators**.

Minimum performance standards

•**The master student should be able to present and to explain the main parts of the project.**

Date of completion	Signature of lecture tenured	Signature of application tenured
22-25.09.2025	Lecturer Grațiela BRÂNZĂ, PhD	Lecturer Grațiela BRÂNZĂ, PhD

Date of approval in the department	Signature of Director of Department
26.09.2025	Lecturer Ana Cornelia OLTEANU PhD

Date of approval in the faculty council	Signature of Dean
29.09.2025	Associated Professor Nicoleta ACOMI EngD