

School of Mathematical Sciences
Teaching Allocation 2023 – 2024
07/12/23

Tutorial and exam marking allocations are not shown and will be announced separately

Sem	Module Code	Title	Module Organiser	
Foundation Modules				
B	SEF015	Discrete Maths	Walters	
A	SEF026	Essential Foundation Mathematics	Bray / Mainou	
Y	SEF040	Mathematics A	Shaheen / Khalid	
Y	SEF041	Mathematics B	Shaheen / Khalid	
Level 4 (UG)				
Y	MTH4112	Actuarial Professional Development I	Richards/Zata	
A	MTH4400	Applied Calculus	Bandtlow / Yassawi	Joint Honours Sem A
B	MTH4400	Applied Calculus	Bandtlow / Yassawi	Joint Honours Sem B
A	MTH4300	Introduction to Analysis with Calculus	Klages / Nguyen	Single Honours Sem A
B	MTH4300	Introduction to Analysis with Calculus	Klages / Nguyen	Single Honours Sem B
A	MTH4000	Programming in Python I	Lewis / Prellberg	
B	MTH4104	Introduction to Algebra	Sasaki	
A	MTH4600	Applied Probability & Statistics	del Bano Rollin / Shaheen	Joint Honours Sem A
B	MTH4600	Applied Probability & Statistics	del Bano Rollin / Shaheen	Joint Honours Sem B
A	MTH4500	Probability & Statistics	Blitvic / Moriarty	Single Honours Sem A
B	MTH4500	Probability & Statistics	Blitvic / Moriarty	Single Honours Sem B
A	MTH4113	Numbers, Sets and Functions	Fayers	Joint Honours Sem A
A	MTH4213	Numbers, Sets and Functions	Jerrum	Single Honours Sem A
B	MTH4115	Vectors & Matrices	Huang / Lewis	Joint Honours Sem B
B	MTH4215	Vectors & Matrices	Garetto / Lewis	Single Honours Sem B
Level 5 (UG)				
A	MTH5124	Actuarial Mathematics I	Baule	
B	MTH5125	Actuarial Mathematics II	Nica	
A	MTH5127	Actuarial Professional Development II	Asimba / Sutton	
B	MTH5131	Actuarial Statistics	Stark	
B	MTH5103	Complex Variables	Shamis	
A	MTH5104	Convergence & Continuity	Nabijou	
B	MTH5105	Differential and Integral Analysis	Arrowsmith	
A	MTH5123	Differential Equations	Bianconi	
B	MTH5113	Introduction to Differential Geometry	Anous	
B	MTH5001	Introduction to Computer Programming	Prellberg / Dabelow	
A	MTH5112	Linear Algebra I	Russo / Tomasic	
A	MTH5212	Applied Linear Algebra	Rincon / Markakis	

B	MTH5114	Linear Programming and Game Theory	Patel
A	MTH5130	Number Theory	Jana
A	MTH5129	Probability and Stats II	Goldsheid / Liverani
B	MTH5120	Statistical Modelling I	Shaheen / Sutton
B	MTH5126	Statistics for Insurance	Fang
A	MTH5200A	Placement Preparation	Nica
Level 6 (UG)			
B	MTH6112	Actuarial Financial Engineering	Fang
B	MTH6105	Algorithmic Graph Theory	Fischer
A	MTH6102	Bayesian Statistical Methods	Solea
A	MTH6107	Chaos & Fractals	Jenkinson
Y	MTH6110	Communicating and Teaching Mathematics	Beheshti / Lewis
B	MTH6142	Complex Networks	Latora
A	MTH6115	Cryptography	Noohi
A	MTH6154	Financial Mathematics I	Beck
B	MTH6155	Financial Mathematics II	Goldsheid
A	MTH6106	Group Theory	Morris
B	MTH6101	Introduction to Machine Learning	Maruri-Aguilar / Papafitsoros
A	MTH6140	Linear Algebra II	Majid
B	MTH6113	Mathematical Tools for Asset Management	Nica
B	MTH6127	Metric Spaces and Topology	Farber
B	MTH6150	Numerical Computing with C and C++	Agathos/Mainou
A	MTH6151	Partial Differential Equations	Wang
A	MTH6141	Random Processes	Johnson
B	MTH6132	Relativity	Figueras / Russo
B	MTH6158	Ring Theory	Rincon
A	MTH6134	Statistical Modelling II	Liverani / Maruri-Aguilar
A	MTH6157	Survival Models	Sutton
B	MTH6139	Time Series	del Bano Rollin / Shestopaloff
Projects (UG)			
Y	MTH6138 / MTH6153	Third Year Project/Actuarial Project	Fischer / Saha
Y	MTH717U	MSci Project and presentations	Fischer / Saha
Y	MTHM038	MSc Dissertations - Mathematics, Financial Mathematics/Financial Computing, Data Analytics (see below)	Bandtlow
C	BUSM130	Group Project in Business Analytics (see below)	del Bano Rollin
Level 7			
B	MTH773P	Advanced Computing in Finance	Phillips
B	MTH787P	Advanced Derivatives Pricing and Risk Management	Stark
B	MTH793P	Advanced Machine Learning	Bobrowski / Perra
B	MTH709U - MTHM042	Bayesian Statistics	Shestopaloff

