



## DEPARTMENT OF MECHANICAL AND MECHATRONIC ENGINEERING

### PG Module Schedule 2021

| Monday of week | Friday of week | Notes  | Block dates   | 5-Digit code   | Module Name                                     |
|----------------|----------------|--|---------------|--|---|
| 01-Feb-21      | 05-Feb-21      |  | 1-5 Feb       | 13808  | Smart Grid Technology Overview 774/874          |
| 08-Feb-21      | 12-Feb-21      |  |               |  |   |
| 15-Feb-21      | 19-Feb-21      |  | <b>18 Feb</b> | <b>PG Information Session for all new PG students - Online</b> |   |
| 22-Feb-21      | 26-Feb-21      |  | 22-26 Feb     | 11748  | Advanced Topics In Engineering Management 873   |
| 01-Mar-21      | 05-Mar-21      |  | 1-5 Mar       | 64890  | Renewable Energy Systems 714                    |
|                |                |  | 2-5 Mar       | 53511  | Industrial Heat Exchangers 814                  |
| 08-Mar-21      | 12-Mar-21      | Week before semester start                                     | 9-10 Mar      | 13863  | Research Methodology I 814 – <b>Online only</b> |
|                |                |  | 11-12 Mar     | 53716  | Airconditioning & Refrigeration I 814           |
|                |                |  | 11-12 Mar     | 13014  | Robotics I 814                                  |
|                |                |  | 8-13 Mar      | 58718  | Sustainable Development 771/871                 |
| 15-Mar-21      | 19-Mar-21      | <b>Classes Start Term 1</b>                                    | 15-19 Mar     | 14190  | Data Science 874                                |
| 22-Mar-21      | 26-Mar-21      | 22/3 Public Holiday due to Human Rights Day                    | 23-24 Mar     | 13722  | Advanced Strength of Materials I 814            |
|                |                |  | 25-26 Mar     | 13803  | Advanced Heat Transfer I 813                    |
|                |                |  | 25-26 Mar     | 13860  | Biomedical Engineering I 814                    |
| 29-Mar-21      | 02-Apr-21      | 2/4: Good Friday   | 29-30 Mar     | 40622  | Advanced Design I 814                           |
| 05-Apr-21      | 09-Apr-21      | 5/4 Family Day   | 6-7 Apr       | 62960  | Advanced Dynamics I 814                         |
|                |                |  | 8-9 Apr       | 11295  | Solar Thermal Energy Systems I 814              |
|                |                |  | 8-9 Apr       | 14216  | Holonic Communication & Control I 874           |
| 12-Apr-21      | 16-Apr-21      |  | 12-13 Apr     | 36323  | Numerical Methods I 876                         |
|                |                |  | 13 Apr        | 20753  | Partial Differential Equations I B834           |
|                |                |  | 14-15 Apr     | 13863  | Research Methodology II 814                     |
|                |                |  | 16 Apr        | 20753  | Partial Differential Equations I B834           |
|                |                |  | 12-17 Apr     | 11651  | Renewable Energy Policy 771/871                 |
| 19-Apr-21      | 23-Apr-21      |  | 19-20 Apr     | 53716  | Airconditioning & Refrigeration II 814          |
|                |                |  | 19-20 Apr     | 13014  | Robotics II 814                                 |
|                |                |  | 19-23 Apr     | 13806  | Integrated Supply Side Technology 774/874       |
| 26-Apr-21      | 30-Apr-21      | 30/4 <b>Classes End</b><br>27/4 Freedom Day<br>1/5 Workers Day | <b>30 Apr</b> |  | <b>ALL Modules: Assignment Submissions I</b>    |
| 03-May-21      | 07-May-21      | 1-9/5 <b>RECESS</b>  | 3-4 May       | 38571  | Linear Algebra 814                              |
|                |                |  | 6-7 May       | 13722  | Advanced Strength of Materials II 814           |
| 10-May-21      | 14-May-21      | <b>Classes Start Term 2</b>                                    | 10-13 May     | 13773  | Advanced Fluid Dynamics 814                     |
| 17-May-21      | 21-May-21      |  | 18-19 May     | 62960  | Advanced Dynamics II 814                        |
|                |                |  | 20-21 May     | 13803  | Advanced Heat Transfer II 813                   |
|                |                |  | 20-21 May     | 13860  | Biomedical Engineering II 814                   |
| 24-May-21      | 28-May-21      |  | 24-25 May     | 40622  | Advanced Design II 814                          |
|                |                |  | 27-28 May     | 36323  | Numerical Methods II 876                        |
|                |                |  | 27-28 May     | 20753  | Partial Differential Equations II B834          |
| 31-May-21      | 04-Jun-21      |  | 3-4 Jun       | 11295  | Solar Thermal Energy Systems II 814             |
|                |                |  | 3-4 Jun       | 14216  | Holonic Communication & Control II 874          |

