

TIMETABLE: FIRST SEMESTER, A.Y. 2024/2025	MSC IN MATHEMATICAL MODELLING – FIRST YEAR
23 SEPTEMBER 2024 / 12 JANUARY 2025	ERASMUS MUNDUS “INTERMATHS” JOINT MSC “MATHMODS”
COURSES	
Applied Partial Differential Equations (C. Lattanzio - MS Teams code: nln147)	Real and Functional Analysis (M. Palladino - MS Teams code:)
Control Systems (A. Borri - MS Teams code: ynh00ry)	Mathematical Modelling of Continuum Media (D. Donatelli - MS Teams code: xg462n5)
Dynamical Systems and Bifurcation Theory (B. Rubino - MS Teams code: q2mhokt)	Italian Language for Foreigners (level A1) (R. Antonetti - MS Teams code: zf6kq6j)

*THE COURSE “MATHEMATICAL MODELLING OF CONTINUUM MEDIA” WILL BE COMPLETED BY THE END OF OCTOBER. AFTERWARDS, THE COURSE “REAL AND FUNCTIONAL ANALYSIS” BEGINS.

TIME ⌚	MONDAY	Classroom	TUESDAY	Classroom	WEDNESDAY	Classroom	THURSDAY	Classroom	FRIDAY	Classroom
08:30-09:30	Mathematical Modelling of Continuum Media*	A.1.7 Ricamo	Real and Functional Analysis* / Mathematical Modelling of Continuum Media*	A.1.7 Ricamo	Applied PDEs	A.1.7 Ricamo	Control Systems	A.1.7 Ricamo	Control Systems	A.1.7 Ricamo
09:30-10:30	Mathematical Modelling of Continuum Media*	A.1.7 Ricamo	Real and Functional Analysis* / Mathematical Modelling of Continuum Media*	A.1.7 Ricamo	Applied PDEs	A.1.7 Ricamo	Control Systems	A.1.7 Ricamo	Control Systems	A.1.7 Ricamo
10:30-11:30			Real and Functional Analysis* / Mathematical Modelling of Continuum Media*	A.1.7 Ricamo	Mathematical Modelling of Continuum Media*	A.1.7 Ricamo	Control Systems	A.1.7 Ricamo	Control Systems	A.1.7 Ricamo
11:30-12:30	Applied PDEs	A.1.7 Ricamo	Applied PDEs	A.1.7 Ricamo	Real and Functional Analysis* / Mathematical Modelling of Continuum Media*	A.1.7 Ricamo	Real and Functional Analysis*	A.1.7 Ricamo		
12:30-13:30	Applied PDEs	A.1.7 Ricamo	Applied PDEs	A.1.7 Ricamo	Real and Functional Analysis* / Mathematical Modelling of Continuum Media*	A.1.7 Ricamo	Real and Functional Analysis*	A.1.7 Ricamo		
14:30-15:30	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo				
15:30-16:30	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo				
16:30-17:30	Real and Functional Analysis*	A.1.7 Ricamo	Italian Language for Foreigners A1	A.1.7 Ricamo	Italian Language for Foreigners A1	A.1.7 Ricamo				
17:30-18:30	Real and Functional Analysis*	A.1.7 Ricamo	Italian Language for Foreigners A1	A.1.7 Ricamo	Italian Language for Foreigners A1	A.1.7 Ricamo				

TIMETABLE: FIRST SEMESTER, A.Y. 2024/2025	MSC IN MATHEMATICAL ENGINEERING – FIRST YEAR
23 SEPTEMBER 2024 / 12 JANUARY 2025	REALMATHS DOUBLE MSC INTERNATIONAL STUDENTS PARTNER STUDENTS FROM KNUST, GHANA
COURSES	
Applied Partial Differential Equations (D. Amadori - MS Teams code: b11n64j)	Introductory Real Analysis (R. Sampalmieri, A. Esposito - MS Teams code: 174ecq7)
Control Systems (M. Di Ferdinando - MS Teams code: 1p5xqv)	Italian Language for Foreigners (level A1) (R. Antonetti - MS Teams code: bew8yqh)
Dynamical Systems and Bifurcation Theory (M. Palladino - MS Teams code:)	

TIME 🕒	MONDAY	Classroom	TUESDAY	Classroom	WEDNESDAY	Classroom	THURSDAY	Classroom	FRIDAY	Classroom
08:30-09:30			Introductory Real Analysis	A1.6 Turing	Applied PDEs	1.8 Ricamo	Control Systems	1.8 Ricamo	Introductory Real Analysis	1.8 Ricamo
09:30-10:30			Introductory Real Analysis	A1.6 Turing	Applied PDEs	1.8 Ricamo	Control Systems	1.8 Ricamo	Introductory Real Analysis	1.8 Ricamo
10:30-11:30	Control Systems	A.2.5 Ricamo	Introductory Real Analysis	A1.6 Turing	Introductory Real Analysis	1.8 Ricamo	Control Systems	1.8 Ricamo	Introductory Real Analysis	1.8 Ricamo
11:30-12:30	Control Systems	A.2.5 Ricamo	Dynamical Systems and Bifurcation Theory	A1.6 Turing	Introductory Real Analysis	1.8 Ricamo	Applied PDEs	1.8 Ricamo		
12:30-13:30	Control Systems	A.2.5 Ricamo	Dynamical Systems and Bifurcation Theory	A1.6 Turing	Introductory Real Analysis	1.8 Ricamo	Applied PDEs	1.8 Ricamo		
14:30-15:30	Dynamical Systems and Bifurcation Theory	A.2.5 Ricamo	Italian Language for Foreigners A1	A1.6 Turing	Italian Language for Foreigners A1	1.8 Ricamo				
15:30-16:30	Dynamical Systems and Bifurcation Theory	A.2.5 Ricamo	Italian Language for Foreigners A1	A1.6 Turing	Italian Language for Foreigners A1	1.8 Ricamo				
16:30-17:30			Applied PDEs	A1.6 Turing	Dynamical Systems and Bifurcation Theory	1.8 Ricamo				
17:30-18:30			Applied PDEs	A1.6 Turing	Dynamical Systems and Bifurcation Theory	1.8 Ricamo				

