UNIWERSYTET
Andrzeja Frycza Modrzewskiego
w Krakowie

SUBJECT CARD

1. Basic information

Subject	**Operations Management**
Faculty	Faculty of Law
Field of studies	International Relations
Specialization	international business
PRK level	6 PRK
Education level	first-cycle studies
Form of studies	full-time studies
Group of activities	—
Number of ECTS points	3
Type of subject	specialization
Total number of hours	30 h
Didactic cycle	2024/2025 winter
Academic semester	4
Academic year	2
Education profile	general academic
Year of implementation	2025/2026
Language of instruction	English
Teacher(s)	dr Piotr Staliński

Semester, number of ECTS points, type of subject, number of hours

Semester	Lecture	
4	30 godz.	3 ECTS

2. General objectives

C1	This course introduces students to the field of Operations Management. The course will explain the role and importance of Operations in business organizations and discuss the various strategic and operational decisions made by Operations managers. The course will cover a variety of subject areas including operations strategy, project management, analyzing and improving processes, simulation, quality management, capacity planning and inventory management. The concepts covered in the course are applicable to both manufacturing and service organizations. The class discussion will be supported by the readings from the contemporary business literature.

3. Introductory requirements

Mathematics for Economists.

4. Learning outcomes

W1	Knowledge: to describe what operations managers do and what type of decisions they make.
W2	Knowledge: to identify basic types of processes to produce goods and services.
W3	Knowledge: to illustrate the application of PERT/CPM techniques to planning projects.
W4	Knowledge: to describe basic graphical tools used in process analysis.
W5	Knowledge: to explain the role of Simulation is process analysis.
W6	Knowledge: to describe how operations managers define and measure capacity.
W7	Knowledge: to define quality of manufactured goods and services.
W8	Knowledge: to discuss Six Sigma methodology, measures of quality, and statistical tools for controling quality.
W9	Knowledge: to discuss basic decision rules for managing inventories.
U1	Skills: Explains how performance of Operations Systems can be assessed using various measures of productivity, quality, flexibility, time and costs.
K1	Social competence: Discusses the role and importance of Operations Management and identifies various types of decisions made by Operations managers. Discusses modern Operations Management methodologies and techniques and illustrates their application in managerial decision making.

5. Course program

Lecture (30 h)

Code	Detailed description of the topic blocks (semester: 4)
Wyk1	Operations Management fundamentals.
Wyk2	Project Management techniques.
Wyk3	Process analysis and simulation.
Wyk4	Capacity planning.
Wyk5	Quality management: definitions, tools and methods.
Wyk6	Inventories: classifications and decision rules.

6. Didactic methods

Lecture	
M18	Problem solving
M20	Lecture

7. Student workload

Number of hours under supervision	Student workload
Lecture	**30 h**
Including e-learning:	**0 h**

Student's own work	
	45 h

Total workload	
Total number of hours for the course	**75 h**
Total number of ECTS points	**3 ECTS**

8. Conditions for course completion

Course completion criteria

Exam involving solving several computional problems.

Lectures (Final exam / Final pass)	
Grade 5:	88-100 pkt.
Grade 4,5:	80-87 pkt.
Grade 4:	70-79 pkt.
Grade 3,5:	60-69 pkt.
Grade 3:	50-59 pkt

9. Literature

Basic literature

1. Bozarth, Handfield, Introduction to Operations and Supply Chain Management, 5 ed., Pearson, 2019.

Supplementary literature

1. Wprowadzenie do zarządzania operacjami i łańcuchem dostaw, wyd. 5. Onepress, 2021.

11. Information about academic teachers

The person responsible for the card

dr Piotr Staliński (e-mail: pstalinski@uafm.edu.pl)