

Program Overview: 2023-2024
OPERATIONS MANAGEMENT AND LOGISTICS

YEAR 1

Quarter A1

Quarter A2

Quarter B3

Quarter B4

Core + Track Core Courses (35 ECTS)

Specialization Electives (10 ECTS)

Free Electives (15 ECTS)

YEAR 2

1ML05

International Semester and/or Electives

Graduation Project 1.M96

OML Track: Supply Chains 2023-2024
OPERATIONS MANAGEMENT AND LOGISTICS

Quarter A1	Quarter A2	Quarter B3	Quarter B4
Research Methods (E) 1JM110	One out of 2 Implementing and Adapting to AI in Organizations (C1) 1JM50	Data-Driven Artificial Intelligence (C2) 1BM110	Design of Oper. Plan. & Contr. Systems (B2) 1CM140
One out of 2 Retail Operations (C) 1CM40	One out of 2 Modeling and Analysis of Manufacturing Systems (D) 1CM10	One out of 2 Performance Enhancement (E) 1JM11	
	One out of 2 Business Process Management (B1) 1BM05	Multi-Echelon Inventory Management (C1) 1CM100	
	One out of 2 Business Analysis for IT Systems (E2, E3) 1BM20		

Track Specialization Courses (minimum of 10 ects)

All courses listed as possible (track) core courses, but not selected by student

Perspectives on Medical Technology (C) 0LM120	Decision Making in Transport and Logistics (A) 1CM110	Artificial Intelligence for Logistics and its Interfaces (D1) 1CM240	Decision Making with Artificial and Computational Intelligence (C) 1BM120
Engineering Knowledge-Intensive Business Processes (B2, B3) 1BM140	Advanced Maintenance and Service Logistics (A) 1CM120	Behavioral Operations Management (A) 1JM40	Design of AI-Driven Business Operations (B1) 1BM130
Integrated Fin & Operations Mgt (B) 1CM270	Warehouse Operations Management (B2, B3) (2,5 ECTS) 1CM200	System Dynamics (D) 1ZM65	Game Theory (D) 1CM36
Advanced Planning and Scheduling Systems (C) 1CM150	Robust Policies for Operations Management Problems (E1) (2,5 ECTS) 1CM220	Advanced Simulation (B) 2DI66	Sustainable Supply Chains (E) 1CM170
Multivariate Statistics (A) 1ZM31	Managing Team Dyn & Team Perf (C2) 1JM30		Designing Effective Performance (A1) 1JM21

OML Track: Services 2023-2024
OPERATIONS MANAGEMENT AND LOGISTICS

Quarter A1	Quarter A2	Quarter B3	Quarter B4
Research Methods (E) 1JM110	One out of 2 Implementing and Adapting to AI in Organizations (C1) 1JM50	Data-Driven Artificial Intelligence (C2) 1BM110	Design of Service Operations (B2) 1BM100
One out of 2 Engineering Knowledge- Intensive Business Processes (B2, B3) 1BM140	Business Analysis for IT Systems (E2, E3) 1BM20	One out of 2 Performance Enhancement (E) 1JM11	
	One out of 2 Business process management (B1) 1BM05	One out of 3 Multi-Echelon Inventory Management (C1) 1CM100	
	One out of 3 Advanced Maintenance and Service Logistics (A) 1CM120		
	One out of 3 Modeling and Analysis of Manufacturing Systems (D) 1CM10		

Track Specialization Courses (minimum of 10 ects)

All courses listed as possible (track) core courses, but not selected by student

Integrated Fin & Operations Mgt (B) 1CM270	Health Care Operations Management (A1) (2,5 ECTS) 1CM190	Behavioral Operations Management (A) 1JM40	E-Business (A2-A3) 1BM10
Retail Operations (C) 1CM40	Warehouse Operations Management (B2, B3) (2,5 ECTS) 1CM200	System Dynamics (D) 1ZM65	Decision Making with Artificial and Computational Intelligence (C) 1BM120
Multivariate Statistics (A) 1ZM31	Robust Policies for Operations Management Problems (E1) (2,5 ECTS) 1CM220	Advanced Simulation (B) 2DI66	Design of AI-Driven Business Operations (B1) 1BM130
	Managing Team Dyn & Team Perf (C2) 1JM30		Designing Effective Performance (A1) 1JM21
	Service Innovation Management (E1) 1ZM55		

