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<tr>
<td>MONDAY</td>
<td>First semester</td>
<td>J4 [CEDR]</td>
<td>5MEMS3 [HAM1]</td>
<td>5BIO4 [PBSR1/PC LAB]</td>
<td>5B1 [CLT]</td>
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<td>Second semester</td>
<td>5MEMS2 [HAM2]</td>
<td>5E4 [M20]</td>
<td>5E4 [ECAL]</td>
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<td>5B9 [CLT]</td>
<td>5E4 [M21]</td>
<td>5R3 [CLT/ECAL]</td>
<td>5B1 [HAM2]</td>
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<td>5E4 [CLT]</td>
<td>5B3 [CLT/ECAL]</td>
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<td>WEDNESDAY</td>
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<td>5B9 [CLT]</td>
<td>5MEMS1 [CLT]</td>
<td>5B10 [CLT]</td>
<td>5E3 [DESIGN LOFT/PBSR1]</td>
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<td>5B10 [CLT]</td>
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<td>Second semester</td>
<td>5B3 [CLT]</td>
<td>5MEMS3 [CLT]</td>
<td>5B10 [CLT]</td>
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<td>5BIO4 [M17]</td>
<td>5MEMS7 [CLT]</td>
<td>5E3/4MEMS9 [DESIGN LOFT/PBSR1/2]</td>
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<td>J1 [CEDR]</td>
<td>5MEMS2 [M17]</td>
<td>5E3 [DESIGN LOFT/PBSR2]</td>
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Date of issue: 27th June, 2018
**Module codes:**

**Mandatory Modules**
- 5E1 = 5E1 Engineering Research Project [25 credits]
- 5E2 = CE5E2 Research Methods [5 credits]

**Optional Modules (Choose 30 credits)**
- 5B1 = MSEB01 Flow Induced Vibration and Fluid Structure Interaction [5 credits] - 4B13 is a pre-requisite
- 5B2 = MSEB02 Advanced Thermal Fluid Sciences [10 credits] - 4B3, 4B4 and 4B13 are pre-requisites
- 5B9 = MSEB09 Control Engineering II [5 credits]
- 5B10 = MSEB10 Instrumentation and Experimental Techniques [5 credits]
- 5BIO4 = MSEB04 Finite Element Analysis [5 credits]
- 5E4 = ME5E4 Introduction to Computational Fluid Mechanics [5 credits]
- 5E3 = ME5E3 Innovation in Product Development [15 credits] - 4MEMS9 User Centred Design is a co-requisite
- 5MEMS1 = ME5MM1/MEU44EM5 Advanced Manufacturing II - Additive Manufacturing and Laser Processing [5 credits] - 4B5 is a pre-requisite
- 5MEMS2 = ME5MM2/MEU44EM2 Advanced Manufacturing I - Digital Manufacturing [5 credits]
- 5MEMS3 = ME5MM3/MEU44EM3 Supply Chain Management [5 credits]
- 5MEMS7 = ME5MM7 Risk Management and Safety Assessment Systems [5 credits]
- J1 = CE7T01 Wind Energy [5 credits]
- J4 = CE7T04 Energy Policy and Demand [5 credits]
- J6 = CE7T06 Wave and Hydro Energy [5 credits]
- T1 = CE7T01 Transportation [5 credits]

**Venues**
- CEDR = Civil Engineering Demonstrating Room, First Floor, Simon Perry Building
- CLT = Crossland Lecture Theatre, Parsons Building
- DESIGN LOFT = Design Loft, Top Floor, Parsons Building
- ECAL = ECAL Laboratory, First Floor, Parsons Building
- GOLDHALL = Goldsmith Hall, Pearse Street
- HAM1 = Salmon Theatre, Hamilton Building
- HAM2 = Synge Theatre, Hamilton Building
- HAM3 = MacNeill Theatre, Hamilton Building
- M17 = Museum 17, 1st Floor, Museum Building
- M20 = Museum 20, 1st Floor, Museum Building
- M21 = Museum 21, 1st Floor, Museum Building
- LB04 = Lecture Theatre 04, Lower Ground Floor, Lloyd Institute
- LB08 = Lecture Theatre 08, Lower Ground Floor, Lloyd Institute
- PBSR1/2/3 = Seminar Room 1/2/3, Parsons Building
- PC LAB = PC Laboratory, Ground Floor, Parsons Building
- SPSR = Simon Perry Seminar Room, 3rd Floor, Simon Perry Building

**Semester dates:**
- First semester: Monday, 10th September, 2018 to Friday, 30th November, 2018
- Second semester: Monday, 21st January, 2019 to Friday, 12th April, 2019

**Project/Assignment Weeks:**
- First semester: Monday, 22nd November, 2018 to Friday, 26th November, 2018
- Second semester: Monday, 4th March, 2019 to Friday, 8th March, 2019

**Draft examination dates (to be confirmed):**
- Semester 1 examinations: Saturday, 8th December, 2018 to Friday, 14th December, 2018
- Semester 2 examinations: Tuesday, 23rd April, 2019 to Friday, 3rd May, 2019