B	MTH743U - MTH743P	Complex Systems	Jenkinson
B	MTH791U	Computational Statistics with R	Iacopini
B	MTH762P	Continuous-time Models in Finance	Gnedin
A	MTH781P	Data Analytics	Baule / Fang
A	MTH744U - MTH744P	Dynamical Systems	Arrowsmith
B	MTH792P	Financial Data Analytics	Fang / Mainou
A	MTH761P	Financial Instruments and Markets	Vergel
A	MTH771P	Foundations of Math Modelling in Finance	Phillips
B	MTH745U - MTH745P	Further Topics in Algebra	Bray / Nabijou
B	MTH750U - MTHM750	Graphs and Networks	Latora
A	MTH786P	Machine Learning with Python	Bobrowski / Perra
A	BUSM131	Masterclass in Business Analytics Sem A	Markakis / Wunderlich
B	BUSM131	Masterclass in Business Analytics Sem B	Markakis / Wunderlich
Y	MTH717U	MSci Project and presentations	See under projects
B	MTH767P	Neural Networks and Deep Learning	Hanada
B	MTH784P	Optimisation for Business Processes	Skraba
A	MTH794P	Probability and Statistics for Data Analytics	Guillaumin
A	MTH785P	Programming for Business Analytics	Ward
A	MTH790U	Programming in C++ for Finance	del Bano Rollin / Mainou
A	MTH766P	Programming in Python	Dabelow
A	MTH700U - MTH700	Research Methods	Morris
B	MTH782P	SAS for Business Intelligence	Qi
A	MTH765P	Storing, Manipulating and Visualising Data	Benning / Skraba
B	MTH783P	Time Series for Business	Iacopini
A	MTH734U - MTH734P	Topics in Probability and Stochastic Processes	Maltsev
A	MTH739U - MTH739P	Topics in Scientific Computing	Clough
B	MTH741P	Digital and Real Asset Analytics	Vergel
New UG/PGT Module Development - 23/24 Start			
PGT	Applied Statistics	Applied Statistical Modelling	Solea / Shestopaloff
		Biostatistics and Medical Statistics	Liverani
		Survey Sampling	Maruri-Aguilar
PGT	Risk Analytics	Regulatory Risk Analytics	Fang / Stark
		Sustainability and Climate Risk Analytics	Fang / Guillaumin
		Foundations of Mathematics and Statistics	Fang / Guillaumin
PGT	Actuarial	Mathematical Tools for Asset and Liability Management; Financial Engineering	Nica / Vergel
		Actuarial Risk Management 1	Nica / Sutton

		Actuarial Risk Management 2	Nica / Sutton
UG		Level 5 Programming in Python II	Walters / Ward
LTCC			
A		Morse Theory, Topology and Robotics	Farber
A		Pseudo-differential Operators and Applications to PDEs	Garetto
B		Measure Theoretic Probability	Gnedin
B		Random Graphs and Topological Data	Bobrowski
B		Mathematical Topics in General Relativity	Valiente Kroon
Project Supervision			
C		Group Project in Business Analytics - Supervisors	Baule, del Bano Rollin, Fang, Nica, Sutton
C		MSc Dissertation - Data Analytics Supervisor Mentors	Fischer, Nicosia, Perra, Skraba, Vergel, Ward
C		MSc Dissertation - Data Analytics Supervisors	Agathos, Bianconi, Bray, Fang, Farber, Fink, Garetto, Goldsheid, Jana, Jerrum, Lewis, Mainou, Morris, Nica, Papafitsoros, Prellberg, Qi, Sasaki, Stark, Wang
C		MSc Dissertation - Financial Mathematics, Financial Computing Supervisors	Bandtlow, Baule, Beck, del Bano Rollin, Fang, Gnedin, Goldsheid, Nica, Phillips, Stark, Sutton, Vergel, Wunderlich