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Course Profile for 2023/4

Course:	ENERGY ENGINEERING (BENG) (U1H800301)
School:	ENGINEERING
Director:	DR ELENi KAPLANI

Year 1U

Core Modules (120 credits)

Module	Description	Assessment	Credits	Period	Sub-slot
ENG-4007Y	ENGINEERING DESIGN AND PRACTICE	CA	40	YEAR	U
ENG-4008Y	ENGINEERING PRINCIPLES AND ANALYSIS	CW	60	YEAR	U
MTHB4010Y	MATHEMATICAL METHODS FOR SCIENCE AND ENGINEERING	WW	20	YEAR	D

Year 2U

Core Modules (100 credits)

Module	Description	Assessment	Credits	Period	Sub-slot
ENG-5003Y	ENGINEERING DESIGN PROJECT	WW	20	YEAR	U
ENG-5002B	RENEWABLE ENERGY	CW	20	SEM2	A
CMP-5027A	ANALOGUE AND DIGITAL ELECTRONICS	CW	20	SEM1	B
MTHB5010A	MATHEMATICS FOR SCIENTISTS B	WW	20	SEM1	C
ENG-5006Y	MECHANICAL CONCEPTS AND APPLICATIONS	WW	20	YEAR	U

Options Range A

Students will select 20 credits from the following modules:

Module	Description	Assessment	Credits	Period	Sub-slot
CMP-5020B	PROGRAMMING FOR NON-SPECIALISTS	WW	20	SEM2	C
ENG-5004B	DYNAMICS AND VIBRATION	WW	20	SEM2	D
ENG-5005Y	ELECTRICAL POWER ENGINEERING	WW	20	YEAR	U

Year 3U

Core Modules (40 credits)

Module	Description	Assessment	Credits	Period	Sub-slot
ENG-6008Y	ENGINEERING MAJOR PROJECT	CP	40	YEAR	U

Options Range A

Students will select 20 credits from the following modules:

Module	Description	Assessment	Credits	Period	Sub-slot
ENG-6010A	SOLAR ENERGY ENGINEERING	CW	20	SEM1	A
ENG-6011B	NUCLEAR ENGINEERING AND TECHNOLOGY	WW	20	SEM2	C

Options Range B

Students will select 60 credits from the following modules:

Module	Description	Assessment	Credits	Period	Sub-slot
ENG-6006B	STRESS ANALYSIS AND DESIGN	WW	20	SEM2	
ENG-6007A	CONTROL SYSTEMS	WW	20	SEM1	B
ENG-6009B	ELECTRICAL DRIVES AND ENERGY STORAGE	WW	20	SEM2	U
ENG-6010A	SOLAR ENERGY ENGINEERING	CW	20	SEM1	A

Module	Description	Assessment	Credits	Period	Sub-slot
ENG-6011B	NUCLEAR ENGINEERING AND TECHNOLOGY	WW	20	SEM2	C
ENV-6004A	MODELLING ENVIRONMENTAL PROCESSES	CP	20	SEM1	C

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