

# Faculty of Computing, Engineering and Science Exam Papers

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## AM0H03 - Foundation Statistics (2 items)

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## AM0S01 - Foundations of Mathematics (4 items)

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## AM1S40 - Engineering Mathematics 1 (4 items)

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**AM2H40 - Further Mathematics for Engineers (3 items)**

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**BE1S110 - Project Management Practice and Procedures (1 items)**

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**BE1S200 - Building Economics (1 items)**

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**BE1S201 - Technical Studies A (1 items)**

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**BE1S202 - Materials, Science and Services (2 items)**

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## BE2S840 - Project Planning, Programming & Control (2 items)

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## BE2S850 - Civil Engineering Measurement & Technology (9 items)

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## BE3S720 - Project Management and Financial Management (3 items)

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**BE4S27 - Construction Laws and Practice** (1 items)

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**BI0S100 - Introduction to Anatomy and Physiology** (1 items)

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**BI1H56 - Introduction to Human Anatomy and Physiology** (2 items)

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**BI1H58 - Health and the Human Lifespan** (1 items)

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**BI1H78 - Introduction to Microbiology** (1 items)

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**BI1H95 - Human Cell Structure and Function** (2 items)

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**BI1H98 - Introduction to Cell and Microbiology** (2 items)

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**BI1S10 - Introduction to Forensic Biology** (3 items)

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**BI1S60 - Diversity of Life I (3 items)**

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**BI1S61 - Diversity of Life II (3 items)**

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**BI1S100 Microorganisms and the Dynamic Cell (1 items)**

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**BI1S101-Genetics and Evolution (1 items)**

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**BI1S103 Human Anatomy and Physiology (1 items)**

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**BI1S105 Evolutionary Botany and Zoology (1 items)**

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**BI2S67 - Cardio-respiratory Physiology (2 items)**

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**G106785 - Introduction to Quality Assurance** (1 items)

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**Main paper 2014/15 - G106801**[Document](#)**G106802 - Industrial Networks and Control (1 items)**

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**Main paper 2014/15 - G106803**[Document](#)**G106804 - Fluid Power Systems (1 items)**

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## G107993 - Computer Networks (1 items)

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## GE2S001 - Managing Sustainable Development (1 items)

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## GE2S002 - City Life and Country Living (1 items)

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## GE2S008 - Biodiversity and Biogeography (3 items)

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## GE2S009 - Reconstructing Change (3 items)

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## GE2S11 - Fluvial and Glacial Environments (3 items)

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## GE2S25 - Landscapes of Consumption (2 items)

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## GE2S26 - Understanding Sustainable Development (2 items)

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## GE3S001 - Urban Geography: space, society and differences (3 items)

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## GE3S002 - Rural Geography - Representation and Reality (3 items)

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## GE3S003 - Reading the Contemporary Landscape (3 items)

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## GE3S16 - Management of Environmental Hazards (3 items)

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## GE3S17 - Climatic and Environmental Change (3 items)

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## IS1S464-Information Engineering (1 items)

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## IS2S521 - Database Development (2 items)

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## IS2S561-Project Management and Professional Practice (1 items)

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## IS2S565-Database Development (1 items)

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## IS3S601 - IS Management (2 items)

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## IS3S602 - Advanced Database and Modelling (3 items)

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## IS3S603 - E-business Systems & Strategy (2 items)

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## IS4S703 - ICT Systems Development (3 items)

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## IS4S705 - Strategic IS Governance (2 items)

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## IS4S706 - Project Management and Research Methodology (3 items)

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## IY2S521 - Computer System Security (3 items)

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## IY2S522 - IT Service Management (2 items)

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## IY2S551 - Digital Forensics and Security (2 items)

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## IY2S600-Secure Web Programming (1 items)

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## MH3S25 - Telecommunications and Mobile Wireless Systems (1 items)

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## MS1S01 - Algebra (3 items)

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## MS1S03 - Calculus (1 items)

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## MS1S07 - Probability and Statistics (2 items)

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## MS1S12 - Fundamentals of Mathematics (1 items)

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## MS1S13 - Methods & Techniques of Mathematics (1 items)

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## MS1S424 - Mathematical Proof and Analysis (2 items)

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## MS2S01 - Abstract and Linear Algebra (3 items)

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## MS2S08 - Management Science (2 items)

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## MS2S17 - Combinatorics and Network Flows (1 items)

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## MS2S18 - Financial Modelling (3 items)

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## MS2S19 - Pattern Recognition and Decision Making (2 items)

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## MS2S21 - Further Statistics (3 items)

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## MS2S22 - Combinatorics and Networks (2 items)

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## MS3S04 - Codes and Information (3 items)

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**MS3S25 - Financial Mathematics (3 items)**

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## NG1S103 - Structural Analysis and Design 1 (3 items)