TIMETABLE: FIRST SEMESTER, A.Y. 2023/2024	MSC IN MATHEMATICAL ENGINEERING – FIRST YEAR
23 SEPTEMBER 2024/12 JANUARY 2025	LOCAL CURRICULUM: “Scientific computing and Applications”
COURSES	
Advanced Analysis (C. Lattanzio, M. Di Francesco - MS Teams code: 9y74e0w)	Introduction to Mathematical Control Theory (C. Pignotti - MS Teams code: m3yg10t)
Control Systems (A. Borri - MS Teams code: ynh00ry)	Modelling and Analysis of Fluids and Biofluids (D. Donatelli - MS Teams code: xg462n5)
Dynamical Systems and Bifurcation Theory (B. Rubino - MS Teams code: q2mhokt)	Advanced English Listening and Speaking (M. Fiorenza - MS Teams code: 2xk09d9)
Numerical Methods for Stochastic Modelling (R. D’Ambrosio - MS Teams code: xuz3dky)	Stochastic numerics laboratory (S. Di Giovacchino - MS Teams code: oilji20)

* The course “Mathematical Modelling of Continuum Media” corresponds to the first 3 ECTS of the course “Modelling and Analysis of Fluids and Biofluids”.

** The course “Stochastic numerics laboratory” (S. Di Giovacchino) follows the same schedule as the course “Numerical methods for stochastic modelling”; the latter course starts on 4 November.

***The course “Introduction to Mathematical Control Theory” starts on the 2nd of October.

TIME ①	MONDAY	Classroom	TUESDAY	Classroom	WEDNESDAY	Classroom	THURSDAY	Classroom	FRIDAY	Classroom
08:30-09:30	Modelling and Analysis of Fluids and Biofluids *	A.1.7 Ricamo	Modelling and Analysis of Fluids and Biofluids *	A.1.7 Ricamo	Introduction to Mathematical Control Theory***	Lab Math Mod Ricamo	Control Systems	A.1.7 Ricamo	Control Systems	A.1.7 Ricamo
09:30-10:30	Modelling and Analysis of Fluids and Biofluids	A.1.7 Ricamo	Modelling and Analysis of Fluids and Biofluids	A.1.7 Ricamo	Introduction to Mathematical Control Theory***	Lab Math Mod Ricamo	Control Systems	A.1.7 Ricamo	Control Systems	A.1.7 Ricamo
10:30-11:30	Numerical Methods for Stochastic Modelling**	Lab. Math. Mod. Ricamo	Modelling and Analysis of Fluids and Biofluids	A.1.7 Ricamo	Introduction to Mathematical Control Theory*** / Modelling and Analysis of Fluids and Biofluids	Lab Math Mod Ricamo A.1.7 Ricamo	Control Systems	A.1.7 Ricamo	Control Systems	A.1.7 Ricamo
11:30-12:30	Numerical Methods for Stochastic Modelling**	Lab. Math. Mod. Ricamo			Modelling and Analysis of Fluids and Biofluids	A.1.7 Ricamo	Advanced Analysis	C1.16 De Meis	Numerical Methods for Stochastic Modelling**	A.0.6 Ricamo
12:30-13:30	Numerical Methods for Stochastic Modelling**	Lab. Math. Mod. Ricamo			Modelling and Analysis of Fluids and Biofluids	A.1.7 Ricamo	Advanced Analysis	C1.16 De Meis	Numerical Methods for Stochastic Modelling**	A.0.6 Ricamo
14:30-15:30	Advanced Analysis / Dynamical Systems and Bifurcation Theory	A1.1 Turing 1.7	Advanced Analysis / Dynamical Systems and Bifurcation Theory	C1.16 De Meis/ 1.7 Ricamo	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo				
15:30-16:30	Advanced Analysis / Dynamical Systems and Bifurcation Theory	A1.1 Turing 1.7	Advanced Analysis / Dynamical Systems and Bifurcation Theory	C1.16 De Meis/ 1.7 Ricamo	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo				
16:30-17:30	Advanced Analysis	A1.1 Turing	Advanced English Listening and Speaking	A.0.6 Ricamo						
17:30-18:30			Advanced English Listening and Speaking	A.0.6 Ricamo						
18:30-19:30			Advanced English Listening and Speaking	A.0.6 Ricamo						

TIMETABLE: FIRST SEMESTER, A.Y. 2024/2025	MSC IN MATHEMATICAL ENGINEERING – FIRST YEAR
23 SEPTEMBER 2024 / 12 JANUARY 2025	REALMATHS DOUBLE MSC PARTNER STUDENTS FROM: KHNU - KHARKIV (“APPLIED MATHEMATICS ”), LPNU - LVIV (“APPLIED MATHEMATICS ”), ONU - ODESA, UZHNU - UZHHOROD (“APPLIED MATHEMATICS ”)
COURSES	
Real and functional analysis: (M. Palladino - MS Teams code:)	Control systems: (A. Borri - MS Teams code: ynh00ry)
Dynamical systems and bifurcation theory: (B. Rubino - MS Teams code: q2mhokt)	Introduction to mathematical control theory: (C. Pignotti – MS Teams Code: m3yg10t)
Italian language for foreigners (level A1): (R. Antonietti - MS Teams code: bew8yqh)	Numerical Methods for Stochastic Modelling (R. D’Ambrosio - MS Teams code: xuz3dky)
Stochastic numerics laboratory (S. Di Giovacchino - MS Teams code: oilji20)	

* THE COURSE “REAL AND FUNCTIONAL ANALYSIS” STARTS AT THE END OF OCTOBER

** The course “Stochastic numerics laboratory” (S. Di Giovacchino) follows the same schedule as the course “Numerical methods for stochastic modelling”; the latter course starts on November 4, 2024.

