

USPCAS-E List of Offered Courses (Spring 2023)

SN	Course Code	Course Title	CH	Name of FM
1	TEE-802	Design and Modeling of Thermal Energy Systems	3	Dr. Mariam Mahmood
2	TEE-902	Sustainability in Thermal Energy Systems	3	Dr. Qazi Shahzad Ali
3	ESE-824	Nuclear Energy Engineering	3	Dr. Majid Ali
4	RM-898	Research Methodology	2	Dr. Sana Yaqub
5	TEE-816	Fuels and Combustion	3	Dr. Muhammad Bilal Sajid
6	ESE-833	Industrial Energy Management	3	Dr. Muhammad Bilal Sajid
7	TEE-813	Turbomachinery	3	Dr. Qazi Shahzad Ali
8	EE-861	Advanced Electrical Machines and Drives	3	Dr. Hassan Abdullah Khalid
9	EPE-816	Electric Power Markets	3	Dr. Kashif Imran
10	RM-898	Research Methodology	2	Dr. Kashif Imran
11	ESE-838	Development and Evaluation of Energy Projects	3	Dr. Syed Ali Abbas Kazmi
12	EPE-802	Clean Energy Generation, Integration and Storage	3	Dr. Abraiz Khattak
13	EPE-904	Special Topics in Dielectrics and Electrical Insulators	3	Dr. Abraiz Khattak
14	EPE-909	Smart Grid Architecture	3	Dr. Muhammad Yousif
15	EPE-814	Advanced Power Electronics	3	Dr. Muhammad Yousif
16	EPE-813	Computer Modelling of Electrical Power Systems	3	Dr. Muhammad Nouman
17	EPE-903	Application of Optimization Methods in Electrical Power Systems	3	Dr. Muhammad Nouman
18	EPE-817	High Voltage Engineering	3	Dr. Farasat Abbas
19	ESE-809	Modeling of Energy Systems	3	Dr. Adeel Waqas / Dr. Abeera Ayyaz Ansari
20	ESE-826	Industrial Catalysis for Energy Systems	3	Dr. Naseem Iqbal
21	ESE-801	Biofuel Engineering	3	Dr. Rabia Liaquat
22	ESE-904	Advanced Energy Materials: Synthesis & Characterization	3	Dr. Nadia Shahzad
23	RM-898	Research Methodology	2	Dr. Kafait Ullah
24	ESE-831	Energy Policy Analysis & Planning	3	Dr. Kafait Ullah
25	ESE-820	Energy & Environment	3	Dr. Muhammad Hassan
26	ESE-817	Wind Energy	3	Dr. Sehar Shakir
27	ESE-814	Fuel Cells	3	Dr. Mustafa Anwar
28	ESE-836	Li-ion & Next Generation Batteries	3	Dr. Ghulam Ali