UNIVERSITY OF BIRMINGHAM

School of Physics & Astronomy

NTEC Nuclear Technology Education Consortium
Educating the nuclear workforce since 2005.

NTEC Module N01 – Reactor Physics, Design & Criticality
27th November to 1st December 2023

Time	Monday	Tuesday	Wednesday	Thursday	Friday
09.00 to 10.00	09:30: Welcome to the University **Gisbert Kapp N225**	Neutron Transport Dr David Forest **Gisbert Kapp NG15**	Neutron Transport Dr David Forest **University House G12**	Reactor Accidents Dr David Forest **Gisbert Kapp N225**	Reactor Accidents Dr David Forest **Strathcona LT7**
10.00 to 11.00	Reactor Systems Refresher Prof Paul Norman **Gisbert Kapp N225**	Reactor Systems Prof Kevin Hesketh **Gisbert Kapp NG15**	Reactor Physics Prof Carl Wheldon **University House G12**	Reactor Physics Prof Carl Wheldon **Gisbert Kapp N225**	Problem Solving Prof Paul Norman **Strathcona LT7**
11.00 to 12.00	Reactor Physics Refresher Dr David Forest **Gisbert Kapp N225**	Reactor Systems Prof Kevin Hesketh **Gisbert Kapp NG15**	Reactor Physics Prof Carl Wheldon **University House G12**	Reactor Physics Prof Carl Wheldon **Gisbert Kapp N225**	Problem Solving Prof Paul Norman **Strathcona LT7**
Noon to 13.00	Lunch	Lunch	Lunch	Lunch	
13.00 to 14.00	Reactor Systems Prof Kevin Hesketh **Aston Webb 117**	Reactor Systems Prof Kevin Hesketh **Gisbert Kapp NG15**	Reactor Physics Prof Carl Wheldon **University House G12**	Reactor Accidents Dr David Forest **Gisbert Kapp NG15**	
14.00 to 15.00	Reactor Systems Prof Kevin Hesketh **Aston Webb 117**	Reactor Systems Prof Kevin Hesketh **Gisbert Kapp NG15**	Neutron Transport Dr David Forest **University House G12**	Reactor Accidents Dr David Forest **Gisbert Kapp NG15**	
	Break	Break	Break	Break	
15.00 to 16.00	Neutron Transport Dr David Forest **Aston Webb 117**	Reactor Kinetics Prof Paul Norman **Gisbert Kapp NG15**	Reactor Kinetics Prof Paul Norman **University House G12**	Reactor Kinetics Prof Paul Norman **Gisbert Kapp NG15**	
16.00 to 17.00	Neutron Transport Dr David Forest **Aston Webb 117**	Reactor Kinetics Prof Paul Norman **Gisbert Kapp NG15**	Reactor Kinetics Prof Paul Norman **University House G12**	Reactor Kinetics Prof Paul Norman **Gisbert Kapp NG15**	

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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	Prof Paul Norman
Reactor Physics Refresher	1 hr	Dr David Forest
Neutron Transport	5 hrs	Dr David Forest
Reactor Kinetics	6 hrs	Prof Paul Norman
Reactor Physics	5 hrs	Prof Carl Wheldon
Reactor Systems & Design (Graphite reactors)	2 hrs	Prof Kevin Hesketh
Reactor Systems & Design (Water reactors)	2 hrs	Prof Kevin Hesketh
Reactor Systems & Design (Fast/Next Generation)	2 hrs	Prof Kevin Hesketh
Reactor Accidents	4 hrs	Dr David Forest
Problem Solving	2 hrs	Prof Paul Norman

Venues

Monday	27 Nov:	Gisbert Kapp N225 (Building G8) 09:00 – 12:00
		Aston Webb 117 (Building R6) 13:00 – 17:00
Tuesday	28 Nov:	Gisbert Kapp NG15 (Building G8)
Wednesday	29 Nov:	University House G12 (Building O3)
Thursday	30 Nov:	Gisbert Kapp N225 (Building G8) 09:00 – 12:00
		Gisbert Kapp NG15 (Building G8) 13:00 – 17:00
Friday	1 Dec:	Strathcona LT7 (Building R18)

During the Module

If you require any assistance during the week please contact Dr David Forest (module lead)