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YEAR 5 MAI, 2019/20 - BIOMEDICAL ENGINEERING

Date of issue: 10th September, 2019
Module Codes

**Mandatory Modules**

- **SE1**: SE1 Engineering Research Project [25 credits]
- **5BIO1**: ME5BIO1 Medical Device Design Innovation Project [10 credits]
- **5BIO3**: ME5BIO3 Tissue Engineering [5 credits]
- **5BIO7**: ME5BIO7 Advanced Medical Imaging [5 credits]
- **5BIO9**: ME5BIO9 Medical Device Design Fundamentals [5 credits]

**Optional Modules (Choose 15 credits)**

- **5B10**: ME5B10 Instrumentation and Experimental Techniques [5 credits]
- **5BIO4**: ME5BIO4 Finite Element Analysis [5 credits]
- **5BIO8**: ME5BIO8 Implant Devices and Systems [10 credits]
- **5C1**: EE5C01 Digital Media Systems [5 credits] - **4C8** is a pre-requisite
- **5C4**: EE5C04 Speech and Audio Engineering [5 credits]
- **5MEMS1**: ME5MM1 Advanced Manufacturing II - Additive Manufacturing and Laser Processing [5 credits]
- **5MEMS3**: ME5MM3 Supply Change Management [5 credits]
- **5MEMS7**: ME5MM7 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**: Synge 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
- **PHYLTT**: Shroedinger Lecture Theatre, Physics Building
- **SS LAB**: Room 2.02, Second Floor, Aras an Phiarsaigh
- **CEDR**: Demonstration Room, Simon Perry Building

**Notes**

Biomedical Engineering students are required to take **SE1**, **SE2**, **5BIO1**, **5BIO3** and **5BIO7** as well as 10 credits from **5B10**, **5BIO4**, **5C4**, **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**)

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**Biomedical Engineering students are required to take 5E1, 5E2, 5BIO1, 5BIO3 and 5BIO7 as well as 10 credits from 5B10, 5BIO4, 5C4, 5MEMS1, 5MEMS3 and 5MEMS7.**