

**TRG PROGRAMME – PG COURSES – FALL SEMESTER 2021**

Course: **MS Entry -2020 (EE) & MS Entry 2021 (EE)**

Duration: **18 Oct 2021 to 04 Feb 2022**

Discipline: **Electrical Engineering**

No of Weeks: **16**

| Day | Venue                      | Time        | Hours | Instructor             | Code   | Course                     | Core/<br>Elective | Method |
|-----|----------------------------|-------------|-------|------------------------|--------|----------------------------|-------------------|--------|
| Mon | CR (E) – 01<br>Trg Block-I | 1800 – 2100 | 3     | Dr Muwahida Liaquat    | EE-871 | Linear Control System      | Core              | Lec    |
|     | CR (E) – 11<br>Trg Block-I | 1800 – 2100 | 3     | Dr Qasim Umar Khan     | SE-801 | Artificial Neural Network  | Elective          | Lec    |
| Tue | CR (E) – 01<br>Trg Block-I | 1800 – 2100 | 3     | Dr Fahad Mumtaz Malik  | EE-877 | Mobile Robotics            | Core              | Lec    |
| Wed | CR (E) – 01<br>Trg Block-I | 1800 – 2100 | 3     | Dr Fahad Mumtaz Malik  | EE-977 | Non-linear Control Systems | Elective          | Lec    |
|     | CR (E) – 11<br>Trg Block-I | 1800 – 2100 | 3     | Dr Sarmad Majeed Malik | EE-863 | Power System Analysis      | Core              | Lec    |
| Thu | CR (E) – 11<br>Trg Block-I | 1800 – 2100 | 3     | Dr Mashhood Ahmad      | EE-891 | Stochastic Systems         | Core              | Lec    |

**Summary**

- |    |                        |     |
|----|------------------------|-----|
| 1. | Dr Mashhood Ahmad      | 3.0 |
| 2. | Dr Fahad Mumtaz Malik  | 6.0 |
| 3. | Dr Sarmad Majeed Malik | 3.0 |
| 4. | Dr Qasim Umar Khan     | 3.0 |
| 5. | Dr Muwahida Liaquat    | 3.0 |

**TRG PROGRAMME – PG COURSES – FALL SEMESTER – 2021**

Course: **MS Entry -2020 (ME) & MS Entry 2021 (ME)**

Duration: **18 Oct 2021 to 04 Feb 2022**

Discipline: **Mechanical Engineering**

No of Weeks: **16**

| Day | Venue                        | Time        | Hours | Instructor              | Code    | Course                                      | Elective / Core | Methods |
|-----|------------------------------|-------------|-------|-------------------------|---------|---------------------------------------------|-----------------|---------|
| Mon | CR (M)- 02<br>(Trg Block-IV) | 1800 – 2100 | 3     | Dr Faizullah            | MTH-812 | Advanced Engineering Mathematics            | Core            | Lec     |
| Tue | CR (M)- 02<br>(Trg Block-IV) | 1800 – 2100 | 3     | Dr Imran Akhtar         | ME-803  | Continuum Mechanics                         | Core            | Lec     |
| Wed | CR (M)- 02<br>(Trg Block-IV) | 1800 – 2100 | 3     | Dr Aamer Ahmed Baqai    | ME-853  | Manufacturing Systems Design and Management | Elective        | Lec     |
|     | CR (M)- 03<br>(Trg Block-IV) | 1800 – 2100 | 3     | Dr Ghulam Murtaza       | ME-812  | Advanced Control Systems-I                  | Elective        | Lec     |
| Thu | CR (M)- 02<br>(Trg Block-IV) | 1800 – 2100 | 3     | Dr Rashid Naseer        | ME-817  | Advanced Theory of Vibrations               | Elective        | Lec     |
|     | CR (M)- 03<br>(Trg Block-IV) | 1800 – 2100 | 3     | Dr Abdur Rehman Manzhar | ME-885  | Thermal System Design                       | Elective        | Lec     |
| Fri | CR (M)- 02<br>(Trg Block-IV) | 1800 – 2100 | 3     | Dr Zafar Abbas Bangash  | ME-881  | Advanced Fluid Mechanics                    | Elective        | Lec     |