***The course “Introduction to Mathematical Control Theory” starts on October 2, 2024.

TIME ⌚	MONDAY	Classroom	TUESDAY	Classroom	WEDNESDAY	Classroom	THURSDAY	Classroom	FRIDAY	Classroom
08:30-09:30			Real and Functional Analysis*	A.1.7 Ricamo	Introduction to Mathematical Control Theory***	Lab Math Mod Ricamo	Control Systems	A.1.7 Ricamo	Control Systems	A.1.7 Ricamo
09:30-10:30			Real and Functional Analysis*	A.1.7 Ricamo	Introduction to Mathematical Control Theory***	Lab Math Mod Ricamo	Control Systems	A.1.7 Ricamo	Control Systems	A.1.7 Ricamo
10:30-11:30	Numerical Methods for Stochastic Modelling**	Lab. Math Mod Ricamo	Real and Functional Analysis*	A.1.7 Ricamo	Introduction to Mathematical Control Theory***	Lab Math Mod Ricamo	Control Systems	A.1.7 Ricamo	Control Systems	A.1.7 Ricamo
11:30-12:30	Numerical Methods for Stochastic Modelling**	Lab. Math Mod Ricamo			Real and Functional Analysis*	A.1.7 Ricamo	Real and Functional Analysis*	A.1.7 Ricamo	Numerical Methods for Stochastic Modelling**	A.0.6 Ricamo
12:30-13:30	Numerical Methods for Stochastic Modelling**	Lab. Math Mod Ricamo			Real and Functional Analysis*	A.1.7 Ricamo	Real and Functional Analysis*	A.1.7 Ricamo	Numerical Methods for Stochastic Modelling**	A.0.6 Ricamo
14:30-15:30	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo				
15:30-16:30	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo				
16:30-17:30	Real and Functional Analysis*	A.1.7 Ricamo	Italian Language for Foreigners A1	A.1.7 Ricamo	Italian Language for Foreigners A1	A.1.7 Ricamo				
17:30-18:30	Real and Functional Analysis*	A.1.7 Ricamo	Italian Language for Foreigners A1	A.1.7 Ricamo	Italian Language for Foreigners A1	A.1.7 Ricamo				

TIMETABLE: FIRST SEMESTER, A.Y. 2024/2025	MSC IN MATHEMATICAL ENGINEERING – FIRST YEAR
23 SEPTEMBER 2024 / 12 JANUARY 2025	REALMATHS DOUBLE MSC PARTNER STUDENTS FROM: UZHNU - UZHHOROD (“SYSTEMS ANALYSIS”)
COURSES	
Modelling and control of networked distributed systems: (G. Pola - MS Teams code: 42xf81p)	Optimisation in signal processing and wavelets: (V. Protasov - MS Teams code: nnc1kix)
Optimisation models and algorithms: (C. Arbib - MS Teams code:)	Process and operations scheduling: (S. Smriglio - MS Teams code: bsu7sm5)
Italian language for foreigners (level A1) (R. Antonietti - MS Teams code: bew8yqh)	Introduction to mathematical control theory (3 CFU): (C. Pignotti - MS Teams code: m3yg10t)

* On Wednesday, the course “Optimisation Models and Algorithms” starts at 10:00 am. On Friday it starts at 11:00 am.

***The course “Introduction to Mathematical Control Theory” starts on the 2nd of October.

TIME ☹	MONDAY	Classroom	TUESDAY	Classroom	WEDNESDAY	Classroom	THURSDAY	Classroom	FRIDAY	Classroom
08:30-09:30			Modelling and control of networked distributed systems	HPC Ricamo	Introduction to Mathematical Control Theory***	Lab Math Mod Ricamo				
09:30-10:30			Modelling and control of networked distributed systems	HPC Ricamo	Introduction to Mathematical Control Theory*** / Optimisation Model Alg*	Lab Math Mod Ricamo / A1.5 Turing				
10:30-11:30	Process and Operation Scheduling	HPC Ricamo	Modelling and control of networked distributed systems	HPC Ricamo	Introduction to Mathematical Control Theory *** / Optimisation Model Alg.*	Lab Math Mod Ricamo /A1.5 Turing			Optimisation Models and Algorithms*	A1.3 Turing
11:30-12:30	Process and Operations Scheduling	HPC Ricamo	Process and Operation Scheduling	HPC Ricamo					Optimisation Models and Algorithms*	A1.3 Turing
12:30-13:30	Process and Operations Scheduling	HPC Ricamo	Process and Operation Scheduling	HPC Ricamo					Optimisation Models and Algorithms*	A1.3 Turing
14:30-15:30					Optimisation in signal processing and wavelets	A0.6 Turing			Modelling and control of networked distributed systems	A0.4 Turing
15:30-16:30					Optimisation in signal processing and wavelets	A0.6 Turing			Modelling and control of networked distributed systems	A0.4 Turing
16:30-17:30			Italian Language for Foreigners A1	A.1.7 Ricamo	Italian Language for Foreigners A1	A.1.7 Ricamo			Optimisation in signal processing and wavelets	1.1 Ricamo
17:30–18:30			Italian Language for Foreigners A1	A.1.7 Ricamo	Italian Language for Foreigners A1	A.1.7 Ricamo			Optimisation in signal processing and wavelets	1.1 Ricamo
18:30 – 19:30									Optimisation in signal processing and wavelets	1.1 Ricamo

