Andrzej Frycz Modrzewski Krakow University

SUBJECT CARD

1. Basic information

Subject	Operations Management
Faculty	Faculty of Law
Field of study	International Relations
Specialisation	International Business
PQF level	6 PQF
Level of studies	first-cycle studies
Form of studies	full-time studies
Group of activitics	-----
Number of ECTS credits	5
Subject type	specialization
Total numer of hours	30h
Didactic cycle	2024/2025 winter
Academic semester	4
Academic year	2
Education profile	general academic
Year of implementation	2025/2026
Language of instruction	English
Person responsible for the subject	dr Krzysztof Waśniewski (e-mail: kwasniewski@uafm.edu.pl)

Semester, number of ECTS credits, class type, number of hours

Semester	Lecture
4	30h 5 ECTS

2. Subject 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. Prerequisites

Mathematics for Economists.

4. Learning content

W1	Knowledge: to describe what operations managers do and what type of decisions they make.	EUK6_W1
W2	Knowledge: to identify basic types of processes to produce goods and services.	EUK6_W1
W3	Knowledge: to illustrate the application of PERT/CPM techniques to planning projects.	EUK6_W1
W4	Knowledge: to describe basic graphical tools used in process analysis.	EUK6_W1
W5	Knowledge: to explain the role of Simulation is process analysis.	EUK6_W1
W6	Knowledge: to describe how operations managers define and measure capacity.	EUK6_W1
W7	Knowledge: to define quality of manufactured goods and services.	EUK6_W1
W8	Knowledge: to discuss Six Sigma methodology, measures of quality, and statistical tools for controling quality.	EUK6_W1
W9	Knowledge: to discuss basic decision rules for managing inventories.	EUK6_W1
U1	Skills: Explains how performance of Operations Systems can be assessed using various measures of productivity, quality, flexibility, time and costs.	EUK6_U2
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.	EUK6_KS2

5. Curriculum content

Lecture (30 h)

Code	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. Teaching methods

Lecture	
M18	Problem solving
M20	Lecture

7. Student workload

Form of student activity	Student workload
Lecture	**30h**
Including the e-learning method:	**0 h**
Student's own work	
	95h
Total workload	
Total number of hours for the course	**125 h**
Total number of ECTS credits	**5 ECTS**

8. Evaluation criteria

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. Reading materials

Course reading materials

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

Supplementary materials

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

10. Information about academic teachers

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