Imperial College London

DEPARTMENT OF BIOENGINEERING
Regulations for the award of Honours
BSc Biomedical Technology Ventures 2025-26

Modules
Compulsory Modules
You must take all eight modules in this table

Code	Title	ECTS	Weight %	Pass-mark	Assessments		
BIOE60022	Digital Healthcare	5	9.1	40%	Written exam	70%	Main exam
					Quiz	30%	MCQ Quizes about practicals
BIOE60023	Medical Device Entrepreneurship 2	5	9.1	40%	Written report	70%	Module report
					Presentation	30%	Q & A
BIOE60036	BSc BTV Group Project	20	36.4	40%	Written report	0%	Literature mind map
					Written report	10%	Literature highlights
					Presentation	10%	Project pitch
					Written report	50%	Final report
					Other	10%	Brochure pitch
					Presentation	20%	Individual presentation
BIOE70028	Medical Device Certification PG	5	9.1	50%	Written report	10%	Risk Management section
					Written report	10%	System Specification
					Written report	80%	Technical file
BIOE60029	Principles of Biomedical Imaging	5	9.1	40%	Written exam	100%	Main exam
BIOE70022	Industrial Applications of Cellular Engineering	5	9.1	50%	Written exam	50%	Main exam
					Written report	50%	Critical report
BUSI60039	Business Strategy	5	9.1	40%	*Assessments set by the home department*		
I-EXPLORE	I-Explore	5	0	Pass/Fail	Set by I-Explore		

Elective modules
You must take one elective from this table

Code	Title	ECTS	Weight %	Pass-mark	Assessments		
BIOE60015	Advanced Imaging Technologies for Systems Biology	5	9.1	40%	Written exam	100%	Main exam
BIOE70150	Artificial Intelligence for Drug Discovery	5	9.1	50%	Written exam	75%	Main exam
					Progress test	25%	Progress test
BIOE70149	Nanotechnologies for cancer diagnosis and cancer therapy	5	9.1	50%	Written exam	60%	Main exam
					Written report	40%	Research project
BIOE60008	Image Processing	5	9.1	40%	Written exam	80%	Main exam
					Quiz	20%	Quiz
BIOE70077	Reinforcement Learning for Bioengineers	5	9.1	50%	Progress test	25%	In-class test
					Written report	75%	Coursework
BIOE60010	Software Engineering for Bioengineers	5	9.1	40%	Written report	75%	Project report
					Progress test	25%	Programming test
					Presentation	0%	Requirements presentation
BIOE60012	Foundations of Synthetic Biology	5	9.1	40%	Written exam	67%	Main exam
					Written report	33%	Experimental lab report
BIOE60013	Tissue Engineering and Regenerative Medicine	5	9.1	40%	Written exam	60%	Main exam
					Poster	40%	Poster coursework
BIOE60026	Orthopaedic Biomechanics	5	9.1	40%	Written exam	70%	Final exam
					Problem sheet	15%	Problem sheet 1
					Problem sheet	15%	Problem sheet 2

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BIOE60024	Modelling in Biology	5	9.1	40%	Written exam	80%	Main exam	
					Problem sheet	10%	Part 1: Deterministic Nonlinear Dynamics	
					Problem sheet	10%	Part 2: Stochastic Processes and Networks	
BIOE70076	Communicating Biomedical Science and Engineering	5	9.1	50%	Presentation	40%	Summary presentation	
					Practical	0%	Teacher's Evaluation	
					Written report	60%	Reflective logbook	
BIOE60030	Neuroscience	5	9.1	40%	Written exam	100%	Main exam	
BIOE60031	Advanced Physiological Monitoring and Data Analysis	5	9.1	40%	Written exam	100%	Main exam	
BIOE60032	Bioengineering Approaches to Cancer	5	9.1	40%	Written exam	70%	Main exam	
					Presentation	30%	Cancer research & oncology seminars	
BIOE70011	Brain Machine Interfaces	5	9.1	50%	Progress test	25%	Progress test	
					Written report	75%	BMI competition.	
BIOE70035	Non-Ionising Functional and Tissue Imaging	5	9.1	50%	Written exam	100%	Main exam	
BIOE70068	Financial Forecasting, Deal Structuring and Negotiations	5	9.1	50%	Coursework	60%	Forecasting tool	
					Written report	40%	Group negotiation strategy document	
BIOE70069	Effective communication skills	5	9.1	50%	Presentation	50%	2 mins elevator pitch	
					Written report	20%	500 word (max) non-confidential project summary	
					Presentation	30%	10-12 slide non-confidential deck	

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. There are 60 ECTS in the year.
- 'Weight' shows the contribution to the year mark in percent. I-Explore must be passed but does not contribute to the overall year mark.
- 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

Guidance notes on next page….

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GUIDANCE NOTES

Contribution to final degree marks
- BSc year weightings
  The weightings of years 1,2,3 for the BSc are 7.5%, 35%, 57.5% respectively

Rules for Year 3
- In year 3 students must take all compulsory modules and one elective1
- In order to pass year 3, a student must:-
  - Achieve a Pass in I-Explore
  - Achieve the pass-mark in all other modules
  - Achieve an aggregate year mark of at least 40%.

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 in year 3.

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, Year 3 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-progressing students after in-year re-assessments have taken place, the Board of Examiners' decisions will normally be determined by clauses 167 and 170 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 162 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 progress. 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 degree mark of at least 70%
- Upper second – a student must achieve an aggregate degree mark of at least 60%
- Lower second – a student must achieve an aggregate degree mark of at least 50%
- Third – a student must achieve an aggregate degree mark of at least 40%