

N03 Radiation & Radiological Protection – (BL Version)

5th – 9th October 2020

Module lecturers: Gavin Smith (AGS), Kieran Flanagan (KTF), Stuart Christie (SC)
Laboratory: Toby Wright (TW), Demonstrators: (SB)

Radiation users please note: Radioactive sources will be used in the laboratory

Recorded Lectures DL: Distance learning versions of lecture material with questions

Timetable

Monday 5th October

09:00 – 09:30 [Welcome and Introduction](#) (Live Session - AGS)
09:30 – 10:30 Recorded Lectures DL (Sections 1&2)
10:30 – 11:00 [Coffee break Q&A](#) (Live Session with AGS)
11:00 – 11:45 Recorded Lectures DL (Sections 1&2)
11:45 – 12:30 Recorded Lectures DL (Sections 1&2)
12:30 – 13:30 Lunch
13:30 – 14:20 Recorded Lecture DL– (Section 3 KTF)
14:20 – 14:50 Introduction to Laboratory (TW) (Live Session): <https://zoom.us/j/92435965317>
14:50 – 15:40 Recorded Lecture DL (Sections 7, 8, 9)
15:40 – 16:10 [Coffee break Q&A](#) (Live Session with AGS & SC & KTF)
16:10 – 17:00 Recorded Lecture DL (Sections 9&10, note these should be continued on the 6th)

Tuesday 6th October

09:00 – 09:50 Recorded Lecture DL (Sections 9&10)
09:50 – 10:40 Recorded Lecture DL (Sections 11&12)
10:40 - 11:00 [Coffee break Q&A](#) (AGS)
11:00 – 13:00 Laboratory 1 & directed reading (with a break for lunch) (Live Session): <https://zoom.us/j/92435965317>
13:00 – 14:00 Lunch
14:00 – 15:00 Lab 1 (cont'd)
15:00 – 15:10 [Coffee break Q&A](#) (Live Session with AGS)
15:10 – 18:10 Space Batteries briefing (TW) (Live Session) 20 mins: <https://zoom.us/j/92435965317>
Tutorial; complete pre-course question sheet (AGS) (Live Session in [Coffee Area](#) with consultations in [Office](#))
Space Batteries (group work in [Coffee Area](#))
Before 6:10 pm Submit pre-course answer sheet by Blackboard

Wednesday 7th October

09:00 – 10:00 Recorded Lecture DL (Section 4 KTF)
10:00 – 13:00 Laboratory 2 & Directed Reading <https://zoom.us/j/92435965317>
Mid-morning [Coffee break Q&A](#) (Live Session with TW)
13:00 – 14:00 Lunch

14:00 – 15:00 Recorded Lecture by Rick Hallard
Radiological protection in the nuclear industry
15:00 – 18:00 Presentations (Groups 1a, 1b, 2a, 2b) (Group 1 AGS/ Group 2
SC);
Space batteries exercise (Group working)

Thursday 8th October

09:00 – 11:30 Lab analysis & Space Batteries: <https://zoom.us/j/92435965317>
[Coffee break Q&A](#) as required (TW)
11:30 – 12:30 [Zoom Lecture by Zahid Riaz](#) (Office of Nuclear
Regulation) <https://zoom.us/j/92435965317>
Radiation Shielding
12:30 – 13:30 Lunch
13:30 – 14:30 [Zoom Lecture by Prof. Richard
Wakeford](#) (SC): <https://zoom.us/j/96745775844>
Scientific evidence for risks to health from radiation
14:30 – 15:00 [Coffee break Q&A](#) with short IAEA film (Live Session with AGS)
15:00 – 18:00 [Workshop 1](#) (Live Session) (SC)

Friday 9th October

09:00 – 10:00 Recorded Lecture DL(Section 5 KTF)
10:00 – 10:45 Space batteries – discussion of results (TW) (Live
Session): <https://zoom.us/j/92435965317>
10:45 – 11:00 [Coffee break Q&A](#) (Live Session with KTF)
11:00 – 12:00 Recorded Lecture DL (Section 6)
12:30 – 13:30 Lunch
13.00 – 15.00 Workshop 2(Live
Session) (KTF) <https://zoom.us/j/92238782212>
15:30 – 16:00 [Coffee, Wrap up and Module Review](#) (AGS/SC/KTF) (Live
Session)