

MODULES TAKEN BY UNIVERSITY OF CAMBRIDGE STUDENTS

(information collated from Academic Year 2010/11 onwards.

Do note that some modules may have changed or are no longer on offer. For the latest information on modules offered to non-graduating students, please refer to <http://www.nus.edu.sg/registrar/info/ng/NG-Modules.pdf>)

Biomedical Engineering

Module Code	Module Name
BN3201	Introduction to Biomechanics
BN3202	Musculoskeletal Biomechanics
BN3301	Introduction to Biomaterials
BN3501	Equilibrium & Kinetic Bioprocesses
BN4202	Biofluids Dynamics
BN4203	Robotics in Rehabilitation
BN4402	Electrophysiology
BN4403	Cellular Bioengineering
BN4603	Biomedical Imaging Systems

Chemical Engineering

Module Code	Module Name
CN2125	Heat & Mass Transfer

Civil Engineering

Module Code	Module Name
CE2155	Structural Mechanics and Materials
CE3115	Geotechnical Engineering
CE3121	Transportation Engineering
CE3155	Structural Analysis
CE3132	Water Resources Engineering
CE3165	Structural Concrete Design
CE3166	Structural Steel Design and System
CE4257	Linear Finite Element Analysis
CE4258	Structural Stability and Dynamics

Electrical Engineering

Module Code	Module Name
EE2007	Microprocessor Systems
EE2022	Electrical Energy Systems
EE3031	Innovation & Enterprise I
EE3101	Digital Signal Processing
EE3103	Communications
EE3104C	Intro to RF and Microwave Sys & Circuits
EE3131C	Communication Systems
EE3208	Embedded Computer Systems Design
EE3304	Digital Control Systems
EE3331C	Feedback Control Systems
EE3406	Microelectronic Materials
EE3407	Analog Electronics
EE3408C	Integrated Analog Design
EE3431C	Microelectronic Materials and Devices
EE3501C	Power Electronics
EE3731C	Signal Processing Methods
EE4101	RF Communications
EE4113	Digital Communications & Coding
EE4131	Random Signals
EE4212	Computer Vision
EE4306	Distributed Autonomous Robotic Systems

EE4401	Optoelectronics
EE4413	Low-dimensional Electronic Devices
EE4415	Integrated Digital Design
EE4432	Devices for Electric Energy Generation
EE4502	Electrical Drives & Control
EE4510	Solar Photovol Energy Systems
EE4511	Sustainable Energy Systems
EE4603	Biomedical Imaging Systems

Engineering & Technology Management

Module Code	Module Name
MT5912	Frugal Innovation

Industrial & Systems Engineering

Module Code	Module Name
IE2105	Human Factors Engineering

Mechanical Engineering

Module Code	Module Name
ME2134	Fluids Mechanics I
ME2135	Intermediate Fluid Mechanics
ME3101	Mechanical Systems Design I
ME3102	Mechanical Systems Design II
ME3103	Mechanical Systems Design
ME3122	Heat Transfer
ME3162	Manufacturing Processes
ME3211	Mechanics of Solids
ME3232	Compressible Flow
ME3233	Unsteady Flow in Fluid Systems
ME3291	Numerical Methods in Engineering
ME4223	Thermal Environmental Engineering
ME4226	Energy & Thermal Systems Analysis
ME4231	Aerodynamics
ME4234	Experimental Methods in Fluid Mechanics
ME4241	Aircraft Performance and Stability
ME4253	Biomaterials Engineering
ME4255	Materials Failure
ME4291	Finite Element Analysis
ME5309	Aircraft Engines and Rocket Propulsion

Materials Science and Engineering

Module Code	Module Name
MLE3104	Polymeric and Composite Materials

Modules from Other Faculties/Schools

Module Code	Module Name	Host Faculty/School
LAC1201	Chinese 1	Arts & Social Sciences
LAC2201	Chinese 2	Arts & Social Sciences
LAC3201	Chinese 3	Arts & Social Sciences
LAK2201	Korean 2	Arts & Social Sciences
SE3221	Traditional Music in a SE Asian Country	Arts & Social Sciences
MKT1003X	Marketing	Business
MA3238	Stochastic Process I	Science
MA3252	Linear & Network Optimisation	Science
MA3269	Mathematical Finance I	Science