

Master Programme in Artificial Intelligence (from 2026 September)

Compulsory subjects													
Code	Subject	Lecture (L)	Practice (Pr)	Labor	Consultation	Requirement	Credit	Semester	Subject requirement	1st Semester	2nd Semester	3rd Semester	4th Semester
IPM-26MIRMEG	Research methodology L+Pr.	1	2	0	2	XPG	5	1		1+2+0+2			
IPM-26MIiDNDEG	Deep Network Developments	2	0	2	2	XE	6	1		2+0+2+2			
IPM-26MIiPAIEG	Principles of artificial intelligence	2	0	2	2	XE	6	1		2+0+2+2			
IPM-26MITAMEG	Topics in Applied Mathematics	2	2	0	1	PG	5	1		2+2+0+1			
IPM-26MICIEG	Computational Intelligence	2	0	2	2	XPG	6	2			2+0+2+2		
IPM-26MIAMLEG	Advanced Deep Network Development	2	0	2	2	XE	6	2	IPM-26MIiDNDEG		2+0+2+2		
IPM-26MIiDRLEG	Deep Reinforcement Learning	2	0	2	2	XCA	6	3	IPM-26MIiDNDEG			2+0+2+2	
IPM-26MIPRG	Internship						0	4					240 hours
	Compulsory credits						40			22	12	6	
	Compulsory elective credits						44			8	18	24	
IPM-26MIERASMUS	Erasmus mobility						max 24 credits	3				max 24 credits	
	Elective subjects						6	2,3			5+0+0	1+0+0	
IPM-26MITCONS	Thesis consultation				10	PG	30	4					signature
	Summa credit in semester									30	30	30	30
	Summa credit						120						

Compulsory elective subjects

Code	Subject	Lecture (L)	Practice (Pr)	Labor	Consultation	Requirement	Credit	Semester	Subject requirement	1st Semester	2nd Semester	3rd Semester	4th Semester
IPM-26MIIDSEG	Introduction to Data Science	2	0	2	2	XE	6	1		2+0+2+2			
IPM-26MIPREPG	Preparation course for master studies and developing learning skills	0	3	0	0	PG	2	1		0+3+0+0			
IPM-26MIMTAAEG	Methods and tools for AI applications	2	0	2	2	XE	6	1		2+0+2+2			
IPM-26MISLKME	Statistical learning theory and kernel methods	2	0	0	0	E	2	1		2+0+0+0			
IPM-26MINMOEG	Numerical Methods for Optimization	2	2	0	2	XPG	6	1		2+2+0+2			
IPM-26MICVEG	3D Computer Vision	2	0	2	2	XE	6	1,3		2+0+2+2		2+0+2+2	
IPM-26MILEAE	Legal and ethical aspects of DS and AI	2	0	0	2	E	4	1,3		2+0+0+2		2+0+0+2	
IPM-26MIGTEG	Game theory	2	2	0	2	XCA	6	2			2+2+0+2		
IPM-26MIMLEG	Machine Learning	2	0	2	2	XE	6	2	IPM-26MIIDSEG		2+0+2+2		
IPM-26MIMASEG	Multi-agent systems	2	0	2	2	XE	6	2			2+0+2+2		
IPM-26MILPEG	Logic programming.	2	0	2	2	XPG	6	2			2+0+2+2		
IPM-26MICOSCEG	Cognitive Science	2	2	0	2	XE	6	2			2+2+0+2		
IPM-26MifASTE	Advanced Software Technology	2	0	0	2	E	4	2			2+0+0+2		
IPM-26MIACEG	Affective computing	2	0	2	2	XE	6	2	IPM-26MIiDNDEG		2+0+2+2		
IPM-26MIEIEG	Embodied Intelligence	2	0	2	2	XPG	6	2,3			2+0+2+2	2+0+2+2	
IPM-26MINMLSE	New results in machine learning seminar	2	0	0	0	PG	2	2,3			2+0+0+0	2+0+0+0	
IPM-26MI3DCPAEG	3D point cloud processing and analysis	2	2	0	2	XE	6	2,3			2+2+0+2	2+2+0+2	
IPM-26MIAIPLAB1	AI Project Lab I.	0	0	2	2	PG	4	3				0+0+2+2	
IPM-26MIAIPLAB2	AI Project Lab II.	0	0	4	2	PG	6	3				0+0+4+2	
IPM-26MIROBEG	AI Robotics	2	0	2	2	XE	6	3	IPM-26MIiDNDEG			2+0+2+2	
IPM-26MICOLLIEG	Collective Intelligence	2	0	2	2	PG	6	3				2+0+2+2	
IPM-26MINLPFMEG	Natural Language Processing and Language-based Foundation Models	4	0	4	4	XE	12	1,2,3	IPM-26MIiDNDEG	4+0+4+4	4+0+4+4	4+0+4+4	

IPM-26MIGNNEG	Graph Neural Networks	2	0	2	2	XE	6	1,2,3		2+0+2+2	2+0+2+2	2+0+2+2	
IPM-26MiLPENG	I Learn with Prompt Engineering	0	2	0	0	XE	2	1,2,3		0+2+0+0	0+2+0+0	0+2+0+0	
IPM-26MICLEG	Computational linguistics	2	0	2	2	PG	6	1,2,3		2+0+2+2	2+0+2+2	2+0+2+2	

PG: Practice Grade E: Exam Grade XPG: Lecture+Practice with Practical Grade XE: Lecture+Practice with Exam XCA: Practice with continuous assessment