



NATIONAL UNIVERSITY OF SCIENCES & TECHNOLOGY
U.S.-Pakistan Center for Advanced Studies in Energy
Timetable: MS – ESE Fall, 2023

Time/Day	Monday	Tuesday	Wednesday	Thursday	Friday
09:00 - 10:30 AM	Energy Resources & Technologies (ESE-821) Dr. Rabia Liaquat Core Seminar Hall / Advanced Heat & Mass Transfer (TEE-815) Dr. Majid Ali Lecture Hall	Energy from Biomass: (Thermochemical Processes) (ESE-827) Dr. Muhammad Hassan CR-4 Advanced Thermodynamics (TEE-801) Dr. Sana Yaqub Lecture Hall	Photocatalysis Advancement and Applications (ESE-907) Dr. Mustafa Anwar CR-3 / Advanced Heat & Mass Transfer (TEE-815) Dr. Majid Ali Seminar Hall	Functional Nanomaterials for Renewable Energy (ESE-829) Dr. Ghulam Ali CR-3	Energy from Biomass: (Thermochemical Processes) (ESE-827) Dr. Muhammad Hassan 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	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 Resources & Technologies (ESE-821) Dr. Rabia Liaquat Core Seminar Hall
12:00 - 01:30 PM	Environmental Impact Assessment (ESE-819) Dr. Abeera Ayyaz Ansari CR-3 / Computational Fluid Dynamics for Thermal Energy Systems (TEE-817) Dr. Qazi Shahzad Ali CR-3	Materials Science and Engineering (ESE-835) Dr. Sehar Shakir Lecture Hall	Functional Nanomaterials for Renewable Energy (ESE-829) Dr. Ghulam Ali CR-4 / Conventional and Renewable Energy Power Plants (TEE-803) Dr. Muhammad Bilal Sajid CR-3	Materials Science and Engineering (ESE-835) Dr. Sehar Shakir Lecture Hall	
Lunch and Prayer Break (1:30 - 2:00 pm)					
02:00 - 03:30 PM	Development and Evaluation of Energy Projects (ESE-816) Dr. Kafaitullah CR-3/ Conventional and Renewable Energy Power Plants (TEE-803) Dr. Muhammad Bilal Sajid CR-3	Photocatalysis Advancement and Applications (ESE-907) Dr. Mustafa Anwar CR-3	Environmental Impact Assessment (ESE-819) Dr. Abeera Ayyaz Ansari CR-2 / Computational Fluid Dynamics for Thermal Energy Systems (TEE-817) Dr. Qazi Shahzad Ali CR-2	Applied Solar Energy (ESE-804) Dr. Nadia Shahzad Core Lecture Hall	
03:30 - 05:00 PM	Applied Solar Energy (ESE-804) Dr. Nadia Shahzad Core CR-3	Energy Economics & Policy (ESE-813) Dr. Kafaitullah CR-2	Development and Evaluation of Energy Projects (ESE-816) Dr. Kafaitullah CR-3	Energy Economics & Policy (ESE-813) Dr. Kafaitullah CR-2	



NATIONAL UNIVERSITY OF SCIENCES & TECHNOLOGY
U.S.-Pakistan Center for Advanced Studies in Energy
Timetable: MS – TEE Fall, 2023

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 / Energy from Biomass: (Thermochemical Processes) (ESE-827) Dr. Muhammad Hassan CR-4	Advanced Heat & Mass Transfer (TEE-815) Dr. Majid Ali Core Seminar Hall		Energy from Biomass: (Thermochemical Processes) (ESE-827) Dr. Muhammad Hassan CR-3
10:30 - 12:00 PM		Energy & Climate Change (ESE-832) Dr. Abeera Ayaz Ansari – Lecture Hall	Advanced Thermodynamics (TEE-801) Dr. Sana Yaqub Core Lecture Hall	Energy & Climate Change (ESE-832) Dr. Abeera Ayaz Ansari – Lecture Hall	
12:00 - 01:30 PM	Computational Fluid Dynamics for Thermal Energy Systems (TEE-817) Dr. Qazi Shahzad Ali CR-3	Materials Science and Engineering (ESE-835) Dr. Sehar Shakir Lecture Hall	Conventional and Renewable Energy Power Plants (TEE-803) Dr. Muhammad Bilal Sajid CR-3	Materials Science and Engineering (ESE-835) Dr. Sehar Shakir Lecture Hall	
Lunch and Prayer Break (1:30 - 2:00 pm)					
02:00 - 03:30 PM	Conventional and Renewable Energy Power Plants (TEE-803) Dr. Muhammad Bilal Sajid CR-3 / Development and Evaluation of Energy Projects (ESE-816) Dr. Kafaitullah CR-3		Computational Fluid Dynamics for Thermal Energy Systems (TEE-817) Dr. Qazi Shahzad Ali CR-2		
03:30 - 05:00 PM		Energy Economics & Policy (ESE-813) Dr. Kafaitullah CR-2	Development and Evaluation of Energy Projects (ESE-816) Dr. Kafaitullah CR-3	Energy Economics & Policy (ESE-813) Dr. Kafaitullah CR-2	



NATIONAL UNIVERSITY OF SCIENCES & TECHNOLOGY
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Timetable: MS – EE (Power) Fall, 2023

Time/Day	Monday	Tuesday	Wednesday	Thursday	Friday
09:00 -10:30 AM					
10:30 - 12:00 PM	Smart Grid Architecture (EPE-909) Dr. Muhammad Yousif CR-3	Energy & Climate Change (ESE-832) Dr. Abeera Ayaz Ansari – Lecture Hall / Electric Power Markets (EPE-816) Dr. Kashif Imran CR-4	Smart Grid Architecture (EPE-909) Dr. Muhammad Yousif CR-2	Energy & Climate Change (ESE-832) Dr. Abeera Ayaz Ansari – Lecture Hall / Electric Power Markets (EPE-816) Dr. Kashif Imran CR-2	
12:00 - 01:30 PM	Power System Analysis (EE-863) - Core Dr. Syed Ali Abbas Kazmi Lecture Hall / Environmental Impact Assessment (ESE-819) Dr. Abeera Ayyaz Ansari CR-3	Power System Operation, control & optimization (EPE-800) - Core Dr. Muhammad Yousif CR-2 / Materials Science and Engineering (ESE-835) Dr. Sehar Shakir Lecture Hall	Power System Analysis (EE-863) - Core Dr. Syed Ali Abbas Kazmi Lecture Hall	Power System Operation, control & optimization (EPE-800) - Core Dr. Muhammad Yousif CR-2 / Materials Science and Engineering (ESE-835) Dr. Sehar Shakir Lecture Hall	
Lunch and Prayer Break (1:30 - 2:00 pm)					
02:00 - 03:30 PM	High Voltage Engineering (EPE-817) Dr. Muhammad Farasat Abbas CR-4	Electric Power Quality (EPE-811) Dr. Hassan Abdullah Khalid CR-2	High Voltage Engineering (EPE-817) Dr. Muhammad Farasat Abbas CR-4 / Environmental Impact Assessment (ESE-819) Dr. Abeera Ayyaz Ansari CR-2	Electric Power Quality (EPE-811) Dr. Hassan Abdullah Khalid CR-2	
03:30 - 05:00 PM		Energy Economics & Policy (ESE-813) Dr. Kafaitullah CR-2		Energy Economics & Policy (ESE-813) Dr. Kafaitullah CR-2	