Mathematics - quarter 1

**Year 1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | **Course** | **Book** | **Price** | **Price bol.com** |
| AM1010 | Mathematical Structures | Analysis with an Introduction to Proof | € 69,50,- | € 75,21,- |
| AM1030 | Linear Algebra 1 | Linear Algebra | € 60,95,- | € 61,99,- |

**YEAR 2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | **Course** | **Book** | **Price** | **Price bol.com** |
| AM2090 | Real Analysis | Real Analysis | € 56,09,- | € 57,49,- |
| AM2010 | Linear Algebra 2 | Applied Linear Algebra | € 73,46,- | € 99,99,- |
| AM2080 | Introduction to Statistics | An Introduction to Mathematical Statistics | € 35,95,- | € 38,99,- |

**YEAR 3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | **Course** | **Book** | **Price** | **Price bol.com** |
| AM3500 | Mathematics Seminar | Spectral Analysis of Large Dimensional Random Matrices | € 119,95,- | € 121,- |
| AM3520 | Logic | Introduction to Mathematical Logic | € 103,04,- | -- |

**MASTER**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | **Course** | **Book** | **Price** | **Price bol.com** |
| WI4227-14 | Discrete Optimisation | Combinatorial Optimization | € 179,74,- | € 191,99,- |
| WI4207 | Continuous Optimization | Convex Optimization | € 85,95,- | € 86,99,- |
| WI4465 | Advanced Topics in Probability | Large deviations | € 64,15,- | € 87,99,- |
| WI4655 | Perturbation and Variational Methods for Partial Differential Equations | Partial Differential Equations | € 108,95,- | € 94,- |
| WI4655 | Perturbation and Variational Methods for Partial Differential Equations | Introduction to Perturbation Methods | € 81,48,- | € 84,89,- |
| WI4645 | Introduction to Quantum Information and Computing | Quantum Computation and Quantum Information | € 65,24,- | € 76,99,- |
| WI4515 | Relaxations and Heuristics | Integer Programming, Wiley, 1998 | € 108,71,- | € 115,99,- |

Minors

**MINOR (MATHEMATICS AND) FINANCE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | **Course** | **Book** | **Price** | **Price bol.com** |
| WI3405TU | Option Valuation Methods | An introduction to financial option valuation mathematics | € 48,08,-  | € 49,99,- |
| WI3418TU | Principles of Asset Trading | Principles of Corporate Finance | € 64,95,- | € 47,99,- |
| WI3417TU | Introduction to Mathematical Finance | Stochastic Calculus for Finance I | € 42,89,- | € 42,89,- |
| WI3417TU | Introduction to Mathematical Finance | Stochastic Calculus for Finance II | € 53,99,- | € 53,99,- |

**MINOR COMPUTATIONAL SCIENCE AND ENGINEERING**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | **Course** | **Book** | **Price** | **Price bol.com** |
| TW3710TU | Scientific Programming | Writing Scientific Software- A Guide to Good Style | € 46,93,- | € 56,99,- |
| TW3740TU | Parallel Computing | Parallel Programming for Multicore en Cluster Systems |  € 65,51,- | € 67,- |
| TW3730TU | Numerical Methods for Differential Equations | Numerical Methods for Partial Differential Equations | € 18,- | € 23,99,- |

Computer Science - quarter 1

**year 1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | **Course** | **Book** | **Price** | **Price bol.com** |
| CSE1400 | Computer Organization | Computer Organization and Embedded Systems | € 54,- | € 52,99,- |

**year 2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | **Course** | **Book** | **Price** | **Price bol.com** |
| CSE2420 | Digital Systems | Digital Design and Computer Architecture | € 68,50,- | € 69,49,- |

**MASTER COMPUTER SCIENCE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | **Course** | **Book** | **Price** | **Price bol.com** |
| CS4070 | Multivariate Data Analysis | Probability and Stochastic Processes: A Friendly Introduction for Electrical and Computer Engineers. | € 54,94,- | -- |
| CS4070 | Multivariate Data Analysis | A First Course in Machine Learning 2nd Edition | € 67,54,- | € 78,99,- |
| CS4215 | Quantitative Performance Evaluation for Computing Systems | Performance Modeling and Design of Computer Systems: Queuing Theory in Action | € 75,55,- | € 78,69,- |
| CS4215 | Quantitative Performance Evaluation for Computing Systems | The Art of Computer Systems Performance Analysis: Techniques for Experimental Design, Measurement, Simulation, and Modeling | € 74,86,- | € 79,99,- |
| IN4010(-12) | Artificial Intelligence Techniques | Artificial Intelligence: A Modern Approach. 3rd Edition. Prentice-Hall. | €,- | €,- |
| IN4387 | System Validation | Modeling and Analysis of Communicating | € 57,24,- | -- |
| IN4307 | Medical Visualization | Visual Computing for Medicine | € 74,39,- | € 77,49,- |
| IN4344 | Advanced Algorithms | Algorithmic Design | € 79,29,- | € 72,59,- |