TIMETABLE: FIRST SEMESTER, A.Y. 2024/2025	MSC IN MATHEMATICAL MODELLING – SECOND YEAR
23 SEPTEMBER 2024 / 12 JANUARY 2025	ERASMUS MUNDUS INTERMATHS STUDY TRACK “Cancer Modelling and Simulation”
COURSES	
Advanced Analysis (C. Lattanzio, M. Di Francesco - MS Teams code: 9y74e0w)	Cancer genetics and biology for mathematical modelling (A. Tessitore, D. Capece - MS Teams code: 73syse2)
Biomathematics (S. Fagioli, A. Esposito - MS Teams code: hds8xtu)	Mathematical fluid and biofluid dynamics (D. Donatelli - MS Teams code: xg462n5)
Systems Biology (A. Borri - MS Teams code: 8i9zk0)	Italian Language for Foreigners (level A2) (E. Mililli - MS Teams code: r6by4kl)

TIME ⌚	MONDAY	Classroom	TUESDAY	Classroom	WEDNESDAY	Classroom	THURSDAY	Classroom	FRIDAY	Classroom
08:30-09:30	Mathematical fluid and biofluid dynamics	A.1.7 Ricamo	Mathematical fluid and biofluid dynamics	A.1.7 Ricamo			Biomathematics	HPC Ricamo	Cancer genetics and biology	Lab Math Mod
09:30-10:30	Mathematical fluid and biofluid dynamics	A.1.7 Ricamo	Mathematical fluid and biofluid dynamics	A.1.7 Ricamo			Biomathematics	HPC Ricamo	Cancer genetics and biology	Lab Math Mod
10:30-11:30			Mathematical fluid and biofluid dynamics	A.1.7 Ricamo	Mathematical fluid and biofluid dynamics	A.1.7 Ricamo	Biomathematics	HPC Ricamo	Cancer genetics and biology	Lab Math Mod
11:30-12:30			Cancer genetics and biology	Lab Math Mod Ricamo	Mathematical fluid and biofluid dynamics	A.1.7 Ricamo	Advanced Analysis	C1.16 De Meis	Biomathematics	A.1.1 Ricamo
12:30-13:30			Cancer genetics and biology	Lab Math Mod Ricamo	Mathematical fluid and biofluid dynamics	A.1.7 Ricamo	Advanced Analysis	C1.16 De Meis	Biomathematics	A.1.1 Ricamo
14:30-15:30	Advanced Analysis	A1.1 Turing	Advanced Analysis	C1.16 De Meis			Italian Language for Foreigners A2	HPC Ricamo	Systems Biology	A1.3 Turing
15:30-16:30	Advanced Analysis	A1.1 Turing	Advanced Analysis	C1.16 De Meis			Italian Language for Foreigners A2	HPC Ricamo	Systems Biology	A1.3 Turing
16:30-17:30	Advanced Analysis	A1.1 Turing			Italian Language for Foreigners A2	Digital Class	Systems Biology	HPC Ricamo	Systems Biology	A1.3 Turing
17:30-18:30					Italian Language for Foreigners A2	Digital Class	Systems Biology	HPC Ricamo		

TIMETABLE: FIRST SEMESTER, A.Y. 2024/2025	MSC IN MATHEMATICAL MODELLING – SECOND YEAR
23 SEPTEMBER 2024 / 12 JANUARY 2025	ERASMUS MUNDUS INTERMATHS STUDY TRACK “MODELLING AND SIMULATION OF INFECTIOUS DISEASES”
COURSES	
Advanced Analysis: (C. Lattanzio, M. Di Francesco - MS Teams code: 9y74e0w)	Time series and prediction: (U. Triacca - MS Teams code: 45ej77e)
Deterministic modelling in population dynamics and epidemiology: (M. Di Francesco, A. Esposito - MS Teams code: a0raq0s)	Computational methods in epidemiology: (C. Scalone - MS Teams code: s78125n)
Modelling and control of networked distributed systems: (G. Pola - MS Teams code: 42xf81p)	Italian Language for Foreigners (level A2) (E. Mililli - MS Teams code: r6by4kl)

*On Friday, the course “Computational methods in epidemiology” starts at 8:30 am sharp and ends at 11:00 am.

