



NATIONAL UNIVERSITY OF SCIENCES & TECHNOLOGY
U.S.-Pakistan Center for Advanced Studies in Energy
Timetable: MS – ESE Fall, 2022

Time/Day	Monday	Tuesday	Wednesday	Thursday	Friday
09:00 - 10:30 AM	Advanced Heat & Mass Transfer (TEE-815) Dr. Majid Ali Lecture Hall / Energy Resources & Technologies (ESE-821) Dr. Rabia Liaquat Core Seminar Hall	Advanced Thermodynamics (TEE-801) Dr. Sana Yaqub Lecture Hall	Advanced Heat & Mass Transfer (TEE-815) Dr. Majid Ali Seminar Hall	Functional Nanomaterials for Renewable Energy (ESE-829) Dr. Ghulam Ali CR-3	Environmental Issues of Fossil Fuel Power Plants (TEE-814) Dr. Mariam Mahmood CR-3
10:30 - 12:00 PM	Electrochemical Energy storage & Conversion (ESE-837) Dr. Naseem Iqbal CR-2	Energy & Climate Change (ESE-832) Dr. Abeera Ayaz Ansari – Lecture Hall / Energy Economics & Policy (ESE-813) Dr. Kafaitullah CR-2 / Power Distribution Systems (ESE-818) Dr. Muhammad Numan CR-3	Electrochemical Energy storage & Conversion (ESE-837) Dr. Naseem Iqbal CR-3 / Advanced Thermodynamics (TEE-801) Dr. Sana Yaqub Lecture Hall	Energy & Climate Change (ESE-832) Dr. Abeera Ayaz Ansari – Lecture Hall / Energy Economics & Policy (ESE-813) Dr. Kafaitullah CR-2 / Power Distribution Systems (ESE-818) Dr. Muhammad Numan CR-3	Energy Resources & Technologies (ESE-821) Dr. Rabia Liaquat Core Seminar Hall
12:00 - 01:30 PM	Environmental Issues of Fossil Fuel Power Plants (TEE-814) Dr. Mariam Mahmood CR-3		Functional Nanomaterials for Renewable Energy (ESE-829) Dr. Ghulam Ali CR-4	Materials Science & Engineering (ESE-835) Dr. Sehar Shakir Lecture Hall	
Lunch and Prayer Break (1:30 - 2:00 pm)					
02:00 - 03:30 PM	Clean Coal Technologies (ESE-800) CR-3 Dr. Asif Hussain	Materials Science & Engineering (ESE-835) Dr. Sehar Shakir Seminar Hall	Clean Coal Technologies (ESE-800) CR-2 Dr. Asif Hussain	Applied Solar Energy (ESE-804) Dr. Nadia Shahzad Core Lecture Hall	Conventional and Renewable Energy Power Plants (TEE-803) Dr. Asif Hussain CR-3
03:30 - 05:00 PM	Applied Solar Energy (ESE-804) Dr. Nadia Shahzad Core CR-3			Conventional and Renewable Energy Power Plants (TEE-803) Dr. Asif Hussain CR-3	



NATIONAL UNIVERSITY OF SCIENCES & TECHNOLOGY
U.S.-Pakistan Center for Advanced Studies in Energy
Timetable: MS – TEE Fall, 2022

