## YEAR 5 MAI, 2019/20 - BIOMEDICAL ENGINEERING

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<td>5MEMS3 [HAM1]</td>
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<td>5BIO9 [AP2.05]</td>
<td>5BIO4 [M17]</td>
<td>5MEMS3 [HAM2]</td>
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## Module Codes

### Mandatory Modules
- **SE1 = SE1 Engineering Research Project** [25 credits]
- **5BIO1 = MEP56BM1 Medical Device Design Innovation Project** [10 credits]
- **5BIO3 = MES5BIO3 Tissue Engineering** [5 credits]
- **5BIO7 = MES5BIO7 Advanced Medical Imaging** [5 credits]
- **5BIO9 = MEP56BM9 Medical Device Design Fundamentals** [5 credits]

### Optional Modules (Choose 15 credits)
- **5B10 = Experimental Techniques** [5 credits]
- **5BIO4 = MES5BIO4 Finite Element Analysis** [5 credits]
- **5BIO8 = MES5BIO8 Implant Devices and Systems** [10 credits]
- **SC1 = EESC01 Digital Media Systems** [5 credits] - *4C8 is a pre-requisite*
- **SC4 = EESC04 Speech and Audio Engineering** [5 credits]
- **5MEMS1 = MES5MM1 Advanced Manufacturing II - Additive Manufacturing and Laser Processing** [5 credits]
- **5MEMS3 = MES5MM3 Supply Change Management** [5 credits]
- **5MEMS7 = MES5MM7 Risk Management and Safety Assessment Systems** [5 credits]

### Venues
- AP2.03 = Room 2.03, Second Floor, Aras an Phiarsaigh
- AP2.04 = Room 2.04, Second Floor, Aras an Phiarsaigh
- AP2.05 = Seminar room 2.05, Second Floor, Aras an Phiarsaigh
- 2043 = Thomas Davis Theatre, 2043, Arts Building
- 2041B = Mhairtin Ui Chadhain Theatre, Room 2041B, Arts Building
- CAD LAB = Room 2.28, Second Floor, Aras an Phiarsaigh
- CLT = Crossland Theatre, Second Floor, Parsons Building
- HAM1 = Salmon Theatre, Hamilton Building
- HAM2 = Syne Theatre, Hamilton Building
- HAM3 = MacNeill Theatre, Hamilton Building
- LB04 = Lecture Theatre 04, Lower Ground Floor, Lloyd Institute
- LB08 = Lecture Theatre 08, Lower Ground Floor, Lloyd Institute
- M17 = Lecture Theatre M17, Museum Building
- M20 = Lecture Theatre M20, Museum Building
- M21 = Lecture Theatre M21, Museum Building
- PBSR1/2 = Seminar Room 1/2, Parsons Building
- PC LAB = PC Laboratory, Ground Floor, Parsons Building
- PHYLLT = Shroedinger Lecture Theatre, Physics Building
- SS LAB = Room 2.02, Second Floor, Aras an Phiarsaigh
- CEDR = Demonstration Room, Simon Perry Building
- LB 1.20 = Room 1.20, Lloyd Institute

### Notes
- Biomedical Engineering students are required to take SE1, SE2, 5BIO1, 5BIO3 and 5BIO7 as well as 10 credits from 5B10, 5BIO4, SC4, 5MEMS1, 5MEMS3 and 5MEMS7

### Semester dates:
- **First semester:** Monday, 9th September, 2019 to Friday, 29th November, 2019
- **Second semester:** Monday, 20th January, 2020 to Friday, 10th April, 2020

### Project/Assignment Weeks:
- **First semester:** Monday, 21st October 2019 to Friday, 25th October 2019
- **Second semester:** Monday, 2nd March 2020 to Friday, 6th March 2020

### Draft examination dates (to be confirmed):
- **Semester 1 examinations:** Monday, 9th December, 2019 to Friday, 13th December, 2019*
  (*Contingency Days: December 16, 17, 2019 (Monday, Tuesday))
- **Semester 2 examinations:** Monday, 27th April, 2020 to Saturday, 2nd May, 2020**
  (**Contingency Days: April 23, 24, 25, 2020)
- **Supplemental examinations:** August 31, September 1, 2, 3, 4, 2020 (Monday - Friday)***
  (**Contingency Days: August 24, 25, 26, 27 and 28, 2020)**