** On Tuesday, the course “Modelling and control of distributed systems starts at 8:30 am sharp and ends at 11:00 am.

*** On Tuesday, the course “Time Series and Prediction” starts at 11:00 am.

TIME ①	MONDAY	Classroom	TUESDAY	Classroom	WEDNESDAY	Classroom	THURSDAY	Classroom	FRIDAY	Classroom
08:30-09:30	Computational methods in epidemiology	Lab. Math. Mod. Ricamo	Modelling and control of networked distributed systems**	HPC Ricamo			Deterministic modelling in population dynamics and epidemiology	Lab Math Mod	Computational methods in epidemiology*	A1.3 Turing
09:30-10:30	Computational methods in epidemiology	Lab. Math. Mod. Ricamo	Modelling and control of networked distributed systems**	HPC Ricamo			Deterministic modelling in population dynamics and epidemiology	Lab Math Mod	Computational methods in epidemiology*	A1.3 Turing
10:30-11:30			Time series and prediction***/ Modelling and control of networked distributed systems**	A1.1 Turing / HPC Ricamo			Deterministic modelling in population dynamics and epidemiology	Lab Math Mod	Computational methods in epidemiology*	A1.3 Turing
11:30-12:30			Time series and prediction***	A1.1 Turing			Advanced Analysis	C1.16 De Meis		
12:30-13:30			Time series and prediction***	A1.1 Turing			Advanced Analysis	C1.16 De Meis		
14:30-15:30	Advanced Analysis	A1.1 Turing	Advanced Analysis	C1.16 De Meis	Deterministic modelling in population dynamics and epidemiology	HPC Ricamo	Italian Language for Foreigners A2	HPC Ricamo	Modelling and control of networked distributed systems	A0.4 Turing
15:30-16:30	Advanced Analysis	A1.1 Turing	Advanced Analysis	C1.16 De Meis	Deterministic modelling in population dynamics and epidemiology	HPC Ricamo	Italian Language for Foreigners A2	HPC Ricamo	Modelling and control of networked distributed systems	A0.4 Turing
16:30-17:30	Advanced Analysis	A1.1 Turing			Italian Language for Foreigners A2	Digital Class				
17:30-18:30	Time series and prediction	A1.5 Turing			Italian Language for Foreigners A2	Digital Class				
18:30-19:30	Time series and prediction	A1.5 Turing								

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23 SEPTEMBER 2024 / 12 JANUARY 2025	MATHMODS STUDY TRACK “Mathematical modelling and optimisation”
COURSES	
Advanced Analysis (C. Lattanzio, M. Di Francesco - MS Teams code: 9y74e0w)	Modelling and Control of Networked Distributed Systems , (G. Pola - MS Teams code: 42xf81p)
Process and Operations Scheduling : (S. Smriglio – MS Teams code: bsu7sm5)	Optimisation Models and Algorithms , (C. Arbib – MS Teams code:)
Optimisation in Signal Processing And Wavelets , (V. Protasov – MS Teams code: nnc1kix)	Italian Language for Foreigners (level A2) (E. Mililli - MS Teams code: r6by4kl)

* On Wednesday, the course “Optimisation Models and Algorithms” starts at 10:00 am. On Friday it starts at 11:00am.

** On Tuesday, the course “Modelling and control of distributed systems starts at 8:30am sharp and ends at 11:00 am

TIME ⌚	MONDAY	Classroom	TUESDAY	Classroom	WEDNESDAY	Classroom	THURSDAY	Classroom	FRIDAY	Classroom
08:30-09:30			Modelling and control of networked distributed systems**	HPC Ricamo						
09:30-10:30			Modelling and control of networked distributed systems**	HPC Ricamo	Optimisation Models and Algorithms*	A1.5 Turing				
10:30-11:30	Process and Operations Scheduling	HPC Ricamo	Modelling and control of networked distributed systems**	HPC Ricamo	Optimisation Models and Algorithms*	A1.5 Turing			Optimisation Models and Algorithms*	A1.3 Turing
11:30-12:30	Process and Operations Scheduling	HPC Ricamo	Process and Operations Scheduling	HPC Ricamo			Advanced Analysis	C1.16 De Meis	Optimisation Models and Algorithms*	A1.3 Turing
12:30-13:30	Process and Operations Scheduling	HPC Ricamo	Process and Operations Scheduling	HPC Ricamo			Advanced Analysis	C1.16 De Meis	Optimisation Models and Algorithms*	A1.3 Turing
14:30-15:30	Advanced Analysis	A1.1 Turing	Advanced Analysis	C1.16 De Meis	Optimisation in signal processing and wavelets	A0.6 Turing	Italian Language for Foreigners A2	HPC Ricamo	Modelling and control of networked distributed systems	A0.4 Turing
15:30-16:30	Advanced Analysis	A1.1 Turing	Advanced Analysis	C1.16 De Meis	Optimisation in signal processing and wavelets	A0.6 Turing	Italian Language for Foreigners A2	HPC Ricamo	Modelling and control of networked distributed systems	A0.4 Turing
16:30-17:30	Advanced Analysis	A1.1 Turing			Italian Language for Foreigners A2	Digital Class			Optimisation in signal processing and wavelets	A.1.1 Ricamo
17:30–18:30					Italian Language for Foreigners A2	Digital Class			Optimisation in signal processing and wavelets	A.1.1 Ricamo
18:30 – 19:30									Optimisation in signal processing and wavelets	A.1.1 Ricamo

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23 SEPTEMBER 2024 / 12 JANUARY 2025	MATHMODS STUDY TRACK “Mathematical models in social sciences”
COURSES	
Mathematical Modelling and HPC Simulation of Natural Disasters , (D. Pera – MS Teams code: wzg7ekv)	Advanced Analysis (6CFU) , (C. Lattanzio, M. Di Francesco – MS Teams code: 9y74e0w)
Artificial Intelligence and Machine Learning for Natural Hazards Risk Assessment , (F. Di Michele – MS Teams code:)	Machine Learning for Smart Cities and Automation , (A. D’Innocenzo – MS Teams code:)
Mathematical Models for Collective Behaviour , (D. Amadori, S. Fagioli – MS Teams code: x9r5sa0)	Italian Language for Foreigners (level A2) (E. Mililli - MS Teams code: r6by4kl)

