

NTEC Module 02 Nuclear Fuel Cycle 13th-17th February 2023

	09:15-10:00		10:15-11:00	11:15-12:00		13:00-13:45	14:00-14:45		15:15-16:00	16:15-1700
MON 13 th Feb	Introduction to NO2 Module		Introduction to Nuclear Fuel Cycle (NFC)	Nuclear Fuel Cycle Chemistry	Chat Session	Uranium Mining	[a] Economics of the NFC [b] Uranium Milling		[a] U ₃ O ₈ production [b] UOC Purification and Conversion	Enrichment and UF ₆ conversion to fuel Exercise Brief Library Support 17:00-18:00 NM
	EIC312		EIC312	EIC312		EIC312	EIC312		EIC312	EIC312
TUES 14 th Feb	Heysham Nuclear Power Plant Visit Arriving for 9am Start at 09:30		Tour of Nuclear Power Plant facilities	Nuclear Power Plant Fuel Route Journey lecture	Chat Session	Nuclear Used fuel return Journey Processes lecture	Heysham Nuclear Power Plant Visit End Return to Campus		Thorium Versus Uranium Seminar session	NFC related reactor accidents and lessons learnt
	EIC312		EIC312	EIC312		EIC312	EIC312		EIC312	EIC312
WED 15 th Feb	Introduction to Politics of Nuclear Power Session 1		Politics of Nuclear Power Session 2	Introduction to Non-Proliferation Session 3	Chat Session	Springfield fuel manufacturing processes for AGR/PWR Fuel Site Visit	Springfield fuel manufacturing processes for AGR/PWR Fuel Site Visit		Springfield fuel manufacturing processes for AGR/PWR Fuel Site Visit	Springfield fuel manufacturing processes for AGR/PWR Fuel Site Visit
	EIC312		EIC312	EIC312		EIC312	EIC312		EIC312	EIC312
THU 16 th Feb	Uranium Supply and Demand (4)		Spent Fuel [a] Reprocessing [b] management	Radioactive waste management	Chat Session	Benefits of Small Modular Reactors (SMR)/fuel	SMR/Fuel financial considerations		Criticality Containment The Design Intent Lecture	Criticality Containment The Design Intent Seminar
	EIC312		EIC312	EIC312		EIC312	EIC312		EIC312	EIC312
FRI 17 th Feb	Group Presentation 1,2		Group Presentation Group 3-4	Group Presentation Group 5		Assignment 1 Release Live session Q&A				
	EIC312		EIC312	EIC312						