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## NG1S111 - Civil Engineering Mechanics and Structural Design (1 items)

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## NG1S207 - Mechanical Science 1 (4 items)

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## NG1S207A - Mechanical Science 1 (1 items)

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## NG1S210 - Thermofluids 1 (6 items)

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## NG1S229 - Thermofluids for Engineers (2 items)

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## NG1S233 - Measurement Systems (1 items)

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## NG1S242 - Thermofluids 1 (1 items)

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## NG1S706 - Building Technology (2 items)

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## NG1S709 - Construction Technology 1 (2 items)

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## NG1S711 - Project Management Practice and Procedure (2 items)

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**NG1S712 - Built Environment Economics (2 items)**

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**NG2S233 - Engineering Materials Science (2 items)**

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**NG2S709 - Civil Engineering Measurement and Technology** (9 items)

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[Document](#)**NG3H221 - Thermofluids 3 (5 items)**

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Main paper 2015/16 - NG3H221 (Diagram 1)

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## NG3H222 - Applied Mechanics (3 items)

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## NG3H234 - Control Systems (1 items)

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## NG3H235 - Control (3 items)

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## NG3H236 - Applied Engineering Mechanics (3 items)

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**NG3H237 - Thermodynamics 3** (2 items)

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[Document](#)**NG3H253 - Fluid Dynamics** (2 items)

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[Document](#)**NG3H254 - Thermodynamics 3** (1 items)

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[Document](#)**NG3H300 - Aircraft Maintenance Management** (1 items)

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[Document](#)**NG3H301 - Aircraft Materials** (2 items)

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Main paper 2014/15 - NG3H301

[Document](#)**NG3H302 - Aircraft Structures** (1 items)

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[Document](#)**NG3S101 - Civil Engineering Management** (3 items)

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## NG3S102 - Environmental Engineering & Management (3 items)

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## NG3S103 - Structural Analysis and Design 3 (3 items)

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Main paper 2014/15 - NG3S103

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## NG3S109 - Geotechnics – Analysis and Design (3 items)

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## NG3S110 - Structural Engineering (3 items)

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## NG3S117 - Geotechnics 2 (1 items)

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## NG3S151 - Fire Resistance Design (2 items)

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## NG3S300 - Aircraft Stability and Control (2 items)

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## NG3S301 - Propulsion (2 items)

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## NG3S310 - Aircraft Structure (1 items)

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## NG3S311 - Aerodynamics and Propulsion (1 items)

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## NG3S400 - Engineering Project Management and Business Methods (3 items)

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**Main paper 2014/15 - NG3S400**[Document](#)**NG3S793 - Project and Financial Management (2 items)**

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**Main paper 2015/16 - NG3S793**[Document](#)**NG3S797 - Construction Sustainable Technology (2 items)**

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**Main paper 2015/16 - NG3S797**[Document](#)**NG3S800 - Communication Engineering and Application (1 items)**

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**Main paper 2015/16 - NG3S800**[Document](#)**NG4S802 - Satellite Communications (1 items)**

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**NG3S850 - Power Systems (2 items)**

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**Main paper 2015/16 - NG3S850**[Document](#)**NG3S851 - Power Electronic Applications for Energy Systems (2 items)**

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**Main paper 2016/17 -NG3S851**

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**NG3S852 - Control System Design** (2 items)

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**NG3S853 - Power Electronics and Drives** (1 items)

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**NG3S854 - Smart Grid** (1 items)

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**NG3S855 - Hybrid/Electrical Vehicle Technology** (1 items)

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**NG3S900 - ADVANCED EMBEDDED SYSTEMS** (1 items)

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**NG3S901 - Electronics Design** (1 items)

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**NG3S902 - Optoelectronics for Communications** (1 items)

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**NG3S903 - Electronic Systems Engineering (2 items)**

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[Document](#)**NG3S906 - Electronic Product Management (Distance) (1 items)**

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[Document](#)**NG3S907 - Electronics Design (Distance) (1 items)**

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[Document](#)**NG3S908 - Embedded Systems Design Distance Learning (1 items)**

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Main paper 2015/16 - NG3S908

[Document](#)**NG4H101 - Seismic Analysis and Design to Eurocodes (1 items)**

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Main paper 2015/16 - NG4H101

[Document](#)**NG4H208 - Further Engineering Materials (2 items)**

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[Document](#)**NG4H218 - Advanced Materials & Manufacture (1 items)**

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[Document](#)**NG4H251 - Heat Transfer and Combustion (2 items)**

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**NG4H300 - Advanced Propulsion** (1 items)

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**NG4S101 - Advanced Civil Engineering Materials** (1 items)

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**NG4S103 - Geo-Environmental Engineering** (3 items)

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**NG4S104 - Advanced Structural Analysis and Seismic Design** (1 items)

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**NG4S107 - Appropriate Development Technologies & Sustainability** (1 items)

