**M.Sc./Ph.D. Electrical Engineering Timetable Fall Semester 2019**

**Classes Starts from Monday, September 2, 2019**

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| **S. No.** | **Title / Teacher** | **Majors** | **Pre-requisite**  **G**: Graduate  **UG**: Undergraduate | **Day/**  **Time/** | **Room #** |
|  | **EE 501:** Simulation Modeling & Design  Dr. Fahim Gohar Awan | Computer, Control Electronics & Communications | Linear Algebra, Signals and Systems, undergraduate course in probability, Basic Programming skills (C/C++, MATLAB, Java, etc.). | Tuesday, Thursday  7:30 PM to 9:00 PM | EE-123 |
|  | **EE 502:** Stochastic Processes  Dr. Ubaid Ullah Fayyaz | Computer, Control, Electronics & Communications | Linear Algebra, Signals and Systems and Applied Probability and Statistics or any undergraduate course in probability (preferable) | Tuesday, Thursday  4:30 PM to 6:00 PM | EE-125a |
|  | **EE 503:** Linear Systems Theory  Dr. K. M. Hasan | Computer, Control, Power, Electronics & Communications | Control Systems (UG) | Monday, Wednesday  6:00 PM to 7:30 PM | EE-015 |
|  | **EE 504:** Advanced Power Systems  Dr. Muhammad Asghar Saqib | Power | Power System Analysis, Power System Operation and Control (UG) | Tuesday, Thursday  6:00 PM to 7:30 PM | EE-125a |
|  | **EE 505:** Optimization Theory  Dr. Awais Yousaf | Computer, Control, Power, Electronics & Communications | Graduate standing | Monday, Wednesday  4:30 PM to 6:00 PM | EE-120c |
|  | **EE 512:** Machine Learning  Dr. Atta ur Rehman | Computer | Graduate standing | Thursday  4:30 PM to 6:00 PM  Friday  6:00 PM to 7:30 PM | EE-120c |
|  | **EE 518:** Network Security  Dr. Muhammad Ali | Computer | Probability (UG)  Computer Networks (UG) | Tuesday, Thursday  6:00 PM to 7:30 PM | EE-123 |
|  | **EE 525:** Advanced Electromagnetic Theory  Dr. Farooq Mukhtar | Electronics & Communications | EMT (UG) | Monday, Wednesday  4:30 PM to 6:00 PM | EE-123 |
|  | **EE 530:** Power Electronic Converters  Dr. Tahir Izhar | Control & Power | Power Electronics (UG) | Monday, Wednesday  7:30 PM to 9:00 PM | EE-015 |
|  | **EE 535: Control of Electrical Machine Drives**  **Dr. Syed Abdul Rahman Kashif** | **Control** | **Power Electronics (UG)**  **Control Systems (UG)** | **Tuesday, Thursday**  **6:00 PM to 7:30 PM** | **EE-120c** |
|  | **EE 543:** Power System Planning  Dr. Muhammad Kamran | Power | EE 504: Advanced Power Systems (G) (Preferable) | Tuesday, Thursday  7:30 PM to 9:00 PM | EE-125a |
|  | **EE 546:** Renewable Electric Energy Systems  Dr. Umar Shami | Power | Graduate standing | Tuesday, Thursday  4:30 PM to 6:00 PM | EE-123 |
|  | **EE 561:** Array Signal Processing  Dr. Syed Shah Irfan Hussain | Electronics & Communications | Linear Algebra (UG), Analog & Digital Communication (UG), Electromagnetic Theory (UG) | Monday, Wednesday  6:00 PM to 7:30 PM | EE-120c |
|  | **EE 599o:** Micro-Electro-Mechanical-Systems (MEMS)  Dr. Farooq Ahmad | Electronics & Communications  & Control | Fundamentals of Electromagnetics, Microelectronic Circuits (UG) | Thursday  7:30 PM to 9:00 PM  Friday  4:30 PM to 6:00 PM | EE-120c |
|  | **EE 599q:** Advanced Wind Energy Conversion Systems (AWECS)  Dr. Syed Ali Kamran | Power & Control | Power Electronics,  Control of Electrical Machine,  Electric Circuits (UG). | Monday, Wednesday  4:30 PM to 6:00 PM | EE-125a |
|  | **EE 611:** Artificial Intelligence  Dr. Irfan Ullah Ch. | Computer | Graduate standing | Monday, Wednesday  8:00 AM to 9:30 AM | EE-205 |

**IMPORTANT:**

* The Semester is going to start from Monday, September 2, 2019 and course registration will start from Tuesday, September 3, 2019 at 03:00 PM. Courses will be allocated on a first come first serve basis.
* All students will register their course online by logging on to [**http://lms.uet.edu.pk/web/login**](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%.
* No course can be registered/ dropped after the Add/Drop period.
* Add/Drop period ends on Friday, September 13, 2019 at 04:00 PM.
* A student can register for maximum THREE courses at a time.
* If a student does not drop a course in Add/Drop period his result will be forwarded accordingly, whether he takes classes or not.
* 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.

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| **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

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| Commencement of Teaching | 02-09-2019 |
| Midterm Examination | 28-10-2019 to 01-11-2019 |
| Conclusion of Teaching | 20-12-2019 |
| Endterm Examination | 23-12-2019 to 03-01-2020 |
| Spring Semester Starts | 20-01-2020 |