

**Mathematics Exam Papers (Autumn Term), Convenors and Checkers 2019-2020.**

<u>Code</u>	<u>Module</u>	<u>Setter</u>	<u>Second Checker</u>	<u>Sit/Resit?</u>
<b>Level 3</b>				
G5132	Further Mathematics B	Carole Becker	MickTaylor	S/R
G5129	Project FY Maths	Roger Luther	James Hirschfeld	S/R

<b>Level 4</b>				
G1010	Mathematics Demyst.	Roger Luther	Mick Taylor	S/R
G5085	Analysis 1	Peter Giesl	Miroslav Chlebik	S/R
G5130	Discrete Math.	Roger Luther	Carole Becker	S/R
G5088	Linear Algebra	Ali Taheri	Konstantinos Koumatos	S/R
G5084	Numerical Analysis 1	Omar Lakkis	Vanessa Styles	S/R

<b>Level 5</b>				
<u>Code</u>	<u>Course</u>	<u>Author</u>	<u>Second Checker</u>	<u>Sit/Resit?</u>
G5110	Complex Analysis	Gabriel Koch	Roger Luther	S/R
G5097	Differential Equations	Mick Taylor	Bertram Duering	S/R
G5125	Numerical Analysis 2	Vanessa Styles	Omar Lakkis	S/R
G5098	Probability and Statistics	Minmin Wang	Antoine Dahlqvist	S/R

Level 6				
G5125	Advanced PDE	Michael Melgaard	Ali Taheri	S/R
G1155	Coding Theory	James Hirschfeld	Roger Luther	S/R
G1158	Continuum Mechanics	Konstantinos Koumatos	Gabriel Koch	S/R
G5126	Dynamical Systems	Miroslav Chlebik	Peter Giesl	S/R
G1120	Medical Statistics	Derek Robinson	Istvan Kiss	S/R
G5214	Optimal Control of PDEs	Bertram Duering	Gabriel Koch	S/R
840G1	Perturbation Theory and Calculus of Variations	Vanessa Styles	Chandrasekhar Venkataraman	S/R
G1101	Random Processes	Antoine Dahlqvist	Enrico Scalas	S/R

Level 7				
<u>Code</u>	<u>Course</u>	<u>Author</u>	<u>Second Checker</u>	<u>Sit/Resit?</u>
866G1	Advanced PDE	Michael Melgaard	Ali Taheri	S/R
855G1	Coding Theory	James Hirschfeld	Roger Luther	S/R
858G1	Differential Geometry	Ali Taheri	Michael Melgaard	S/R
849G1	Financial Portfolio Analysis	Bertram Duering	Qi Tang	S/R
846G1	Mathematical Fluid Mechanics	Gabriel Koch	Ali Taheri	S/R
832G1	Math. Models in Finance and Industry	Mick Taylor	Roger Luther	S/R
865G1	Monte Carlo Simulations	Enrico Scalas	Minmin Wang	S/R
845G1	Numerical Solution of PDEs	Chandrasekhar Venkataraman	Vanessa Styles	S/R
862G1	Random Processes	Antoine Dahlqvist	Enrico Scalas	S/R
867G1	Statistical Inference	Istvan Kiss	Derek Robinson	S/R

Level 7 MSc Only				
<u>Code</u>	<u>Course</u>	<u>Author</u>	<u>Second Checker</u>	<u>Sit/Resit?</u>
861G1	Financial Invest. & Corp. Risk Analysis	Qi Tang	Bertram Duering	S/R

### Exam Paper Rubrics

Module	Duration of UEX	No Questions	No Sections	Marks per question	Total Marks
<b>Yr 0 (Level 3)</b>					
Further Mathematics, B G5132	2 hrs	6q set, all answered	1	10	60
<b>Yr 1 (Level 4)</b>					
Analysis 1, G5086; Discrete Mathematics, G5130; Linear Algebra, G5088; Numerical Analysis 1, G5084 Mathematics Demystified, G1010;	2 hrs	5q set, all answered	1	20	100
<b>Yr 2 (Level 5), Year 3 (Level 6) and Year 4 (Level 7)</b>					
Rubric for all other exam papers	2hrs	4q set, 3 answered	1	30	90

**In all exams the rubric must clearly indicate that either “approved calculators are permitted” or that “No calculators are allowed” depending on whether or not calculators may be used.**

### Handouts for Exams

Probability & Statistics, G5098.	Statistical Tables and Probability Distributions
Medical Statistics, G1120.	Statistical Tables