First Year Electives / Disciplinary Electives FLEXIBILITY

There is now more flexibility with regard to choosing First Year electives.

You may have noticed that even though ELEC1111 and MMAN1300 are core courses, they are also included in the First Year Elective List.

This is because you can now take either (or both) of these courses as your Faculty First Year Electives and make up the units of credit by taking a Disciplinary Elective from the list below later in your degree. To accommodate your choice, you can move around courses taken later in your stream (within the bounds of pre-requisites and the stage you are at of your degree).

School approval is required prior to enrolment in the following postgraduate level courses - *MANF6860, *MANF9400,*MANF9420, *MANF9472,*MECH9325,*MECH9420, *MECH9650, *MECH9720, *MECH9761

MECH

- MANF6860 - Strategic Manufacturing Management (6 UOC)
- MANF9400 - Industrial Management (6 UOC)
- MANF9420 - Operations and Supply Chain Management in Engineering (6 UOC)
- MANF9472 - Production Planning and Control (6 UOC)
- MECH4305 - Fundamental and Advanced Vibration Analysis (6 UOC)
- MECH4320 - Engineering Mechanics 3 (6 UOC)
- MECH4620 - Computational Fluid Dynamics (6 UOC)
- MECH4880 - Refrigeration and Air Conditioning 1 (6 UOC)
- MECH4900 - Mechanics of Fracture and Fatigue (6 UOC)
- MECH9325 - Fundamentals of Acoustics & Noise (6 UOC)
- MECH9420 - Composite Materials and Mechanics (6 UOC)
- MECH9650 - Introduction to Micro Electromechanical Systems (6 UOC)
- MECH9720 - Solar Thermal Energy Design (6 UOC)
- MECH9761 - Automobile Engine Technology (6 UOC)
- MMAN4410 - Finite Element Methods (6 UOC)
- NAVAL4140 - Design of Yachts (6 UOC)

MANF

- MANF6860 - Strategic Manufacturing Management (6 UOC)
- MANF9400 - Industrial Management (6 UOC)
- MANF9420 - Operations and Supply Chain Management in Engineering (6 UOC)
- MANF9472 - Production Planning and Control (6 UOC)
- MECH9420 - Composite Materials and Mechanics (6 UOC)
- MECH9650 - Introduction to Micro Electromechanical Systems (6 UOC)
- MECH9720 - Solar Thermal Energy Design (6 UOC)
- MECH9761 - Automobile Engine Technology (6 UOC)
- MMAN4410 - Finite Element Methods (6 UOC)
- MTRN4030 - Optimisation Methods for Engineering Systems (6 UOC)

MTRN

- MANF6860 - Strategic Manufacturing Management (6 UOC)
- MANF9400 - Industrial Management (6 UOC)
- MANF9420 - Operations and Supply Chain Management in Engineering (6 UOC)
- MANF9472 - Production Planning and Control (6 UOC)
• MECH4305 - Fundamental and Advanced Vibration Analysis (6 UOC)
• MECH4320 - Engineering Mechanics 3 (6 UOC)
• MECH4620 - Computational Fluid Dynamics (6 UOC)
• MECH4880 - Refrigeration and Air Conditioning 1 (6 UOC)
• MECH4900 - Mechanics of Fracture and Fatigue (6 UOC)
• MECH9325 - Fundamentals of Acoustics & Noise (6 UOC)
• MECH9420 - Composite Materials and Mechanics (6 UOC)
• MECH9650 - Introduction to Micro Electromechanical Systems (6 UOC)
• MECH9720 - Solar Thermal Energy Design (6 UOC)
• MMAN2600 - Fluid Mechanics (6 UOC)
• MMAN2700 - Thermodynamics (6 UOC)
• MMAN3400 - Mechanics of Solids 2 (6 UOC)
• MMAN4410 - Finite Element Methods (6 UOC)

AERO

• AERO9500 - Space Systems Architectures and Orbits (6 UOC)
• AERO9610 - The Space Segment (6 UOC)
• MECH4305 - Fundamental and Advanced Vibration Analysis (6 UOC)
• MECH4320 - Engineering Mechanics 3 (6 UOC)
• MECH4620 - Computational Fluid Dynamics (6 UOC)
• MECH4900 - Mechanics of Fracture and Fatigue (6 UOC)
• MECH9420 - Composite Materials and Mechanics (6 UOC)
• MECH9650 - Introduction to Micro Electromechanical Systems (6 UOC)
• MMAN4410 - Finite Element Methods (6 UOC)