

Day	Time	Lecturer	Subject
Mon. 16.10.2023	9 – 9.30 am 9.30 – 12.30 - 1.30 – 3 pm 3 – 5 pm	EP EP - EP FS	Welcome & Overview Introduction to Materials Science & Engineering - Reactor Materials (Carbon Steels / Ferritic) Stainless Steels
Tue. 17.10.2023	9 – 10 am 10 – 11 am 11 – 12 noon - 1 – 3 pm 3 – 5 pm	DE DE AC - DE MS	Nickel-base Alloys Characterisation Techniques Application: Microstructure Characterisation - Corrosion Science & Engineering Welding & Joining (ONLINE)
Wed. 18.10.2023	10 – 1 pm - 2 – 3.30 pm 3.30 – 5 pm	XZ - EJM AD	Graphite and Irradiation Effects - Irradiation Effects on Materials Reactor Materials and Structural Integrity Requirements for Nuclear Component Justifications
Thu. 19.10.2023	9.30 – 11 am 11 – 1 pm - 2 – 5 pm	DE TA - RT	Environment Assisted Cracking & Hydrogen Nuclear Fuels - Fuel Cladding Material (Zirconium)
Fri. 20.10.2023	9 - 1 pm - 1 - 2 pm	FS - JW	Structural Integrity II/Workshop - Non-Destructive Testing & Evaluation (Jacobs)

Lecturers

DE Dirk Engelberg dirk.engelberg@manchester.ac.uk (Materials Performance Centre)
FS Fabio Scenini fabio.scenini@manchester.ac.uk (MPC)
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EP Ed Pickering ed.pickering@manchester.ac.uk (MPC)
EJM Enrique Jimenez-Melero enrique.jimenez-melero@manchester.ac.uk (MPC)
XZ Xun Zhang xun.zhang@manchester.ac.uk (Nuclear Graphite Research Group)
TA Tim Abram tim.abram@manchester.ac.uk (Nuclear Fuels Centre of Excellence)
AC Alexander Carruthers alexander.carruthers@manchester.ac.uk (Materials, MPC)
AD Davison, Andrew andrew.davison1@jacobs.com (Jacobs)
MS Mike C Smith mike.c.smith@manchester.ac.uk (Modelling and Simulation Centre)
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