1. Dr Aamer Ahmed Baqai 3.0
2. Dr Imran Akhtar 3.0
3. Dr Rashid Naseer 3.0
4. Dr Ghulam Murtaza 3.0
5. Dr Zafar Iqbal Bangash 3.0
6. Dr Abdur Rehman Mazhar 3.0
7. Dr Faizullah (DBS&H) 3.0

**TRG PROGRAMME – PG COURSES – FALL SEMESTER – 2021**

Course: **MS Entry -2020 and MS Entry 2021 (CE)**

Duration: **18 Oct 2021 to 04 Feb 2022**

Discipline: **Computer Engineering**

No of Weeks: **16**

| Day | Venue                    | Time        | Hours | Instructor           | Code    | Course                        | Elective/<br>Core | Methods |
|-----|--------------------------|-------------|-------|----------------------|---------|-------------------------------|-------------------|---------|
| Mon | CRC-11<br>(Trg Block-II) | 1800- 2100  | 3     | Dr Sajid Gul Khawaja | CE-866  | Adv Digital Signal Processing | Core              | Lec     |
|     | CRC-16<br>(Trg Block-II) | 1800 - 2100 | 3     | Dr Muhammad Abbas    | RM-896  | Research Methodologies        | Elective          | Lec     |
| Tue | CRC-11<br>(Trg Block-II) | 1800- 2100  | 3     | Dr Farhan Hussain    | CE-820  | Adv Computer Architecture     | Core              | Lec     |
|     | CRC-16<br>(Trg Block-II) | 1800 - 2100 | 3     | Dr Ali Hassan        | CSE-804 | Machine Learning              | Elective          | Lec     |
| Wed | CRC-11<br>(Trg Block-II) | 1800- 2100  | 3     | Dr Farhan Riaz       | CE-835  | Digital Image Processing      | Elective          | Lec     |
| Thu | CRC-11<br>(Trg Block-II) | 1800- 2100  | 3     | Dr M. Usman Akram    | CS-822  | Data Mining                   | Elective          | Lec     |

**Summary**

|    |                         |     |
|----|-------------------------|-----|
| 1  | Dr Muhammad Abbas       | 3.0 |
| 2  | Dr Muhammad Usman Akram | 3.0 |
| 3  | Dr Ali Hassan           | 3.0 |
| 4. | Dr Sajid Gul Khawaja    | 3.0 |
| 5. | Dr Farhan Hussain       | 3.0 |
| 6. | Dr Farhan Riaz          | 3.0 |

**TRG PROGRAMME – PG COURSES – FALL SEMESTER – 2021**

Course: **MS Entry -2020 and MS Entry 2021 (SE)**

Duration: **18 Oct 2021 to 04 Feb 2022**

Discipline: **Software Engineering**

No of Weeks: **16**

| Day | Venue                    | Time        | Hours | Instructor          | Code   | Course                        | Elective/<br>Core | Methods |
|-----|--------------------------|-------------|-------|---------------------|--------|-------------------------------|-------------------|---------|
| Mon | CRC-15<br>(Trg Block-II) | 1800 – 2100 | 3     | Dr Farooque Azam    | SE-860 | Adv Software Engg             | Core              | Lec     |
|     | CRC-16<br>(Trg Block-II) | 1800 – 2100 | 3     | Dr Muhammad Abbas   | RM-896 | Research Methodologies        | Elective          | Lec     |
| Tue | CRC-15<br>(Trg Block-II) | 1800 – 2100 | 3     | Dr Wasi Haider Butt | SE-862 | Software Req Engg             | Core              | Lec     |
| Wed | CRC-15<br>(Trg Block-II) | 1800 – 2100 | 3     | Dr Usman Qamar      | SE-876 | Web Engineering               | Elective          | Lec     |
| Thu | CRC-15<br>(Trg Block-II) | 1800 – 2100 | 3     | Dr Farooque Azam    | SE-869 | Model Driven Software<br>Engg | Elective          | Lec     |

