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### SS ENG (BIO) - Modules, Venues and Information

#### Module codes:
- **4E1 = CEU44E01 Management for Engineers [5 credits]**
- **4BIO1/PG1005 = MEU44BM1/PG1005 Cell and Molecular Biology [5 credits]**
- **4BIO4 = MEU44BM4 Experimental and Research Methods [5 credits]**
- **4BIO5 = MEU44BM5 Biomechanics [5 credits]**
- **4BIO6 = MEU44BM6 Biomaterials [5 credits]**
- **4E2 = EU44E02/EU44E02 Biomedical Engineering Project [15 credits]**

#### Optional Modules
- **4B17 = MEU44B17 Multibody Dynamics [5 credits]**
- **4CS = EU44C05 Digital Signal Processing [5 credits]**

#### Semester 2
- **4B1 = MEU44B01 Mechanics of Solids [5 credits]**
- **4B2 = MEU44B02 Forensic Materials Engineering [5 credits]**
- **4B5 = MEU44B05 Manufacturing Technology [5 credits]**
- **4B6 = MEU44B06 Manufacturing Systems and Project Management [5 credits]**
- **4B9 = MEU44B09 Control Engineering [5 credits]**
- **4CB = EU44C08 Digital Media Processing [5 credits]**

#### Laboratories:
- Always check scheduling information

#### Venues:
- **2037 = Robert Emmet Theatre, Arts Building**
- **2039 = JM Synge Theatre, Arts Building**
- **2041A = Jonathan Swift Theatre, Room 2041A, Arts Building**
- **2041B = Mhuairin Ui Chadhain Theatre, Room 2041B, Arts Building**
- **2043 = Thomas Davis Theatre, Arts Building**
- **4050A = SL Lecture Room, 4th Floor, Arts Building**
- **5039 = Room 5039, 5th Floor, Arts Building**
- **AP0.09 = Room 0.09, Ground Floor, Aras an Phnairseigh**
- **AP2.04 = Room 2.04, Aras an Phnairseigh**
- **CHLLT = Chemistry Large Lecture Theatre, Chemistry Building**
- **CLT = Crossland Theatre, Parsons Building**
- **DO = Drawing Office, Top Floor, Museum Building**
- **EE LABS = Electronic Engineering Laboratories, Aras an Phnairseigh**
- **HAMD = Joly Lecture Theatre, Hamilton Building**
- **LBO4 = Lecture Theatre 4, Lower basement, Lloyd Institute**
- **LBB8 = Lecture Theatre 8, Lower basement, Lloyd Institute**
- **LTE2 = Lecture Theatre 2, Lower basement, Panas Institute**
- **M17 = Museum 17, First Floor, Museum Building**
- **M20 = Museum 20, First Floor, Museum Building**
- **M21 = Museum 21, First Floor, Museum Building**
- **MH = Haughton Lecture Theatre, Museum Building**
- **MELAB = Mechatronics Laboratory, Parsons Building**
- **PBSR1/2 = Seminar Room 1/2, Parsons Building**
- **PHTL = Physics Large (Shroedinger) Theatre, Fitzgerald Building**

*Students completing their studies in the Senior Sophister BAI year are required to take: a **4E2 Biomedical Engineering Project**; the mandatory modules **4E1, 4BIO1, 4BIO4 and 4BIO6 in semester 1**; one other semester 1 module; and three other semester 2 modules.*

**Students continuing to the fifth MAI year are required to take: **4E1, 4BIO1, 4BIO4, 4BIO5 and 4BIO6 in semester 1** plus one other semester 1 module and the six semester 2 modules: **4B1, 4B2, 4B5, 4B6, 4B9 and 4CB**. MAI students may choose to be considered for **4E4 Engineering Internship in semester 2**. Places on these options are limited and are offered competitively by the Department of Mechanical and Manufacturing Engineering during the academic year.*

### 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):
- **First semester examinations:**
  - Monday, 9th December, 2019 to Friday, 13th December, 2019*
  - **(Contingency Days: December 16, 17, 2019 (Monday, Tuesday)**
- **Second semester examinations:**
  - Monday, 27th April, 2020 to Saturday, 2nd May, 2020**

### Supplemental examinations:
- **August 31, September 1, 2, 3, 4, 2020 (Monday - Friday)**
- **(Contingency Days: August 24, 25, 26, 27 and 28, 2020)**