Time/Day	Monday	Tuesday	Wednesday	Thursday	Friday
09:00 -10:30 AM	Advanced Heat & Mass Transfer (TEE-815) Dr. Majid Ali Core Lecture Hall	Advanced Thermodynamics (TEE-801) Dr. Sana Yaqub Core Lecture Hall	Advanced Heat & Mass Transfer (TEE-815) Dr. Majid Ali Core Seminar Hall		Environmental Issues of Fossil Fuel Power Plants (TEE-814) Dr. Mariam Mahmood CR-3
10:30 - 12:00 PM	Advanced Heating, Ventilation & Air conditioning System – HVAC (TEE-818) Dr. Muhammad Bilal Sajid CR-3	Energy & Climate Change (ESE-832) Dr. Abeera Ayaz Ansari – Lecture Hall/ Energy Economics & Policy (ESE-813) Dr. Kafaitullah CR-2	Advanced Thermodynamics (TEE-801) Dr. Sana Yaqub Core Lecture Hall	Energy & Climate Change (ESE-832) Dr. Abeera Ayaz Ansari – Lecture Hall/ Energy Economics & Policy (ESE-813) Dr. Kafaitullah CR-2	Advanced Heating, Ventilation & Air conditioning System – HVAC (TEE-818) Dr. Muhammad Bilal Sajid CR-3
12:00 - 01:30 PM	Environmental Issues of Fossil Fuel Power Plants (TEE-814) Dr. Mariam Mahmood CR-3	Solar Thermal Power Systems (TEE-823) CR-4 Dr. Mariam Mahmood	Solar Thermal Power Systems (TEE-823) CR-3 Dr. Mariam Mahmood	Materials Science & Engineering (ESE-835) Dr. Sehar Shakir Lecture Hall	
Lunch and Prayer Break (1:30 - 2:00 pm)					
02:00 - 03:30 PM	Clean Coal Technologies (ESE-800) Dr. Asif Hussain CR-3	Materials Science & Engineering (ESE-835) Dr. Sehar Shakir Seminar Hall	Clean Coal Technologies (ESE-800) CR-2 Dr. Asif Hussain		Conventional and Renewable Energy Power Plants (TEE-803) Dr. Asif Hussain CR-3
03:30 - 05:00 PM				Conventional and Renewable Energy Power Plants (TEE-803) Dr. Asif Hussain CR-3	



NATIONAL UNIVERSITY OF SCIENCES & TECHNOLOGY
U.S.-Pakistan Center for Advanced Studies in Energy
Timetable: MS – EE (Power) Fall, 2022

Time/Day	Monday	Tuesday	Wednesday	Thursday	Friday
09:00 -10:30 AM		Advanced Power Systems Protection (EEE-812) Dr. Kashif Imran CR-4	Electric Power Generation, Transmission and Distribution (EEE-815) Dr. Farasat Abbas CR-2		Advanced Power Systems Protection (EEE-812) Dr. Kashif Imran CR-2
10:30 - 12:00 PM	Power System Analysis (EE-863) - Core Dr. Syed Ali Abbas Kazmi Lecture Hall	Energy & Climate Change (ESE-832) Dr. Abeera Ayaz Ansari – Lecture Hall/ Energy Economics & Policy (ESE-813) Dr. Kafaitullah CR-2 / Power Distribution Systems (ESE-818) Dr. Muhammad Numan CR-3	Power System Operation, control & optimization (EEE-800) - Core Dr. Muhammad Yousif CR-2	Energy & Climate Change (ESE-832) Dr. Abeera Ayaz Ansari – Lecture Hall/ Energy Economics & Policy (ESE-813) Dr. Kafaitullah CR-2 / Power Distribution Systems (ESE-818) Dr. Muhammad Numan CR-3	Electric Power Generation, Transmission and Distribution (EEE-815) Dr. Farasat Abbas CR-4
12:00 - 01:30 PM	Power System Operation, control & optimization (EEE-800) - Core Dr. Muhammad Yousif CR-2	Electric Power Quality (EEE-811) Dr. Hassan Abdullah Khalid CR-2	Advanced Power System Stability & Transient Studies (EEE-802) Dr. Syed Ali Abbas Kazmi Core CR-2	Materials Science & Engineering (ESE-835) Dr. Sehar Shakir Lecture Hall/ High Voltage Engineering (EEE-817) Dr. Abraiz Khattak CR-4	
Lunch and Prayer Break (1:30 - 2:00 pm)					
02:00 - 03:30 PM	Advanced Power System Stability & Transient Studies (EEE-802) Dr. Syed Ali Abbas Kazmi Core Lecture Hall	Materials Science & Engineering (ESE-835) Dr. Sehar Shakir Seminar Hall/ High Voltage Engineering (EEE-817) Dr. Abraiz Khattak CR-4	Power System Analysis (EE-863) - Core Dr. Syed Ali Abbas Kazmi Lecture Hall	Electric Power Quality (EEE-811) Dr. Hassan Abdullah Khalid CR-2	
03:30 - 05:00 PM					