

A TYPICAL WEEK

	Monday	Tuesday	Wednesday	Thursday	Friday
9.00-10.00	Laboratory	Lecture	Lecture	Lecture	Drawing
10.00-11.00		Lecture	Lecture	Lecture	
11.00-12.00	Lecture	Laboratory	Examples	Free	Lecture
12.00-13.00	Lecture		Lecture		Lecture
13.00-14.00					
14.00-15.00					Drawing
15.00-16.00					
16.00-17.00					
17.00-18.00		Supervision		Supervision	

3RD/4TH YEAR MODULES

<p>3A1 Fluid mechanics I</p> <p>3A5 Fluid mechanics II</p> <p>3A5 Thermodynamics and power generation</p> <p>3A6 Heat and mass transfer</p> <p>3B1 Radio frequency electronics</p> <p>3B2 Integrated digital electronics</p> <p>3B3 Switch-mode electronics</p> <p>3B4 Electric drive systems</p> <p>3B5 Semiconductor engineering</p> <p>3B6 Photonic technology</p> <p>3C1 Materials processing and design</p> <p>3C2 Materials process modelling and failure analysis</p> <p>3C3 Machine design - tribology</p> <p>3C4 Machine design - transmissions</p> <p>3C5 Dynamics</p> <p>3C6 Vibration</p> <p>3C7 Mechanics of solids</p> <p>3D1 Soil mechanics</p> <p>3D2 Geotechnical engineering</p> <p>3D3 Structural materials and design</p> <p>3D4 Structural analysis and stability</p> <p>3D5 Environmental engineering</p> <p>3D6 Environmental engineering II</p> <p>3D7 Finite element methods</p> <p>3E1 Business economics</p> <p>3E2 Marketing</p> <p>3E5 Human resource management</p> <p>3E6 Organisational behaviour and change</p> <p>3E8 Modelling data and dynamics in management</p> <p>3E9 Accounting and finance</p> <p>3F1 Signals and systems</p> <p>3F2 System identification</p> <p>3F3 Signal and image processing</p> <p>3F4 Data transmission</p> <p>3F5 Computer and network systems</p> <p>3F6 Software engineering and design</p> <p>3G1 Introduction to biocomp</p> <p>3G2 Biomaterial and biomechanics</p> <p>3G3 Physiological systems</p> <p>3G4 Neuroscience I: theoretical</p> <p>3G5 Principles of natural and artificial sensing</p> <p>3I1 Data structures and algorithms</p>	<p>4A1 Nuclear power engineering</p> <p>4A2 Computational fluid dynamics</p> <p>4A3 Turbomachinery I</p> <p>4A4 Aeroelasticity and control</p> <p>4A7 Aerodynamics</p> <p>4A8 Environmental fluid mechanics</p> <p>4A9 Molecular thermodynamics</p> <p>4A10 Flow instability</p> <p>4A11 Turbomachinery II</p> <p>4A12 Turbulence</p> <p>4A13 Introduction to combustion</p> <p>4A14 Spatial aircraft initiative</p> <p>4B2 Power electronics and applications</p> <p>4B5 Nanotechnology</p> <p>4B6 Solid state devices and chemical/biological sensors</p> <p>4B7 VLSI design, technology and CAD</p> <p>4B8 Electronic system design</p> <p>4B10 Optoelectronic technologies</p> <p>4B11 Photonic systems</p> <p>4B13 Electronic sensors and instrumentation</p> <p>4B14 Solar-electronic power: generation and distribution</p> <p>4B15 Microwave communications in vehicles</p> <p>4B17 Photonics of molecular materials</p> <p>4B18 Advanced electronic devices</p> <p>4C1 Design against failure</p> <p>4C2 Designing with constraints</p> <p>4C3 Electrical and nano materials</p> <p>4C4 Design methods</p> <p>4C5 Design case studies</p> <p>4C6 Advanced linear vibration</p> <p>4C7 Random and non-linear vibration</p> <p>4C8 Applications of dynamics</p> <p>4C9 Continuum mechanics</p> <p>4C14 Engineering principles of the cell</p> <p>4C15 MEMS design</p> <p>4D1 Embedded systems</p> <p>4D2 Global engineering</p> <p>4D5 Foundation engineering</p> <p>4D6 Dynamics in civil engineering</p> <p>4D7 Concrete and masonry structures</p> <p>4D8 Pre-stressed concrete</p> <p>4D10 Structural steelwork</p> <p>4D11 Building physics</p>	<p>4D13 Architectural engineering</p> <p>4D14 Contaminated land and waste containment</p> <p>4D15 Sustainable water engineering</p> <p>4E1 Construction and management</p> <p>4E1 Technological innovation: research and practice</p> <p>4E4 Management of technology</p> <p>4E5 International business economics</p> <p>4E6 Accounting and finance</p> <p>4E7 Enterprise and business development</p> <p>4E8 Design and management of manufacturing systems</p> <p>4E9 Quantitative techniques in operations management</p> <p>4E11 Strategic management</p> <p>4E12 Project management</p> <p>4F1 Control system design</p> <p>4F2 Robust multivariable control</p> <p>4F3 Non-linear and predictive control</p> <p>4F5 Digital communications</p> <p>4F6 Signal detection and estimation</p> <p>4F7 Digital filters and spectrum estimation</p> <p>4F8 Image processing and image coding</p> <p>4F9 Medical imaging and 3D computer graphics</p> <p>4F10 Statistical pattern processing</p> <p>4G1 Speech processing</p> <p>4G2 Computer vision and robotics</p> <p>4G1 Computational and systems biology</p> <p>4G2 Neuroscience II: systems</p> <p>4G3 Biosensors</p> <p>4G4 Biomimetics</p> <p>4G5 Mechanisms of disease</p> <p>4M1 French</p> <p>4M2 German</p> <p>4M3 Spanish</p> <p>4M4 Japanese</p> <p>4M5 Mathematical problems for microsystems (MEMS)</p> <p>4M6 Surveying and drone</p> <p>4M12 Partial differential equations and variational methods</p> <p>4M13 Complex analysis and optimisation</p> <p>4M14 Sustainable development</p> <p>4I1 Real options for engineering systems</p> <p>4I2 Distribution networks: economics, market structures and strategies</p> <p>5R1 Stochastic processes and optimisation methods</p> <p>5R5 Advanced experimental methods in geomechanics</p> <p>5R11 Applications in MEMS</p>
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• 128 modules to choose from

• You choose 18 modules: 10 in year 3 and 8 in year 4

• At least 10 modules must be associated with your specialisation

• Modular structure offers great choice and flexibility