OML Track: Manufacturing and Maintenance 2023-2024
OPERATIONS MANAGEMENT AND LOGISTICS

Quarter A1	Quarter A2	Quarter B3	Quarter B4
Research Methods (E) 1JM110	One out of 2 Implementing and Adapting to AI in Organizations (C1) 1JM50	Data-Driven Artificial Intelligence (C2) 1BM110	Design of Oper Plan & Contr Systems (B2) 1CM140
One out of 4 Manufacturing Technology (D)* 1CM160	One out of 2 Modeling and Analysis of Manufacturing Systems (D)* 1CM10	One out of 2 Performance Enhancement (E) 1JM11	
One out of 2 Engineering Knowledge-Intensive Business Processes (B2, B3) 1BM140	One out of 2 Advanced Maintenance and Service Logistics (A)* 1CM120	One out of 4 Multi-Echelon Inventory Management (C1)* 1CM100	
	One out of 4 Modeling and Analysis of Manufacturing Systems (D)* 1CM10		
	One out of 4 Advanced Maintenance and Service Logistics (A)* 1CM120		
	One out of 2 Business Process Management (B1) 1BM05		

Track Specialization Courses (minimum of 10 ects)

All courses listed as possible (track) core courses, but not selected by student

Integrated Fin & Operations Mgt (B) 1CM270	Business Analysis for IT Systems (E2, E3) 1BM20	Behavioral Operations Management (A) 1JM40	Decision Making with Artificial and Computational Intelligence (C) 1BM120
Advanced Planning and Scheduling Systems (C) 1CM150	Warehouse Operations Management (B2, B3) (2,5 ECTS) 1CM200	Advanced Simulation (B) 2DI66	Design of AI-Driven Business Operations (B1) 1BM130
Multivariate Statistics (A) 1ZM31	Robust Policies for Operations Management Problems (E1) (2,5 ECTS) 1CM220		Game Theory (D) 1CM36
	Managing Team Dyn & Team Perf (C2) 1JM30		Sustainable Supply Chains (E) 1CM170
			Designing Effective Performance (A1) 1JM21

*Choice 1 out of 2 and 1 out of 4 should be different

OML Track: Transport and Mobility 2023-2024
OPERATIONS MANAGEMENT AND LOGISTICS

Quarter A1	Quarter A2	Quarter B3	Quarter B4
Research Methods (E) 1JM110	One out of 2 Implementing and Adapting to AI in Organizations (C1) 1JM50	Data-Driven Artificial Intelligence (C2) 1BM110	Design for Transport and Logistics (B) 1CM130
One out of 2 Large-Scale Optimization in Transportation and Mobility (D) 1CM260	Decision Making in Transport and Logistics (A) 1CM110	One out of 2 Performance Enhancement (E) 1JM11	
	Business Analysis for IT Systems (E2, E3) 1BM20	One out of 2 Artificial Intelligence for Logistics and its Interfaces (D1) 1CM240	

Track Specialization Courses (minimum of 10 ects)

All courses listed as possible (track) core courses, but not selected by student

Integrated Fin & Operations Mgt (B) 1CM270	Business Process Management (B1) 1BM05	Multi-Echelon Inventory Management (C1) 1CM100	Decision Making with Artificial and Computational Intelligence (C) 1BM120
Retail Operations (C) 1CM40	Modeling and Analysis of Manufacturing Systems (D) 1CM10	Behavioral Operations Management (A) 1JM40	Design of AI-Driven Business Operations (B1) 1BM130
Multivariate Statistics (A) 1ZM31	Warehouse Operations Management (B2, B3) (2,5 ECTS) 1CM200	Advanced Simulation (B) 2DI66	Game Theory (D) 1CM36
	Robust Policies for Operations Management Problems (E1) (2,5 ECTS) 1CM220		Sustainable Supply Chains (E) 1CM170
			Designing Effective Performance (A1) 1JM21