

## USPCAS-E List of Offered Courses (Fall 2022)

No	Course Code	Course Title	CH	Name of FM
1	TEE-814	Environmental Issues of Fossil Fuel Power Plants	3	Dr. Mariam Mahmood
2	TEE-823	Solar Thermal Power Systems	3	Dr. Mariam Mahmood
3	TEE-815	Advanced Heat and Mass Transfer	3	Dr. Majid Ali
4	TEE-801	Advanced Thermodynamics	3	Dr. Sana Yaqub
5	ESE-800	Clean Coal Technologies	3	Dr. Asif Khoja
6	TEE-803	Conventional and Renewable Energy Power Plants	3	Dr. Asif Khoja
7	TEE-818	Advanced Heating, Ventilation and Air Conditioning Systems	3	Dr. Muhammad Bilal Sajid
8	EEE-811	Electric Power Quality	3	Dr. Hassan Abdullah Khalid
9	EEE-812	Advanced Power System Protection	3	Dr. Kashif Imran
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11	EEE-910 (PhD)	Smart Power Systems	3	Dr. Kashif Imran
12	EEE-802	Advanced Power System Stability and Transient Studies	3	Dr. Syed Ali Abbas Kazmi
13	EE-863	Power System Analysis	3	Dr. Syed Ali Abbas Kazmi
14	EEE-817	High Voltage Engineering	3	Dr. Abraiz Khattak
15	EEE-815	Electric Power Generation, Transmission and Distribution	3	Dr. Farasat Abbas
16	EEE-902 (PhD)	Technologies for Smart Transmission Systems	3	Dr. Abraiz Khattak
17	EEE-800	Power System Operation, Control, and Optimization	3	Dr. Muhammad Yousif
18	ESE-818	Power Distribution Systems	3	Dr. Muhammad Nouman
19	ESE-837	Electrochemical Energy Storage and Conversion	3	Dr. Naseem Iqbal
20	ESE-901 (PhD)	Recent Trends in Energy Systems Engineering	3	Dr. Naseem Iqbal
21	ESE-821	Energy Resources and Technologies	3	Dr. Rabia Liaquat
22	ESE-804	Applied Solar Energy	3	Dr. Nadia Shahzad
23	ESE-813	Energy Economics & Policy	3	Dr. Kafait Ullah
24	ESE-902 (PhD)	Socio-economic impact of energy systems	3	Dr. Kafait Ullah
25	ESE-827	Energy from Biomass: Thermochemical Process	3	Dr. Muhammad Hassan
26	ESE-835	Materials Science and Engineering	3	Dr. Sehar Shakir
27	ESE-832	Energy and Climate Change	3	Dr. Abeera Ayaz Ansari
28	ESE-829	Functional Nanomaterials for Renewable Energy	3	Dr. Ghulam Ali
29	ESE-815	Thin Films	3	Dr. Mustafa Anwar