|           |           |  |                           |       |   |
|-----------|-----------|--|---------------------------|-------|---|
| 07-Jun-21 | 11-Jun-21 |  | 7-11 Jun                  | 51993 | Project Management 873                                      |
| 14-Jun-21 | 18-Jun-21 | 16/6 Youth Day<br>18/6 <b>Classes End</b>  | <b>18 Jun</b>             |       | <b>ALL Modules: Assignment Submissions II</b>               |
| 21-Jun-21 | 25-Jun-21 | <b>SU EXAM I:</b><br>21 June - 12 Jul      | 21-25 Jun                 | 58157 | Project Economics & Finance 712/812                         |
|           |           |  | 21-26 Jun                 | 64904 | Bioenery 744/844  |
| 28-Jun-21 | 02-Jul-21 |  | <b>28 Jun - 3 Jul</b>     |       | <b>EXAM WEEK</b>  |
| 05-Jul-21 | 09-Jul-21 |  |                           |       |   |
| 12-Jul-21 | 16-Jul-21 | <b>SU EXAM II:</b><br>13 Jul - 24 Jul 24/7 | 12-16 Jul                 | 13364 | Advanced PV Systems   |
| 19-Jul-21 | 23-Jul-21 |  | <b>19-23 Jul</b>          |       | <b>2nd OPPORTUNITY EXAM WEEK</b>                            |
| 26-Jul-21 | 30-Jul-21 | 25/7 - 9/8<br><b>Mid-Year Recess</b>       | 26-30 Jul                 | 13185 | Wind Energy 744/844   |
| 02-Aug-21 | 06-Aug-21 | 9/8: Women's day                           | 2-6 Aug                   | 13186 | Hydro & Ocean Energy 744/844                                |
| 09-Aug-21 | 13-Aug-21 | 10/8 <b>Classes Start Term 3</b>           |                           |       |   |
| 16-Aug-21 | 20-Aug-21 |  |                           |       |   |
| 23-Aug-21 | 27-Aug-21 |  |                           |       |   |
| 30-Aug-21 | 03-Sep-21 |  | 30 Aug–1 Sep<br>& 6-7 Sep | 13810 | Energy Storage Systems 774/874:<br>6-7 Sept = <b>Online</b> |
| 06-Sep-21 | 10-Sep-21 |  |                           |       |   |
| 13-Sep-21 | 17-Sep-21 | 17/9 <b>Classes End</b>                    |                           |       |   |

#### Responsible Departments:

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|--|
| Department of Civil Engineering                    |
| Department of Electrical & Electronic Engineering  |
| Department of Industrial Engineering               |
| Department of Mechanical & Mechatronic Engineering |
| Department of Process Engineering                  |
| SPL (School for Public Leadership)                 |
| Department of Mathematics                          |
| Department of Applied Mathematics                  |
| Open Slots   |

#### Special notes:

- All modules taken by students should be approved by the Supervisor; Programme Coordinator and Department (PG Coordinator) as part of your Departmental Application – changes only possible with written approval. Offering of modules are subject to availability.
- Students must be registered with the University by the **25th of February** (one week after the Information Session on the 18th of February) to get access on SUNLearn to modules in time.
- Modules offered by other Departments - please consult the responsible Department's website for more information.
- Students should choose modules carefully and make sure they do not have any clashes as some modules are scheduled in parallel.
- Although the Department is preparing for face-to-face teaching, we will follow the Government and University protocols at the time regarding social distancing and return to campus.

#### Updates:

Research Methodology (RM): 9 – 10 March 2021 changed to ONLINE only.

Research Methodology (RM): 14-15 April.

Partial Differential Equations (PDE): Block I & II changed