Mathematics - Quarter 3

**Year 1**

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| **Code** | **Course** | **Book** | **Price** | **Price bol.com** |
| EE1510AM | Electricity and Magnetism | Introduction to Electrodynamics | € 59,54,- | -- |
| TI1520AM | Algorithms and Data Structures | Data Structures and Algorithms in Python | € 76,15,- | € 159,99,- |

**Year 2**

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| **Code** | **Course** | **Book** | **Price** | **Price bol.com** |
| AM2060 | Numerical Methods 1 | Numerical Methods for Ordinary Differential Equations | € 16,40,- | € 16,39,- |
| AM2530 | Systems Theory | Mathematical systems theory | € 22,65,- | € 24,99,- |
| AM2560 | Applied Algebra: Codes and Cryptosystems | Coding Theory and Cryptography: The Essentials | € 96,46,- | -- |
| AM2550 | Advanced Statistics | Applied Regression Analysis and Generalized Linear Models | € 116,76,- | -- |
| AM2070 | Partial Differential Equations | Applied Partial Differential Equations with Fourier Series and Boundary Value Problems | € 58,90,- | € 72,99,- |

**Year 3**

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| **Code** | **Course** | **Book** | **Price** | **Price bol.com** |
| AM3560 | Advanced Probability | Probability essentials | € 56,58,- | € 63,99,- |
| AM3530 | Numerical Methods 2 | Numerical Methods for Partial Differential Equations | € 18,00,- | € 23,99,- |
| AM3550 | Combinatorial Optimization | Graph Theory | € 63,18,- | € 71,09,- |
| AM3510 | Mathematical Physical Models | Fields, flows and waves | € 33,00,- | € 37,19,- |

**MASTER applied mathematics**

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| **Code** | **Course** | **Book** | **Price** | **Price bol.com** |
| WI4046 | Spectral Theory of Linear Operators | A Course in Functional Analysis | € 68,24,- | -- |
| WI4019 | Non-linear Differential Equations | Nonlinear differential equations and dynamical systems | € 47,15,- | € 53,09,- |
| WI4205 | Applied Finite Elements | Numerical methods in scientific computing | € 34,00,- | -- |
| WI4205 | Applied Finite Elements | The finite element methods linear static and dynamic finite element analysis | € 27,31,- | € 30,79,- |
| WI4212 | Advanced Numerical Methods | Finite volume methods for hyperbolic problems | € 60,91,- | € 68,53,- |
| WI4260TU | Scientific Programming for Engineers | Writing Scientific Software: A guide to Good Style | € 41,62,- | € 52,99,- |
| WI4475 | Data Assimilation | Dynamic Data Assimilation: A Least Squares Approach | € 162,46,- | € 182,79,- |
| WI4224 | Special topics in Financial Engineering | Mathematical Modeling And Computation In Finance: With Exercises And Python and Matlab computer codes | € 50,77,- | € 55,49,- |
| WI4230 | Time Series & Extreme Value Theory | Time Series Analysis and Its Applications | € 45,78,- | € 81,99,- |
| WI4425 | Financial Markets Theory | Financial Markets Theory | € 98,09,- | -- |

Computer Science - quarter 3

**year 1**

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| **Code** | **Course** | **Book** | **Price** | **Price bol.com** |
| CSE1205 | Linear Algebra | Linear Algebra and Its Applications | € 60,40,- | € 67,59,- |
| CSE1505 | Information and Data Management | Fundamentals of Database Systems | € 53,33,- | -- |

**year 2**

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| **Code** | **Course** | **Book** | **Price** | **Price bol.com** |
| CSE2530 | Computational Intelligence | Artificial Intelligence: a guide to intelligent systems | € 60,72,- | € 64,49,- |
| CSE2430 | Operating System | Operating System Concepts | € 48,73,- | € 54,79,- |
| CSE2315 | Automata, Computability and Complexity | Introduction to the Theory and Computation | € 65,98,- | € 71,29,- |

**year 3**

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| **Code** | **Course** | **Book** | **Price** | **Price bol.com** |
| CSE3500 | Human Computer Interaction | Designing User Experience | € 55,28,- | € 56,99,- |
| CSE3100 | Functional Programming | Programming in Haskell | € 31,46,- | € 34,99,- |

**MASTER**

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| **Code** | **Course** | **Book** | **Price** | **Price bol.com** |
| CS4135 | Software Verification | Types & Programming Languages | € 79,20,- | -- |
| IN4152 | 3D Computer Graphics and Animation | Real-time Rendering | € 76,14,- | -- |
| IN4152 | 3D Computer Graphics and Animation | Real-Time Shadows | € 68,02,- | -- |
| IN4152 | 3D Computer Graphics and Animation | Computer Graphics: Principles and Practice | € 96,99,- | € 109,99,- |
| IN4315 | Software Architecture | Software systems architecture: working with stakeholders using viewpoints and perspectives | € 60,72,- | € 69,- |
| IN4343 | Real-time Systems | Hard real-time computing systems | € 103,74,- | -- |
| IN4391 | Distributed Systems | Distributed Systems: Principles and Paradigms | € 60,72,- | € 73,99,- |