

**Modules**

**A. Compulsory Modules**

You must take all five modules in this table

Code	Title	ECTS	Pass-mark	Assessments		
BIOE60005	Bioengineering Group Project	20	40%	Written report	15%	Literature mind map
				Written report	10%	Literature highlights
				Presentation	20%	Project pitch
				Written report	40%	Final report
				Other	15%	Brochure pitch
BIOE94036	Intercalated Pre-sessional Mathematics and Programming	0	0%	N/A	N/A	N/A
BIOE60011	Probability, Statistics and Data Analysis	5	40%	Written exam	80%	Main exam
				Written report	20%	Matlab assignment
BIOE60028	iBSc Journal Club	5	40%	Written report	20%	Written review of assigned paper
				Presentation	80%	Oral Presentation
BIOE60017	Fundamentals of Biomedical Engineering	10	40%	Written exam	60%	Main exam
				Progress test	20%	Progress test 1
				Progress test	20%	Progress test 2

**B. Elective modules**

You must take four electives from this table

Code	Title	ECTS	Pass-mark	Assessments		
BIOE70012	Biomimetics	5	50%	Presentation	20%	Journal club
				Poster	80%	Group poster & proposal
BIOE70028	Medical Device Certification	5	50%	Written report	10%	Risk Management section
				Written report	10%	System Specification
				Written report	80%	Technical file
BIOE70014	Medical Device Entrepreneurship	5	50%	Written report	100%	Case study report
BIOE60003	Biomedical Instrumentation	5	40%	Written exam	50%	Main exam
				Written report	50%	Impedometric respirometer lab report
BIOE60008	Image Processing	5	40%	Written exam	80%	Main exam
				Quiz	20%	Quiz
BIOE60013	Tissue Engineering and Regenerative Medicine	5	40%	Written exam	60%	Main exam
				Poster	40%	Poster coursework
BIOE60031	Advanced Physiological Monitoring and Data Analysis	5	40%	Written exam	100%	Main exam
BIOE60026	Orthopaedic Biomechanics	5	40%	Written exam	76%	Final exam
				Problem sheet	8%	Problem sheet 1
				Problem sheet	8%	Problem sheet 2
				Problem sheet	8%	Problem sheet 3
BIOE60030	Neuroscience	5	40%	Written exam	100%	Main exam
BIOE60027	Cellular and Molecular Mechanotransduction	5	40%	Written exam	80%	Main exam
				Written report	20%	Assessing cytoskeleton

Table continued on next page...

BIOE60033	Ionising Tissue and Flow Imaging	5	40%	Written exam	100%	Main exam
BIOE60032	Bioengineering Approaches to Cancer	5	40%	Written exam	70%	Main exam
				Presentation	30%	Cancer research & oncology seminars

### Explanation of table

For each module:-

- 'ECTS' is an indication of how much time should be spent on the module in total, where 1 ECTS credit is 25-30 hours. This includes all teaching, private study, revision and assessment. A module's weighting – ie the contribution to the overall year mark, is proportional to the ECTS weighting (ECTS for module/ECTS for year)\*100. There are 60 ECTS in the year.
- Module 'pass-mark' indicates what mark must be achieved in the module to pass it, taking all assessments in that module into account. This is normally 40% for level 6 modules and 50% for level 7 modules.
- 'Assessments' indicate the type of each assessment within the module, the weighting of each assessment within the module, and the name of the assessment. Any assessment marked Pass/Fail must be passed for the module to be passed

### **GUIDANCE NOTES**

#### Rules for passing the year:

In order to pass the year and graduate with an iBSc, a student must:-

- Achieve the pass-mark for each module as shown in the table. The mark for each module is obtained by combining the marks for the module's individual assessments using the weightings shown. This aggregate mark must be greater than or equal to the module pass-mark.

#### What if I fail modules?

#### Compensation

A module is failed if its overall mark is below the pass-mark. However, under the following circumstances the module may be 'compensated' – ie considered a pass:-

- The module mark can be no further than 10% below the pass-mark.
- Compensation is at Exam Board discretion.
- A student can have no more than 15 ECTS of compensated modules.

#### Resits

Students are permitted resits in accordance with the Departmental resit policy:-

- In the absence of approved mitigating circumstances, and following any application of any compensation as described above, iBSc students who have failed modules at first attempt will normally be:
  - offered a capped in-year re-assessment opportunity of failed modules (normally if they have passed at least 45 ECTS in that year of programme.)
  - required by the Exam Board to retake the year in attendance, retake the failed modules, or resit the failed modules' assessments in the following year, (normally if they have passed at least 30 ECTS but fewer than 45) in that year of programme.
  - required to withdraw from the programme if they have demonstrated significant failure (as determined by the Exam Board – but normally defined as less than 30 ECTS passed at the first assessment opportunity).
- For non-completing students after in-year re-assessments have taken place, the Board of Examiners' decisions will normally be determined by clauses 163 and 166 of the Regulations of Taught Programmes of Study.
- For students with accepted mitigating circumstances affecting assessments:-
  - It is ultimately the Exam Board that decides on any action to be taken in response to accepted mitigation.
  - If the module is passed, there is normally no further action, but the mitigation can be taken into account at the final degree exam board (clause 158 of the Regulations of Taught Programmes of Study).
  - If the module is not passed, a deferred attempt at the affected assessment will normally be offered in the summer resit period as an opportunity to complete. If the student has multiple affected assessments, the student can choose to take all or some of these during the summer re-assessment period or return to take them at the next available opportunity. However, advice will be offered to the student by Board of Examiners, the Director of Teaching, the Academic Tutor and the Student Well-being Adviser.

#### Final degree classifications:

- First – a student must achieve an aggregate mark of at least 70%
- Upper second – a student must achieve an aggregate mark of at least 60%
- Lower second – a student must achieve an aggregate mark of at least 50%
- Third – a student must achieve an aggregate mark of at least 40%