M.Sc./Ph.D. Electrical Engineering Timetable Spring Semester 2020

Classes Starts from Monday, January 20, 2020

S. No.	Title / Teacher	Majors	Pre-requisite **G**: Graduate **UG**: Undergraduate	Day/ Time/	Room #
1.	**EE510:** Advanced Computer Architecture Dr. Awais Yousaf	Computer	Computer Architecture and Design (UG)	Tuesday, Thursday 04:30 PM to 06:00 PM	EE-205
2.	**EE517:** Design and Analysis of Algorithms Dr. Kashif Javed	Computer	Basic math background: sets, functions. When required, we'll recap the necessary background.	Monday, Wednesday 04:30 PM to 06:00 PM	EE-123
3.	**EE520:** Wireless and Mobile Communication Dr. Syed Shah Irfan Hussain	Electronics and Communications	EE502: Stochastic Processes (G) Linear Algebra (UG)	Monday, Wednesday 06:00 PM to 07:30 PM	EE-123
4.	**EE521:** Information and Coding Theory Dr. Ubaid Ullah Fayyaz	Electronics & Communications	EE502: Stochastic Processes (G)	Tuesday, Thursday 04:30 PM to 06:00 PM	EE-125a
5.	**EE524:** Optical Communications Dr. Hifsa Shahid	Electronics & Communications	Electromagnetics (UG)	Tuesday, Thursday 06:00 PM to 07:30 PM	EE-125a
6.	**EE528:** Antenna Theory and Design Dr. Farooq Mukhtar	Electronics & Communications	Electromagnetic Field Theory, Transmission Line and Wave Propagation	Monday, Wednesday 04:30 PM to 06:00 PM	EE-125a
7.	**EE533:** Nonlinear Dynamical Systems Dr. Majid Gulzar	Control	Control Systems (UG)	Monday, Thursday 06:00 PM to 07:30 PM	EE-015
8.	**EE547:** Advanced Power Electronics Dr. Umar Shami	Control & Power	Power Electronics (UG), Signals and Systems (UG)	Tuesday, Thursday 04:30 PM to 06:00 PM	EE-123
9.	**EE548:** Smart Grids Dr. Syed A. R. Kashif	Power	Power Systems Analysis (UG)	Monday, Wednesday 06:00 PM to 07:30 PM	EE-125a
10.	**EE599i:** Advanced Topics in Parallel Computing Dr. Nauman Ahmed	Computer	Programming in C or C++	Tuesday, Thursday 06:00 PM to 07:30 PM	EE-024
11.	**EE599o:** Micro-Electro-Mechanical-Systems (MEMS) Dr. Farooq Ahmad	Electronics & Communications & Control	Fundamentals of Electromagnetics, Microelectronic Circuits (UG)	Thursday 07:30 PM to 09:00 PM Friday 04:30 PM to 06:00 PM	EE-125a
12.	**EE599t:** Switch Mode Power Supply Dr. Tahir Izhar	Power & Control	Power Electronics, Semiconductor Devices, Analogue & Digital Electronic Circuit Devices (UG)	Monday, Wednesday 07:30 PM to 09:00 PM	EE-015
13.	**EE641:** Advanced Power Systems Operation and Control Dr. Muhammad Asghar Saqib	Power	Power System Analysis, Power System Operation and Control (UG)	Monday, Wednesday 04:30 PM to 06:00 PM	EE-015

IMPORTANT:

- The Semester is going to start from Monday, January 20, 2020 and course registration will be open for students on Monday, January 20, 2020 by the Examination Branch. Courses will be allocated on a first come first serve basis.
- No course can be registered/ dropped after the Add/Drop period, i.e. two weeks from the start of classes.
- A student can register for maximum FOUR courses at a time.
- All students will register their course online by logging on to **http://lms.uet.edu.pk/web/login.**
- PhD students must get the recommendation of their supervisor before registering any course.
- Students are advised that try to register courses of their own specialization. If a course is more demanding in that case students of other specializations will be dropped from the course.
- A course may be dropped in case of insufficient number of students.
- The only eligibility requirement for taking the final exam is that your class attendance should be at least 75%.
- For graduation, there are two options for the students – either he needs to do a thesis in his area of specialization along with at least six courses from his major specialization area and a maximum of two courses from any of other three specialization areas **or** at least eight courses from his major specialization area and a maximum of two courses from any of other three specialization areas plus a design project.
- All M.Sc. students must pass following four core courses of their specialization to complete M.Sc. degree.

Power	**Computer**	**Control**	**Electronics & Communication**
1. EE 504: Advanced Power Systems 2. EE 505: Optimization Theory 3. EE 530: Power Electronics Converters 4. EE 543: Power System Planning	1. EE 501: Simulation Modeling and Analysis 2. EE 505: Optimization Theory 3. EE 512: Machine Learning 4. EE 517: Design and Analysis of Computer Algorithms	1. EE 502: Stochastic Processes 2. EE 503: Linear System Theory 3. EE 505: Optimization Theory 4. EE 530: Power Electronics Converters	1. EE 502: Stochastic Processes 2. EE 505: Optimization Theory 3. EE 520: Wireless and Mobile Communication 4. EE 528: Antenna Theory and Design

- Semester Schedule

Commencement of Teaching	20-01-2020
Midterm Examination	16-03-2020 to 20-03-2020
Conclusion of Teaching	08-05-2020
Endterm Examination	11-05-2020 to 22-05-2020