

2024/2025 N06 Timetable

All lecture notes and PowerPoint files will be uploaded to Blackboard. Each teaching day will start at 9-10 (am) and end by 5 pm (Wed. @ 5.30 pm), with a 1 hr break for lunch. There is no lunch break on Friday, to allow you to leave the campus earlier. Feel free and bring a snack/food into the lecture on Friday. All lectures are taking place in the Conference Rooms A + B (2.58 and 2.59) (**Schuster building**).

Day	Time	Lecturer	Subject
Mon. 14.10.2024	9 – 9.30 am	EP	Welcome & Overview
	9.30 – 12.00	EP	Introduction to Materials Science & Engineering
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	1 – 3 pm	FS	Stainless Steels
	3 – 5 pm	EP	Reactor Materials (Carbon Steels / Ferritic)
Tue. 15.10.2024	9 – 10 am	DE	Nickel-base Alloys & Superalloys
	10 – 12 am	JT	Nuclear Fuels
	-	-	-
	1 – 3 pm	DE	Characterisation Techniques
	3 – 5 pm	MS	Welding & Joining (ONLINE)
Wed. 16.10.2024	10 – 1 pm	XZ	Graphite and Irradiation Effects
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	2 – 4 pm	PE	Irradiation Effects on Materials
	4 – 5.30 pm	AD	Reactor Materials and Structural Integrity Requirements for Nuclear Component Justifications
Thu. 17.10.2024	9 – 11 am	DE	Corrosion Science & Engineering
	11 – 1 pm	DE	Environment Assisted Cracking & Hydrogen
	-	-	-
	2 – 5 pm	KL / DL	Fuel Cladding Material (Zirconium)
Fri. 18.10.2024	9 - 1 pm	FS	Structural Integrity Workshop
	1 -2 pm	DE	N06 – Discussion & Feedback

Lecturers

DE Dirk Engelberg dirk.engelberg@manchester.ac.uk (Professor - Metallurgy & Corrosion)
 FS Fabio Scenini fabio.scenini@manchester.ac.uk (Professor - Metallurgy & Corrosion)
 EP Ed Pickering ed.pickering@manchester.ac.uk (Metallurgy & Corrosion)
 XZ Xun Zhang xun.zhang@manchester.ac.uk (Nuclear Graphite Research Group)
 JT Joel Turner joel.turner@manchester.ac.uk (Nuclear Fuels Centre of Excellence)
 MS Mike C Smith mike.c.smith@manchester.ac.uk (Professor - Modelling and Simulation Centre)
 PE Philip Edmondson philip.edmondson@manchester.ac.uk (Professor Tritium Science & Technology)
 KL/DL Kieran Lynch kieran.lynch@manchester.ac.uk / David Lunt dave.lunt@ukaea.uk (UKAEA)
 AD Davison, Andrew andrew.davison1@jacobs.com (Jacobs)