**Summary**

- 1 Dr Farooque Azam 3.0
- 2 Dr Muhammad Abbas 3.0
- 3 Dr Usman Qamar
4. Dr Wasi Haider Butt 3.0

**TRG PROGRAMME – PG COURSES – FALL SEMESTER – 2021**

Course: **MS Entry -2020 (Mts) & MS Entry 2021 (Mts)**

Duration: **18 Oct 2021 to 04 Feb 2022**

Discipline **Mechatronics Engineering**

No of Weeks: **16**

| <b>Day</b> | <b>Venue</b>                   | <b>Time</b> | <b>Hours</b> | <b>Instructor</b>     | <b>Code</b> | <b>Course</b>                        | <b>Elective/<br/>Core</b> | <b>Methods</b> |
|------------|--------------------------------|-------------|--------------|-----------------------|-------------|--------------------------------------|---------------------------|----------------|
| Mon        | CR (Mts)-01<br>(Trg Block-III) | 1800 – 2100 | 3            | Dr Hamid Jabbar       | MTS-840     | Data Acquisition and Control         | Core                      | Lec            |
| Tue        | CR (Mts)-01<br>(Trg Block-III) | 1800 – 2100 | 3            | Dr Umar Shahbaz Khan  | MTS-841     | Advanced Embedded Systems            | Core                      | Lec            |
| Thu        | CR (Mts)-01<br>(Trg Block-III) | 1800 – 2100 | 3            | Brig Dr. Nasir Rashid | MTS-813     | Paradigms of Artificial Intelligence | Elective                  | Lec            |

**Summary**

|   |                      |     |
|---|----------------------|-----|
| 1 | Brig Dr Nasir Rashid | 3.0 |
| 2 | Dr Hamid Jabbar      | 3.0 |
| 3 | Dr Umar Shahbaz Khan | 3.0 |

**TRG PROGRAMME – PG COURSES – FALL SEMESTER – 2021**

Course: **MS ntry 2020 & MS Entry 2021 (EM)**

Duration: **18 Oct 2021 to 04 Feb 2022**

Discipline: **Engineering Management**

No of Weeks: **16**

| Day | Venue                            | Time        | Hours | Instructor              | Code   | Course                          | Elective/<br>Core | Methods |
|-----|----------------------------------|-------------|-------|-------------------------|--------|---------------------------------|-------------------|---------|
| Mon | CR (M)-01<br>(BS&H)<br>New Block | 1800 – 2100 | 3     | Dr Zeeshan Mirza        | EM-851 | High Performance Work Systems   | Elective          | Lec     |
| Tue | -do-                             | 1800 – 2100 | 3     | Dr Yasir Ahmad          | EM-801 | Project Management              | Core              | Lec     |
| Wed | -do-                             | 1800 – 2100 | 3     | Dr Masood Raza          | EM-804 | Technology Management           | Elective          | Lec     |
| Thu | -do-                             | 1800 – 2100 | 3     | Dr Syed M. Ali          | EM-827 | Innovation and New Product Mgmt | Elective          | Lec     |
| Fri | -do-                             | 1800 – 2100 | 3     | Dr Tasweer Hussain Shah | EM-817 | Accounting and Fin Mgmt         | Core              | Lec     |

**Summery**

|    |                         |     |
|----|-------------------------|-----|
| 1  | Dr. Masood Raza         | 3.0 |
| 3  | Dr Tasweer Hussain Shah | 3.0 |
| 3  | Dr Syed Muhammad Ali    | 3.0 |
| 4. | Dr. Yasir Ahmad         | 3.0 |
| 5. | Dr M. Zeeshan Mirza     | 3.0 |