



**NATIONAL UNIVERSITY OF SCIENCES & TECHNOLOGY**  
**U.S.-Pakistan Center for Advanced Studies in Energy**  
**Timetable: MS – TEE Spring, 2024**

Time/Day	Monday	Tuesday	Wednesday	Thursday	Friday
09:00 -10:30 AM	Fuel Cell (ESE-814) Dr. Mustafa Anwar Lecture Hall		Fuel Cell (ESE-814) Dr. Mustafa Anwar CR-2		Fuels & Combustion (TEE-816) – <b>Core</b> Dr. Asif Hussain Khoja CR-3
10:30 - 12:00 pm	Design & Modeling of Thermal Energy Systems (TEE-802) – <b>Core</b> Dr. Majid Ali CR-3/Computer Lab	Fuels & Combustion (TEE-816) – <b>Core</b> Dr. Asif Hussain Khoja CR-3		Design & Modeling of Thermal Energy Systems (TEE-802) – <b>Core</b> Dr. Majid Ali CR-3/Computer Lab	Wind Energy (ESE-817) Dr. Qazi Shahzad Ali CR-3
12:00 - 01:30 PM			Turbomachinery (TEE-813) Dr. Qazi Shahzad Ali CR-3 / Advanced Energy Materials: Synthesis & Characterization (ESE-904) Dr. Ghulam Ali CR-4	Turbomachinery (TEE-813) Dr. Qazi Shahzad Ali CR-3	
<b>Lunch and Prayer Break</b>					
02:00 - 03:30 PM	Environmental Issues of Fossil Fuel Power Plants (TEE-814) Dr. Sana Yaqub CR-3 / Advanced Energy Materials: Synthesis & Characterization (ESE-904) CR-4 Dr. Ghulam Ali	Wind Energy (ESE-817) Dr. Qazi Shahzad Ali CR-3	<u>Research Methodology</u> (RM-898) - <b>Core</b> Dr. Sana Yaqub *02:00 – 04:00 PM CR-4	Clean Coal Technologies (ESE-800) Dr. Asif Hussain Khoja CR-3	
03:30 - 05:00 PM	Clean Coal Technologies (ESE-800) Dr. Asif Hussain Khoja CR-3	Environmental Issues of Fossil Fuel Power Plants (TEE-814) Dr. Sana Yaqub CR-3			

\*German language course timings: 1-2 pm Tuesday (CR-2) and 1-2 pm Thursday (CR-2)



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**U.S.-Pakistan Center for Advanced Studies in Energy**  
**Timetable: MS – ESE Spring, 2024**

