Preliminary teaching programme for academic year 2024-25

Tremma	teaching programme for academic year 2024-23	Preliminary teaching programme for academic year 2024-25 Open to exchange Open to other degree								
Code	Course unit name	Scope (cr)	Period	Languages	Mode of teaching / Method of completion	Open university studies	students	programmes		
MAST32004	Advanced Bayesian Inference	5 cr	4. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
MAST31005	Algebra II	10 cr	12. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
MAST30161	Analysis of correlated data	5 cr	to be confirmed	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
MAST30128	Asymptotic statistical inference	5 cr	3. period	English - Completely in English (or multilingual)	including both contact and distance teaching	Teaching is only for degree students.	yes	yes		
MAST31402	Bayesian inversion	5 cr	4. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
MAST30156	Bifurcation theory - Moodle exam	5 cr	all year	English	Moodle exam	Exam is only for degree students.	yes	yes		
MAST30154	Career seminar in insurance mathematics	5 cr	34. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
MAST30155	Case studies in insurance mathematics	5 cr	12. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
MAST30157	Case Studies in Mathematics and Statistics	5 cr	12. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
MAST30121	Causal Inference: foundations, assumptions and applications	5 cr	1. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
MAST 31207	Classification theory	10 cr	34. period	English - Completely in English (or multilingual)	Contact teaching	Teaching is only for degree students.	yes	yes		
MAST30145	Communicating with statistics	5 cr	intensive period in August	English - Completely in English (or multilingual)	including both contact and distance teaching	Teaching is only for degree students.	yes	yes		
MAST30137	Complex analysis II	10 cr	4. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
	Computational methods I	5 cr	3. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	ves		
	Computational statistics	5 cr	1. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	ves		
	Convex analysis and optimization I	5 cr	3. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
	Convex analysis and optimization II	5 cr	4. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
MAST30210		5 cr	3. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
	Financial Economics	10 cr	12. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	ves	ves		
	Finite model theory	10 cr	12. period	English - Completely in English (or multilingual) English - Completely in English (or multilingual)	contact teaching contact teaching	Teaching is only for degree students. Teaching is only for degree students.	7	yes		
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	Finite model theory - Examinarium	10 cr	all year	English	Examinarium exam	Exam is only for degree students.	yes	yes		
	Functional analysis I	5 cr	1. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
	Functional Analysis II	5 cr	2. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
	History of mathematics	5 cr	34. period	English - Completely in English (or multilingual)	contact teaching	Teaching is offered through Open university.	yes	yes		
	History of statistics	5 cr	14. period	English - Completely in English (or multilingual)	online teaching (not time-bound)	Teaching is offered through Open university.	yes	yes		
MAST31023		10 cr	34. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
	Introduction to Complex Analysis	5 cr	3. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
	Introduction to mathematical physics A	5 cr	3. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
MAST30132	Introduction to Real and Fourier Analysis	5 cr	2. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
MAST31401	Inverse Problems 1: convolution and deconvolution	5 cr	1. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
MAST31406	Inverse Problems 2: tomography and regularization	5 cr	2. period	English - Completely in English (or multilingual)	including both contact and distance teaching	Teaching is only for degree students.	yes	yes		
MAST31406	Inverse Problems 2: tomography and regularization	5 cr	2. periodi	English, Finnish - Completely in English (or multilingual)	including both contact and distance teaching	Teaching is only for degree students.	yes	yes		
MAST31405	Inverse Problems Project Work	5 cr	2. period	English - Completely in English (or multilingual)	including both contact and distance teaching	Teaching is only for degree students.	yes	yes		
MAST31911	Life insurance mathematics I	5 cr	3. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	ves	ves		
MAST31912	Life insurance mathematics II	5 cr	4. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
	Master's studies seminar I	2 cr	1. period	Finnish, English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	no	no		
MAST30011	Master's studies seminar I	2 cr	3. period	Finnish, English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	no	no		
	Master's studies seminar II	3 cr	2. period	Finnish, English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	no	no		
	Master's studies seminar II	3 cr	4. period	Finnish, English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	no	no		
	Mathematical logic	10 cr	12. period	English - Completely in English (or multilingual)	Contact teaching	Teaching is only for degree students.	ves	ves		
	Mathematical logic - general exam	10 cr	<u> </u>	English	usual exam	Exam is only for degree students.		7		
	0 0		all year	- V			yes	yes		
	Model theory	10 cr	12. period	English - Completely in English (or multilingual)	Contact teaching	Teaching is only for degree students.	yes	yes		
	Multivariate analysis	5 cr	1. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
	Nonparametric Inference	5 cr	2. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
	Partial differential equations I	5 cr	1. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
	Partial differential equations II	5 cr	2. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
	Probability theory I	5 cr	1. period	English - Completely in English (or multilingual)	including both contact and distance teaching	Teaching is only for degree students.	yes	yes		
	Probability theory II	5 cr	2. period	English - Completely in English (or multilingual)	including both contact and distance teaching	Teaching is only for degree students.	yes	yes		
MAST31908		5 cr	34. period	English - Completely in English (or multilingual)	including both contact and distance teaching	Teaching is only for degree students.	yes	yes		
MAST31026	Riemannian geometry	10 cr	12. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
MAST33004	Robust regression	5 cr	1. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
MAST31503	Spatial models in ecology and evolution	10 cr	34. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
MAST32016	Statistical methods to handle missing data	5 cr	3. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
MAST31706	Stochastic analysis I	5 cr	1. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
MAST31710	Stochastic analysis II	5 cr	2. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
	Stochastic Methods of Energy Markets	5 cr	34. period	English - Completely in English (or multilingual)	including both contact and distance teaching	Teaching is only for degree students.	yes	ves		
	Stochastic population models I	5 cr	3. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		
	Stochastic population models II	5 cr	4. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	ves		
MAST32007		5 cr	2. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	ves	yes		
	Time series analysis II	5 cr	3. period	English - Completely in English (or multilingual)	including both contact and distance teaching	Teaching is only for degree students.	ves	yes		
	Topics in logic		2. period	English - Completely in English (or multilingual)		Teaching is only for degree students. Teaching is only for degree students.	7	1		
		5 cr	3. period		contact teaching		yes	yes		
	Topics in probability I			English - Completely in English (or multilingual)		Teaching is only for degree students.	yes	yes		
MAST31003	Topology II	10 cr	12. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes		