UNIVERSITY OF CAPE TOWN
POSTGRADUATE NUCLEAR POWER ENGINEERING COURSES

TIMETABLE FOR THE PROGRAMMES – 2018 24Jan2018

(Outage dates at Koeberg included)

Registration

Registration from 2018 will be online. Details will be distributed separately – no intro lecture.

Full-time students can complete the programme in one academic year. Students register for all the lectured courses and the project, or may do the project during a second year.

Part-time students register for and attend only as many courses they have time for in each academic year. They register for the project only in the second or a later year.

Lectured courses

The lectured courses of the first semester start in February. They are presented in intensive 1-week blocks of lectures, preceded by reading assignments and followed by seminars, workshops and assignment submissions. The courses end with a set of exams, after which the second semester courses start immediately, following a similar pattern and with exams at the end of the second semester.

This year we are trying a new arrangement of the courses in each lecture week, to reduce slightly the number of blocks that part-time students will attend lectures.

Projects

Topics for projects and dissertations will be allocated on request and by discussion early in the year for students to work on them in parallel with the courses.

Students on the BSc(Hons) programme will complete in November, graduating in December. It is possible to complete in May instead. A project cannot be carried into the following year.

There is no specific date for the submission of Master's degree dissertations; they can be submitted until the re-registration date in February of the next academic year, otherwise registration for another year and a corresponding fees payment is necessary.

Suggested sequence of courses for part-time (2-year) students commencing now

Most part-time students plan to complete the degree in two years. Some second semester courses build on the content of first semester courses, so most part-time students commencing in 2018 should adopt the following programme. Alternative plans, such as where recognition is given for prior studies, can be followed.

The project can be taken in the second or third year.

Year	Course codes	Topic
2017	EEE4106Z EEE4107Z EEE4109Z / EEE5128Z EEE4111Z / EEE5130Z	Nuclear physics Thermodynamics Reactor design Regulation
2018	EEE4108Z MEC4111Z EEE4110Z / EEE5129Z	Elec-mech equipment Engg management Reactor safety

Detailed timetable of courses during intensive lecture weeks during 2018

Week	*Monday*	*Tuesday*	*Wednesday*	*Thursday*	*Friday*
?? Feb					
19-23 Feb	EEE4106Z	EEE4106Z	EEE4106Z	EEE4107Z	EEE4107Z
12-16 Mar	EEE4108Z	EEE4108Z	EEE4108Z	MEC4111Z	MEC4111Z
3-6 Apr	Public Holiday	EEE4106Z	EEE4106Z	EEE4107Z	EEE4107Z
22-27 Apr	EEE4108Z	EEE4108Z	MEC4111Z	MEC4111Z	Public Holiday
9-11 May			EEE4106Z	EEE4107Z	EEE4107Z
14-15 May	EEE4108Z	MEC4111Z			
Exams: 4/7/ 12/15 Jun	EEE4106Z			EEE4107Z	
		EEE4108Z			MEC4111Z
16-20 Jul	EEE4109Z EEE5128Z	EEE4109Z EEE5128Z	EEE4109Z EEE5128Z	EEE4111Z EEE5130Z	EEE4111Z EEE5130Z
6-8 Aug	EEE4110Z EEE5129Z	EEE4110Z EEE5129Z	EEE4110Z EEE5129Z	Public holiday	No lecture
27-31 Aug	EEE4109Z EEE5128Z	EEE4109Z EEE5128Z	EEE4111Z EEE5130Z	EEE4111Z EEE5130Z	EEE4111Z EEE5130Z
17-21 Sep	EEE4110Z EEE5129Z	EEE4110Z EEE5129Z	EEE4110Z EEE5129Z	EEE4109Z EEE5128Z	EEE4111Z EEE5130Z
8-12 Oct	EEE5128Z	EEE5128Z ½ EEE5130Z ½	EEE5130Z	EEE5129Z	EEE5129Z ½
15 Oct	Submit E4112Z proj				
Exams: 31 Oct, 6, 9 Nov			EEE4110Z EEE5129Z		
		EEE4109Z EEE5128Z			EEE4111Z EEE5130Z

Dates in red indicate period of proposed Koeberg outage

Research project submission dates

Course	**EEE4112Z**	**EEE5004Z and END5037Z**
Submission of project/dissertation by	**15 Oct 2018**	01 Feb 2019

Course codes

Number	*Course*	*HEQF Credits*	*HEQF Level*
EEE4106Z	Introductory nuclear physics and radiation for power supply	16	08
EEE4107Z	Thermodynamics for nuclear power stations	16	08
EEE4108Z	Electrical and mechanical equipment in nuclear power stations	16	08
MEC4111Z	Nuclear manufacturing and construction engineering management	12	08
EEE4109Z	Theory and design of nuclear reactors	16	08
EEE4110Z	Operation and safety of nuclear reactors	16	08
EEE4111Z	Regulatory standards for nuclear power	16	08
EEE5128Z	Nuclear reactor theory and design	20	09
EEE5129Z	Nuclear reactor operation and safety	20	09
EEE5130Z	Regulatory requirements for nuclear power stations	20	09
EEE4112Z	Honours project	40	08
EEE5004Z	Minor Dissertation 60 (MEng)	60	09
END5037Z	Minor Dissertation 60 (MPhil)	60	09