<b>Time/Day</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
09:00 - 10:30 AM	Fuel Cell (ESE-814) Dr. Mustafa Anwar Lecture Hall	Modeling of Energy Systems – <b>Core</b> (ESE-809) Dr. Adeel Waqas CR-4/Computer Lab	Fuel Cell (ESE-814) Dr. Mustafa Anwar CR-2	Modeling of Energy Systems – <b>Core</b> (ESE-809) Dr. Adeel Waqas CR-4/Computer Lab	Fuels & Combustion (TEE-816) Dr. Asif Hussain Khoja CR-3
10:30 - 12:00 pm	Energy & Environment (ESE-820) – <b>Core</b> Dr. Muhammad Hassan Lecture Hall	Fuels & Combustion (TEE-816) Dr. Asif Hussain Khoja CR-3	Industrial Catalysis for Energy Systems (ESE-826) Dr. Naseem Iqbal CR-4	Energy & Environment (ESE-820) – <b>Core</b> Dr. Muhammad Hassan Lecture Hall	Wind Energy (ESE-817) Dr. Qazi Shahzad Ali CR-3
12:00 - 01:30 PM	Industrial Catalysis for Energy Systems (ESE-826) Dr. Naseem Iqbal CR-4 / Next-Generation Photovoltaic Devices (ESE-830) Dr. Nadia Shahzad CR-3	Next-Generation Photovoltaic Devices (ESE-830) Dr. Nadia Shahzad CR-4	Advanced Energy Materials: Synthesis & Characterization (ESE-904) CR-4 Dr. Ghulam Ali / Turbomachinery (TEE-813) Dr. Qazi Shahzad Ali CR-3	Turbomachinery (TEE-813) Dr. Qazi Shahzad Ali CR-3	
<b>Lunch and Prayer Break</b>					
02:00 - 03:30 PM	Advanced Energy Materials: Synthesis & Characterization (ESE-904) CR-4 Dr. Ghulam Ali	Wind Energy (ESE-817) Dr. Qazi Shahzad Ali CR-3	<u>*02:00 – 04:00</u> <u>Research Methodology (RM-898) - <b>Core</b></u> <u>Dr. Mustafa Anwar</u> <u>Lecture Hall</u>	Clean Coal Technologies (ESE-800) Dr. Asif Hussain Khoja CR-3 / Li-ion & Next Generation Batteries (ESE-836) Dr. Ghulam Ali CR-2	
03:30 - 05:00 PM	Clean Coal Technologies (ESE-800) Dr. Asif Hussain Khoja CR-3	Li-ion & Next Generation Batteries (ESE-836) Dr. Ghulam Ali CR-2			

\*German language course timings: 1-2 pm Tuesday (CR-2) and 1-2 pm Thursday (CR-2)



**NATIONAL UNIVERSITY OF SCIENCES & TECHNOLOGY**  
**U.S.-Pakistan Center for Advanced Studies in Energy**  
**Timetable: MS – EE (Power) Spring, 2024**

Time/Day	Monday	Tuesday	Wednesday	Thursday	Friday
09:00 -10:30 AM	Fuel Cell (ESE-814) Dr. Mustafa Anwar Lecture Hall	Clean Energy Generation, Integration, and Storage (EPE-802) - <b>Core</b> Dr. Muhammad Farasat Abbas Lecture Hall	Machine Learning for Power System (EPE-819) Dr. Kashif Imran CR-4 / Fuel Cell (ESE-814) Dr. Mustafa Anwar CR-2	Clean Energy Generation, Integration and Storage - <b>Core</b> (EPE-802) Dr. Muhammad Farasat Abbas CR-2	
10:30 - 12:00 pm	Energy & Environment (ESE-820) Dr. Muhammad Hassan Lecture Hall / Machine Learning for Power System (EPE-819) CR-4 Dr. Kashif Imran	Smart Power Systems (EPE-910) Dr. Muhammad Yousif CR-2		Smart Power Systems (EPE-910) Dr. Muhammad Yousif CR-2 / Energy & Environment (ESE-820) Dr. Muhammad Hassan Lecture Hall	
12:00 - 01:30 PM			Electrical Discharge and Plasma (EPE-818) Dr. Muhammad Farasat Abbas Lecture Hall	Development and Evaluation of Energy Projects (ESE-838) Dr. Syed Ali Abbas Kazmi Lecture Hall	
<b>Lunch and Prayer Break</b>					
02:00 - 03:30 PM		Development and Evaluation of Energy Projects (ESE-838) Dr. Syed Ali Abbas Kazmi Lecture Hall	<u>Research Methodology (RM-898) - <b>Core</b></u> <u>Dr. Hassan Abdullah Khalid</u> <u>*2:00-04:00 PM</u> CR-2	Electrical Discharge and Plasma (EPE-818) Dr. Muhammad Farasat Abbas CR-4 / Li-ion & Next Generation Batteries (ESE-836) Dr. Ghulam Ali CR-2	
03:30 - 05:00 PM		Li-ion & Next Generation Batteries (ESE-836) Dr. Ghulam Ali CR-2			

\*German language course timings: 1-2 pm Tuesday (CR-2) and 1-2 pm Thursday (CR-2)