School of Mathematics

Study Abroad Module List 2020-21

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| **Module Code** | **Module Title** | **Level** | **Semester** | **Credits** |
| 15552 | Linear Algebra | LI | 1 | 10 |
| 25662 | LC Mathematical Modelling & Problem Solving | LC | 1 | 10 |
| 25765 | LI Linear Algebra & Linear Programming | LI | 1 | 20 |
| 28367 | LH Partial Differential Equations | LH | 1 | 10 |
| 28510 | LI Mathematical Modelling & Problem Solving | LI | 1 | 10 |
| 28512 | LH Linear Algebra & Linear Programming  | LH | 1 | 20 |
| 33233 | LM Integer Programming and Combinatorial Optimisation  | LM | 1 | 20 |
| 33862 | LM Nonlinear Programming I and Heuristic Optimisation | LM | 1 | 20 |
| 33873 | LM Advanced Mathematical Modelling | LM | 1 | 20 |
| 33917 | LH Advanced Mathematical Modelling | LH | 1 | 20 |
| 34047 | LC Sequences and Series | LC | 1 | 10 |
| 34051 | LC Real Analysis | LC | 1 | 20 |
|  27363  | LI Algebra & Combinatorics 1  | LI | 1 | 20 |
|  34047  | LC Sequences and Series  | LC | 1 | 10 |
|  34051  | LC Real Analysis  | LC | 1 | 20 |
| TBC | LM Metric Spaces and Topology  | LM | 1 | TBC |
| 24561 | LH Linear Programming | LH | 2 | 10 |
| 25661 | LC Mechanics | LC | 2 | 10 |
| 25663 | LC Probability & Statistics | LC | 2 | 10 |
| 25668 | LI Mathematics in Industry | LI | 2 | 10 |
| 25669 | LI Numerical Methods & Programming | LI | 2 | 10 |
| 26709 | LI Probability & Statistics | LI | 2 | 10 |
| 27345 | LI Mechanics | LI | 2 | 10 |
| 31131 | LH Randomness and Computation | LH | 2 | 20 |
| 33857 | LM Applied Mathematical Analysis  | LM | 2 | 20 |
| 33867 | LM Game Theory and Multicriteria Decision Making  | LM | 2 | 20 |
| 33871 | LM Advanced Topics in Analysis  | LM | 2 | 20 |
| 33874 | LM Advanced Management Mathematics  | LM | 2 | 20 |
| 33914 | LH Numerical Methods and Numerical Linear Algebra | LH | 2 | 20 |
| 33915 | LH Applied Mathematical Analysis  | LH | 2 | 20 |
| 34343 | LM Advanced Mathematical Finance | LM | 2 | 20 |
| 34344 | LM Advanced Finance and Risk Analytics | LM | 2 | 20 |
| 35167 | LM Group Theory | LM | 2 | 20 |
| 36083 | LM Metric Spaces and Topology | LM | 2 | 20 |
| 36084 | LM Randomness and Computation | LM | 2 | 20 |
|  25661  | LC Mechanics  | LC | 2 | 10 |
|  25662  | LC Mathematical Modelling & Problem Solving  | LC | 2 | 10 |
|  25663  | LC Probability & Statistics  | LC | 2 | 10 |
|  25664  | LC Vectors, Geometry & Linear Algebra  | LC | 2 | 20 |
|  26709  | LI Probability & Statistics  | LI | 2 | 10 |
|  27345  | LI Mechanics  | LI | 2 | 10 |
|  28510  | LI Mathematical Modelling and Problem Solving  | LI | 2 | 10 |
| 16214 | Number Theory | LM | Full Term | 20 |
| 19590 | Nonlinear Programming I and Heuristic Optimisation | LH | Full Term | 20 |
| 19592 | Graph Theory | LH | Full Term | 20 |
| 19601 | Combinatorics and Communication Theory | LH | Full Term | 20 |
| 19605 | Graph Theory | LM | Full Term | 20 |
| 19608 | Combinatorics and Communication Theory | LM | Full Term | 20 |
| 20443 | Mathematical Finance | LM | Full Term | 20 |
| 20444 | Mathematical Finance | LH | Full Term | 20 |
| 21624 | Integer Programming and Combinatorial Optimisation | LH | Full Term | 20 |
| 22498 | Number Theory | LH | Full Term | 20 |
| 22515 | Applied Statistics | LH | Full Term | 20 |
| 22519 | LM Group Theory and Galois Theory A & B | LM | Full Term | 20 |
| 22522 | LM Applied Statistics | LM | Full Term | 20 |
| 23062 | LH Statistical Methods in Economics | LH | Full Term | 20 |
| 23839 | LM Financial Engineering Project | LM | Full Term | 60 |
| 25659 | LC Algebra & Combinatorics 1 | LC | Full Term | 20 |
| 25660 | LC Real Analysis & the Calculus | LC | Full Term | 30 |
| 25664 | LC Vectors, Geometry & Linear Algebra | LC | Full Term | 20 |
| 25665 | LI Algebra & Combinatorics 2 | LI | Full Term | 20 |
| 25666 | LI Real & Complex Analysis | LI | Full Term | 20 |
| 25667 | LI Multivariable & Vector Analysis | LI | Full Term | 20 |
| 25670 | LI Differential Equations | LI | Full Term | 20 |
| 25671 | LI Statistics | LI | Full Term | 20 |
| 27099 | Statistical Methods in Finance and Economics | LM | Full Term | 20 |
| 27142 | LH Algebra & Combinatorics 2 | LH | Full Term | 20 |
| 27143 | LH Differential Equations | LH | Full Term | 20 |
| 27145 | Numerical Methods & Programming | LH | Full Term | 10 |
| 27146 | Real & Complex Analysis | LH | Full Term | 20 |
| 27147 | LH Statistics | LH | Full Term | 20 |
| 27363 | LI Algebra & Combinatorics 1 | LI | Full Term | 20 |
| 27687 | LM Topics in Applied Mathematics | LM | Full Term | 20 |
| 27691 | LM Reaction-Diffusion Theory | LM | Full Term | 20 |
| 27692 | LM Nonlinear Waves | LM | Full Term | 20 |
| 27708 | LH Continuum Mechanics | LH | Full Term | 20 |
| 27714 | LH Methods in Partial Differential Equations | LH | Full Term | 20 |
| 27716 | LM Continuum Mechanics | LM | Full Term | 20 |
| 27722 | LH Metric Spaces and Topology | LH | Full Term | 20 |
| 28403 | LM Methods in Partial Differential Equations | LM | Full Term | 20 |
| 29727 | LH Group Theory | LH | Full Term | 20 |
| 30553 | LH Applied Statistics | LH | Full Term | 20 |
| 31128 | LM Advanced Mathematical Biology | LM | Full Term | 20 |
| 31129 | LH Functional and Fourier Analysis | LH | Full Term | 20 |
| 31130 | LM Functional and Fourier Analysis | LM | Full Term | 20 |
| 32281 | LH Game Theory and Multicriteria Decision Making | LH | Full Term | 20 |