TIME 🕒	MONDAY	Classroom	TUESDAY	Classroom	WEDNESDAY	Classroom	THURSDAY	Classroom	FRIDAY	Classroom
08:30-09:30	Artificial Intelligence and Machine Learning for Natural Hazards Risk Assessment	A.1.1 Ricamo			Mathematical Modelling and HPC Simulation of Natural Disasters	HPC Ricamo			Artificial Intelligence and Machine Learning for Natural Hazards Risk Assessment	HPC Ricamo
09:30-10:30	Artificial Intelligence and Machine Learning for Natural Hazards Risk Assessment	A.1.1 Ricamo			Mathematical Modelling and HPC Simulation of Natural Disasters	HPC Ricamo			Artificial Intelligence and Machine Learning for Natural Hazards Risk Assessment	HPC Ricamo
10:30-11:30	Mathematical Models for Collective Behavior	A1.4 Turing							Artificial Intelligence and Machine Learning for Natural Hazards Risk Assessment	HPC Ricamo
11:30-12:30	Mathematical Models for Collective Behavior	A1.4 Turing					Advanced Analysis	C1.16 De Meis		
12:30-13:30	Mathematical Models for Collective Behavior	A1.4 Turing					Advanced Analysis	C1.16 De Meis		
14:30-15:30	Advanced Analysis	A1.1 Turing	Advanced Analysis	C1.16 De Meis	Mathematical Models for Collective Behavior	A1.2 Turing	Italian Language for Foreigners A2	HPC Ricamo	Mathematical Modelling and HPC Simulation of Natural Disasters	HPC Ricamo
15:30-16:30	Advanced Analysis	A1.1 Turing	Advanced Analysis	C1.16 De Meis	Mathematical Models for Collective Behavior	A1.2 Turing	Italian Language for Foreigners A2	HPC Ricamo	Mathematical Modeling and HPC Simulation of Natural Disasters	HPC Ricamo
16:30-17:30	Advanced Analysis	A1.1 Turing	Machine Learning for Smart Cities Automation	A0.4 Turing	Italian Language for Foreigners A2	Digital Class	Machine Learning for Smart Cities Automation	A1.1 Turing	Mathematical Modelling and HPC Simulation of Natural Disasters	HPC Ricamo
17:30-18:30			Machine Learning for Smart Cities Automation	A0.4 Turing	Italian Language for Foreigners A2	Digital Class	Machine Learning for Smart Cities Automation	A1.1 Turing		
18:30-19:30			Machine Learning for Smart Cities Automation	A0.4 Turing			Machine Learning for Smart Cities Automation	A1.1 Turing		

TIMETABLE: FIRST SEMESTER, A.Y. 2024/2025	MSC IN MATHEMATICAL ENGINEERING – SECOND YEAR
23 SEPTEMBER 2024 / 12 JANUARY 2025	REALMATHS DOUBLE MSC PARTNER STUDENTS FROM: TSNUK – KYIV (“APPLIED MATHEMATICS”)
COURSES	
Real and Functional Analysis (M. Palladino - MS Teams code:)	Mathematical Modelling and HPC Simulation of Natural Disasters (D. Pera - MS Teams code: wzg7ekv)
Dynamical Systems and Bifurcation Theory (B. Rubino - MS Teams code: q2mhokt)	Machine Learning for Smart Cities and Automation , (A. D’Innocenzo – MS Teams code:)
Artificial Intelligence and Machine Learning for Natural Hazards Risk Assessment (F. Di Michele - MS Teams code:)	Italian Language for Foreigners (level A2) (E. Mililli - MS Teams code: r6by4kl)

*THE COURSE “REAL AND FUNCTIONAL ANALYSIS” STARTS AT THE END OF OCTOBER

TIME ①	MONDAY	Classroom	TUESDAY	Classroom	WEDNESDAY	Classroom	THURSDAY	Classroom	FRIDAY	Classroom
08:30-09:30	Artificial Intelligence and Machine Learning for Natural Hazards Risk Assessment	A.1.1 Ricamo	Real and Functional Analysis*	A.1.7 Ricamo	Mathematical Modelling and HPC Simulation of Natural Disasters	HPC Ricamo			Artificial Intelligence and Machine Learning for Natural Hazards Risk Assessment	HPC Ricamo
09:30-10:30	Artificial Intelligence and Machine Learning for Natural Hazards Risk Assessment	A.1.1 Ricamo	Real and Functional Analysis*	A.1.7 Ricamo	Mathematical Modelling and HPC Simulation of Natural Disasters	HPC Ricamo			Artificial Intelligence and Machine Learning for Natural Hazards Risk Assessment	HPC Ricamo
10:30-11:30			Real and Functional Analysis*	A.1.7 Ricamo					Artificial Intelligence and Machine Learning for Natural Hazards Risk Assessment	HPC Ricamo
11:30-12:30					Real and Functional Analysis*	A.1.7 Ricamo	Real and Functional Analysis*	A.1.7 Ricamo		
12:30-13:30					Real and Functional Analysis*	A.1.7 Ricamo	Real and Functional Analysis*	A.1.7 Ricamo		
14:30-15:30	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo	Italian Language for Foreigners A2	HPC Ricamo	Mathematical Modelling and HPC Simulation of Natural Disasters	HPC Ricamo
15:30-16:30	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo	Dynamical Systems and Bifurcation Theory	A.1.7 Ricamo	Italian Language for Foreigners A2	HPC Ricamo	Mathematical Modelling and HPC Simulation of Natural Disasters	HPC Ricamo
16:30-17:30	Real and Functional Analysis*	A.1.7 Ricamo	Machine Learning for Smart Cities Automation	A0.4 Turing	Italian Language for Foreigners A2	Digital Class	Machine Learning for Smart Cities Automation	A1.1 Turing	Mathematical Modelling and HPC Simulation of Natural Disasters	HPC Ricamo
17:30-18:30	Real and Functional Analysis*	A.1.7 Ricamo	Machine Learning for Smart Cities Automation	A0.4 Turing	Italian Language for Foreigners A2	Digital Class	Machine Learning for Smart Cities Automation	A1.1 Turing		
18:30-19:30			Machine Learning for Smart Cities Automation	A0.4 Turing			Machine Learning for Smart Cities Automation	A1.1 Turing		

