

# ANSTO – HZB Neutron Training Course 2024 Program

Sunday 27 October 2024				
12:00	13:15	Registration and lunch		B72 Nandin Atrium
13:15	13:30	Welcome and house keeping		B72 Hot cells
13:30	14:30	Theory lecture 1: Introduction to Neutron Scattering I	Prof Dr Bella Lake	B72 Hot cells
14:30	15:30	Theory lecture 2: Introduction to Neutron Scattering II	Prof Dr Bella Lake	B72 Hot cells
15:30	16:00	Afternoon tea		B72 Nandin Atrium
16:00	17:00	Theory lecture 3: Neutron Sources, Optics, and Detectors	Dr Jamie Schulz	B72 Hot cells
17:15		Bus departs for Rydges hotel		Discovery Centre
Monday 28 October 2024				
9:00	9:30	Security badge collection		B38 Reception
9:30	11:45	NGH & RBH inductions / laboratory inductions (includes time for morning tea)		User Office, Dr Deb Wakeham
11:45	12:00	Welcome and introduction to AINSE		B83 lecture theatre
12:00	13:00	Theory lecture 4: Deuteration	Dr Carl Rescei	B83 lecture theatre
13:00	14:00	Lunch		ANSTO Cafeteria
14:00	15:00	Theory lecture 5: Neutron reflectometry	Dr Sebastian Risse	B72 Hot cells
15:00	16:00	Theory lecture 6: Small-angle neutron scattering	Dr Anna Sokolova	B72 Hot cells
16:00	16:30	Afternoon tea		B72 Nandin Atrium
16:30	17:30	Applications lecture 1: Neutrons for Biology	Dr Kathleen Wood	B72 Hot cells
17:30	20:00	Poster session (with dinner)		ANSTO Cafeteria
20:15		Bus departs for Rydges hotel		Discovery Centre
Tuesday 29 October 2024				
9:00	10:00	Applications lecture 2: Neutrons for Battery Materials	Dr Sebastian Risse	B72 Hot cells
10:00	10:30	Morning tea		B72 Nandin Atrium
10:30	11:30	Theory lecture 7: Crystallography and Diffraction	Prof Dr Susan Schorr	B72 Hot cells
11:30	12:30	Theory lecture 8: Residual stress diffraction and strain scanning	Dr Mark Reid	B72 Hot cells
12:30	13:30	Lunch		ANSTO Cafeteria
13:30	14:30	Applications lecture 3: Neutrons for Energy Materials	Prof Dr Susan Schorr	B72 Hot cells
14:30	15:30	Theory lecture 9: Inelastic neutron scattering	Dr Kirrily Rule	B72 Hot cells

## Tuesday 29 October 2024 Continued

15:30	16:00	Afternoon tea		B72 Nandin Atrium
16:00	17:00	Theory lecture 10: Quasi-elastic neutron scattering	Dr Dehong Yu	B72 Hot cells
17:15		Bus departs for Rydges hotel		Discovery Centre


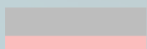
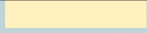
## Wednesday 30 October 2024

9:00	10:00	Theory lecture 11: Polarised neutrons	Dr Andrew Manning	B83 lecture theatre
10:00	11:00	Applications lecture 4: Neutrons for Magnetism	Prof Dr Bella Lake	B83 lecture theatre
11:00	11:30	Morning tea		B83 Meal room
11:30	12:30	Theory lecture 12: Neutron Imaging, Radiography, and Tomography	Dr Joseph Bevitt	B83 lecture theatre
12:30	13:30	Lunch		B83 Meal room
13:30	17:00	Practical 1 (includes 30 minutes for afternoon tea)	Practical Tutors	B82 NGH & RBH
17:15		Bus departs for Rydges hotel		Discovery Centre

## Thursday 31 October 2024

9:00	12:30	Practical 2 (includes 30 minutes for morning tea)	Practical Tutors	B82 NGH & RBH
12:30	13:30	Lunch		B83 Meal room
13:30	17:00	Practical 3 (includes 30 minutes for afternoon tea)	Practical Tutors	B82 NGH & RBH
17:30		Coach departs Lucas Heights for South Cronulla		Discovery Centre
18:00	22:00	Gala dinner		South Cronulla
22:00	22:30	Walk to hotel		

## Friday 1 November 2024

9:00	10:00	Applications lecture 5: Industrial applications of neutrons	Dr Helen Qiu	B72 Hot cells
10:00	11:00	Sample environment lecture	Mr Tim D'Adam	B72 Hot cells
11:00	11:30	Morning tea		B72 Nandin Atrium
11:30	12:30	Theory lecture 13: Computation and analysis	Dr Pablo Galviz	B72 Hot cells 
12:30	13:30	Lunch		ANSTO Cafeteria
13:30	14:30	Applications lecture 6: Neutrons for Soft Matter	A./Prof Stuart Prescott	B72 Hot cells
14:30	15:30	Proposal writing tutorial	Dr Karyn Wilde and Dr Helen Maynard-Casely	B72 Hot cells 
15:30	15:45	Closing remarks	Dr Jamie Schulz, Dr Anton Le Brun & Dr Helen Maynard-Casely	B72 Hot cells 
16:00		Bus departs for Sutherland Station		Discovery Centre