

**NTEC Module N01 – Reactor Physics, Design & Criticality**  
**2<sup>nd</sup> December to 6<sup>th</sup> December 2019**

Time	Monday	Tuesday	Wednesday	Thursday	Friday
09.00 to 10.00	Welcome to the University Engineering G33	Neutron Transport DF Engineering G29	Neutron Transport DF Howarth 203	Reactor Kinetics PN Engineering G33	Reactor Accidents DF Engineering G36
	Reactor Systems Refresher PN Engineering G33				
10.00 to 11.00	Reactor Physics Refresher DF Engineering G33	Reactor Physics CW Engineering G29	Reactor Physics CW Howarth 203	Reactor Kinetics PN Engineering G33	Reactor Accidents DF Engineering G36
11.00 to 12.00	Reactor Systems KH Engineering G33	Reactor Systems KH Engineering G29	Neutron Transport DF Watson LTB	Reactor Kinetics PN Engineering G29	Reactor Simulations MB Engineering G36
Noon to 13.00	Lunch	Lunch	Lunch	Reactor Kinetics PN Engineering G29	Reactor Simulations MB Engineering G36
13.00 to 14.00	Reactor Systems KH Engineering G33	Reactor Systems KH Engineering G29	Neutron Transport DF Watson LTB	Reactor Kinetics PN Engineering G29	
14.00 to 15.00	Reactor Systems KH Engineering G33	Reactor Systems KH Engineering G29	Neutron Transport DF Watson LTB	Reactor Kinetics PN Engineering G29	
	Break	Break	Break	Break	
15.00 to 16.00	Reactor Physics CW Engineering G33	Neutron Transport DF Engineering G29	Reactor Kinetics PN Watson LTB	Reactor Kinetics PN Engineering G29	
16.00 to 17.00	Reactor Systems KH Engineering G33	Reactor Systems KH Engineering G29	Tutorial PN Watson LTB	Problem Solving PN Engineering G29	

**Notes to Students**

Unless otherwise stated all lectures start on the hour and finish at 10 minutes to the next hour.

**Lecturers**

Reactor Systems Refresher	1 hr	Dr Paul Norman
Reactor Physics Refresher	1 hr	Dr David Forest
Neutron Transport	5 hrs	Dr David Forest
Reactor Kinetics	5 hrs	Dr Paul Norman
Reactor Physics	5 hrs	Dr Carl Wheldon
Reactor Systems & Design (Graphite reactors)	1.5 hrs	Prof Kevin Hesketh
Reactor Systems & Design (Fast reactors)	1 hr	Prof Kevin Hesketh
Reactor Systems & Design (Water-based systems)	3.5 hrs	Prof Kevin Hesketh
Reactor Accidents	4 hrs	Dr David Forest
Reactor Simulations	2 hrs	Dr Mengqi Bai
Tutorials	2 hrs	Dr Paul Norman

**Venues**

Monday	2 Dec:	Engineering G33 (Building Y3)
Tuesday	3 Dec:	Engineering G29 (Building Y3)
Wednesday	4 Dec:	Howarth 203 (Building Y2) 09:00 – 12:00 Watson Lecture Theatre B (Building R15) 13:00 – 17:00
Thursday	5 Dec:	Engineering G33 (Building Y3) 09:00 – 13:00 Engineering G29 (Building Y3) 14:00 – 17:00
Friday	6 Dec:	Engineering G36 (Building Y3)

**During the Module**

If you require any assistance during the week please contact Dr David Forest (module co-ordinator) or Rebecca Ball (module administrator, Tel: 0121 415 8750), who will both be on hand to help as required.