TIMETABLE: FIRST SEMESTER, A.Y. 2024/2025	MSC IN MATHEMATICAL ENGINEERING – SECOND YEAR
23 SEPTEMBER 2024 / 12 JANUARY 2025	REALMATHS DOUBLE MSC PARTNER STUDENTS FROM: TSNUK – KYIV (“SYSTEMS AND METHODS OF DECISION MAKING”)
COURSES	
Systems Modelling and Simulation (D. Bianchi - MS Teams code:)	Social Networks (S. Leucci – MS Teams code: 167und2)
Modelling and control of networked distributed systems (G. Pola - MS Teams code: 42xf81p)	Optimal Control (E. De Santis - MS Teams code:)
Process and Operations Scheduling (S. Smriglio - MS Teams code: bsu7sm5)	Italian Language for Foreigners (level A2) (E. Mililli - MS Teams code: r6by4kl)

*The course “Social Networks” starts in mid-November 2024.

** On Tuesday, the course “Modelling and control of distributed systems starts at 8:30 am sharp and ends at 11:00 am.

TIME ①	MONDAY	Classroom	TUESDAY	Classroom	WEDNESDAY	Classroom	THURSDAY	Classroom	FRIDAY	Classroom
08:30-09:30			Modelling and control of networked distributed systems**	HPC Ricamo	Optimal Control	A1.2 Turing	Optimal Control	A.1.1 Ricamo	Systems Modelling and Simulations	A1.1 Turing
09:30-10:30			Modelling and control of networked distributed systems**	HPC Ricamo	Optimal Control	A1.2 Turing	Optimal Control	A.1.1 Ricamo	Systems Modelling and Simulations	A1.1 Turing
10:30-11:30	Process and Operations Scheduling	HPC Ricamo	Modelling and control of networked distributed systems**	HPC Ricamo	Optimal Control	A1.2 Turing	Optimal Control	A.1.1 Ricamo	Systems Modelling and Simulations	A1.1 Turing
11:30-12:30	Process and Operations Scheduling	HPC Ricamo	Process and Operations Scheduling	HPC Ricamo	Social Networks*	Digital Class				
12:30-13:30	Process and Operations Scheduling	HPC Ricamo	Process and Operations Scheduling	HPC Ricamo	Social Networks*	Digital Class				
14:30-15:30			Systems Modelling and Simulations	A.1.1 Ricamo			Italian Language for Foreigners A2	HPC Ricamo	Modelling and control of networked distributed systems	A0.4 Turing
15:30-16:30			Systems Modelling and Simulations	A.1.1 Ricamo			Italian Language for Foreigners A2	HPC Ricamo	Modelling and control of networked distributed systems	A0.4 Turing
16:30-17:30					Italian Language for Foreigners A2	Digital Class	Social Networks*	A1.2 Turing		
17:30-18:30					Italian Language for Foreigners A2	Digital Class	Social Networks*	A1.2 Turing		

TIMETABLE: FIRST SEMESTER, A.Y. 2024/2025	MSC IN MATHEMATICAL ENGINEERING – SECOND YEAR
23 SEPTEMBER 2024 / 12 JANUARY 2025	REALMATHS DOUBLE MSC PARTNER STUDENTS FROM: IFNUL – LVIV
COURSES	
Real and Functional Analysis (M. Palladino - MS Teams code:)	Mathematical modelling and HPC simulation of natural disasters (D. Pera - MS Teams code: wzg7ekv)
Stochastic numerics laboratory (3 CFU) (S. Di Giovacchino - MS Teams code: oilji20)	Deterministic modelling in population dynamics and epidemics (M. Di Francesco, A. Esposito - MS Teams code: a0raq0s)
Mathematics for decision making (M. Giuli - MS Teams code: nz7a99z)	Numerical Methods for Stochastics Modelling (3CFU) (R. D’Ambrosio – MS Teams Code: xuz3dky)

*THE COURSE “REAL AND FUNCTIONAL ANALYSIS WILL START AT THE END OF OCTOBER”.

** The course “Stochastic numerics laboratory” (S. Di Giovacchino) follows the same schedule as the course “Numerical methods for stochastic modelling”; the latter course starts on November 4, 2024.

*** On Thursday, the course of Mathematics for Decision Making starts at 17:15.

TIME ⌚	MONDAY	Classroom	TUESDAY	Classroom	WEDNESDAY	Classroom	THURSDAY	Classroom	FRIDAY	Classroom
08:30-09:30			Real and Functional Analysis*	A.1.7 Ricamo	Mathematical Modelling and HPC Simulation of Natural Disasters	HPC Ricamo	Deterministic modelling in population dynamics and epidemiology	Lab Math Mod Ricamo	Mathematics for Decision Making***	C3.26 De Meis
09:30-10:30			Real and Functional Analysis*	A.1.7 Ricamo	Mathematical Modelling and HPC Simulation of Natural Disasters	HPC Ricamo	Deterministic modelling in population dynamics and epidemiology	Lab Math Mod Ricamo	Mathematics for Decision Making***	C3.26 De Meis
10:30-11:30	Numerical Methods for Stochastic Modelling**	Lab. Math Mod Ricamo	Real and Functional Analysis*	A.1.7 Ricamo			Deterministic modelling in population dynamics and epidemiology	Lab Math Mod Ricamo	Mathematics for Decision Making***	C3.26 De Meis
11:30-12:30	Numerical Methods for Stochastic Modelling**	Lab. Math Mod Ricamo			Real and Functional Analysis*	A.1.7 Ricamo	Real and Functional Analysis*	A.1.7 Ricamo	Numerical Methods for Stochastic Modelling**	A.0.6 Ricamo
12:30-13:30	Numerical Methods for Stochastic Modelling**	Lab. Math Mod Ricamo			Real and Functional Analysis*	A.1.7 Ricamo	Real and Functional Analysis*	A.1.7 Ricamo	Numerical Methods for Stochastic Modelling**	A.0.6 Ricamo
14:30-15:30					Deterministic modelling in population dynamics and epidemiology	HPC Ricamo			Mathematical Modelling and HPC Simulation of Natural Disasters	HPC Ricamo
15:30-16:30					Deterministic modelling in population dynamics and epidemiology	HPC Ricamo			Mathematical Modelling and HPC Simulation of Natural Disasters	HPC Ricamo
16:30-17:30	Real and Functional Analysis*	A.1.7 Ricamo					Mathematics for Decision Making***	A1.5 Turing	Mathematical Modelling and HPC Simulation of Natural Disasters	HPC Ricamo
17:30-18:30	Real and Functional Analysis*	A.1.7 Ricamo					Mathematics for Decision Making***	A1.5 Turing		