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**NG4S114 - Advanced Structural Analysis and Structural Concrete Design** (1 items)

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**NG4S115 - Further Advanced Structural Analysis and Steel/Composite**

**Design** (2 items)

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[Document](#)**NG4S244 - Safety Health and Environmental Engineering** (1 items)

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[Document](#)**NG4S246 - Aircraft Maintenance Planning** (1 items)

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[Document](#)**NG4S252 - Applied Thermodynamics** (3 items)

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[Document](#)**NG4S300 - Further Aircraft Structures** (2 items)

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[Document](#)**NG4S311 - Advanced Propulsion** (1 items)

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## NG4S702 - Financial Management for Construction and Real Estate (2 items)

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## NG4S703 - Construction Laws and Practice (1 items)

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## NG4S704 - Project Management 1 (1 items)

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## NG4S803 - Digital Communication Systems (2 items)

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## NG4S900 - Digital Design using VHDL (1 items)

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## NG4S905 - Optoelectronic Devices for Telecommunicati (1 items)

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## PC0S005 - Foundation Performance and Development (1 items)

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**PC1S001 - Police Duties and Law 1** (1 items)

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[Document](#)**PH0S43 - Foundation Chemistry** (3 items)

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[Document](#)**PH0S47 - Chemistry for Care Sciences** (1 items)

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[Document](#)**PH1D02 - Fundamental Chemistry** (1 items)

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Main paper 2014/15 - PH1D02

[Document](#)**PH1S01 - Introduction to Forensic Science** (1 items)

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[Document](#)**PH1S02 - Organic Chemistry** (3 items)

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## PH2S08 - Analytical Chemistry (3 items)

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## PH2S09 - Forensic Evidence

## PH2S17 - Physical Chemistry 2 (3 items)

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## PH2S18 - Synthetic Organic Chemistry (3 items)

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## PH2S19 - Coordination and Organometallic Chemistry (2 items)

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**PH2S47 - Heterocyclic Chemistry and an Introduction to Drug Design (3 items)**

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**PH2S48 - Bioinorganic Chemistry (3 items)**

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**PH2S98 - Coordination Chemistry and Organometallics (1 items)**

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**PH3H03 - Case Studies (1 items)**

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**PH3H11 - Scanning Electron Microscopy and X ray Microanalysis****PH3S10 - Fire and Explosion Investigation (2 items)**

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## PH3S12 - Advanced Analytical Chemistry (3 items)

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## PH3S21 - Advanced Physical Chemistry (3 items)

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## PH3S25 - Advanced Inorganic Chemistry (3 items)

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## PH3S52 - Toxicology (2 items)

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## PH3S53 - Advanced Organic Chemistry (3 items)

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**PH3S54 - Advanced Drug Design and Formulation (1 items)**

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**PH3S55 - Quality Control and Management in the Laboratory**

**PH3S56 - Practical And Instrumental Analytical Chemistry (1 items)**

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**PH3S57 - Quality Control and Management in the Pharmaceutical Industry (1 items)**

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**PH3S58 - Advanced Drug Design and an Introduction to Formulation (2 items)**

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**PH4S001 - Advanced DNA Profiling & Analysis (2 items)**

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**PH4S002 - Advanced Analytical and Forensic Toxicology (1 items)**

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## PH4S004 - Legal Aspects and the Expert Witness for Forensic Scientists

(1 items)

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## PH4S005 - Advanced Separation Science (2 items)

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## PH4S010 - Advanced Formulation Science (2 items)

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## PH4S011 - Analytical Toxicology (1 items)

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## PL1D101 - Introducing Psychology (1 items)

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## RE4S002 - Renewable Energy I: Hydro, Tidal, Wave and Bioenergy (2 items)

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## RE4S003 - Renewable Energy II: Wind, Solar, and Geothermal (2 items)

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**Main paper 2016/17 - SP2S002**[Document](#)

**Main paper 2016/17 - SP2S002 Useful data, equations and expressions**[Document](#)

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**Main Paper 2015/16 - SP2S002**[Document](#)

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**Main Paper 2015/16 - SP2S002 (Equation Sheet)**[Document](#)

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**Main paper 2014/15 - SP2S002**[Document](#)

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**Main paper 2014/15 - SP2S002 (Useful data, equations and expressions)**[Document](#)**SP2S003 - Planetary Science (4 items)**

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**Main paper 2014/15 - SP2S003 (Equation sheet)**[Document](#)**SP3S005 - Astrophysics (4 items)**

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**Main paper 2014/15 - SP3S005 (Constants, Units and Equations)**[Document](#)**SP3S007 - (6 items)**

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**Main Paper 2015/16 - SP3S007 (Physical Constants and Units)**

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**Main paper 2014/15 - SP3S007**

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**Main paper 2014/15 - SP3S007 (Physical Constants and Units)**

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