TIMETABLE: FIRST SEMESTER, A.Y. 2024/2025	MSC IN MATHEMATICAL ENGINEERING – SECOND YEAR
23 SEPTEMBER 2023 / 12 JANUARY 2025	REALMATHS DOUBLE MSC PARTNER STUDENTS FROM: SUT – GLIWICE
COURSES	
Advanced Analysis (6CFU) (C. Lattanzio, M. Di Francesco - MS Teams code: 9y74e0w)	Italian Language for Foreigners (level A1) (R. Antonetti - MS Teams code: bew8yqh)
Introduction to mathematical control theory: (C. Pignotti - MS Teams code: m3yg10t)	Deterministic modelling in population dynamics and epidemiology: (M. Di Francesco, A. Esposito – MS Teams code: a0raq0s)
Time series and prediction: (U. Triacca - MS Teams code: 45ej77e)	

*On Tuesday, the course “Time Series and Prediction” starts at 11:00 am.

***The course “Introduction to Mathematical Control Theory” starts on the 2nd of October.

TIME ☹	MONDAY	Classroom	TUESDAY	Classroom	WEDNESDAY	Classroom	THURSDAY	Classroom	FRIDAY	Classroom
08:30-09:30					Introduction to Mathematical Control Theory***	Lab Math Mod Ricamo	Deterministic modelling in population dynamics and epidemiology	Lab Math Mod Ricamo		
09:30-10:30					Introduction to Mathematical Control Theory***	Lab Math Mod Ricamo	Deterministic modelling in population dynamics and epidemiology	Lab Math Mod Ricamo		
10:30-11:30			Time series and prediction*	A1.1 Turing	Introduction to Mathematical Control Theory***	Lab Math Mod Ricamo	Deterministic modelling in population dynamics and epidemiology	Lab Math Mod Ricamo		
11:30-12:30			Time series and prediction*	A1.1 Turing			Advanced Analysis	C1.16 De Meis		
12:30-13:30			Time series and prediction*	A1.1 Turing			Advanced Analysis	C1.16 De Meis		
14:30-15:30	Advanced Analysis	A1.1 Turing	Advanced Analysis	C1.16 De Meis	Deterministic modelling in population dynamics and epidemiology	HPC Ricamo				
15:30-16:30	Advanced Analysis	A1.1 Turing	Advanced Analysis	C1.16 De Meis	Deterministic modelling in population dynamics and epidemiology	HPC Ricamo				
16:30-17:30	Advanced Analysis	A1.1 Turing	Italian Language for Foreigners A1	A.1.7 Ricamo	Italian Language for Foreigners A1	A.1.7 Ricamo				
17:30-18:30	Time series and prediction*	A1.5 Turing	Italian Language for Foreigners A1	A.1.7 Ricamo	Italian Language for Foreigners A1	A.1.7 Ricamo				
18:30-19:30	Time series and prediction*	A1.5 Turing								

TIMETABLE: FIRST SEMESTER, A.Y. 2023/2024					MSC IN MATHEMATICAL ENGINEERING – SECOND YEAR				
25 SEPTEMBER 2023 / 14 JANUARY 2024					INTERNATIONAL - LOCAL STUDENTS				
COURSES									
Numerical Methods for PDEs (R. D'Ambrosio - MS Teams code: wjlfxt)					Advanced Scientific Computing (C. Scalone - MS Teams code: s78125n)				

* On Friday, the course “Advanced Scientific Computing” starts at 8:30 am sharp and ends at 11:00 am.

** The course starts on October, 1st.

TIME 🕒	MONDAY	Classroom	TUESDAY	Classroom	WEDNESDAY	Classroom	THURSDAY	Classroom	FRIDAY	Classroom
08:30-09:30	Advanced Scientific Computing	Lab. Math. Mod. Ricamo							Advanced Scientific Computing*	A1.3 Turing
09:30-10:30	Advanced Scientific Computing	Lab. Math. Mod. Ricamo							Advanced Scientific Computing*	A1.3 Turing
10:30-11:30									Advanced Scientific Computing*	A1.3 Turing
11:30-12:30										
12:30-13:30										
14:30-15:30					Numerical Methods for PDEs**	Lab. Math. Mod. Ricamo				
15:30-16:30					Numerical Methods for PDEs**	Lab. Math. Mod. Ricamo				
16:30-17:30			Numerical Methods for PDEs**	Lab. Math. Mod. Ricamo	Numerical Methods for PDEs**	Lab. Math. Mod. Ricamo				
17:30-18:30			Numerical Methods for PDEs**	Lab. Math. Mod. Ricamo						
18:30-19:30										