Imperial College
London

DEPARTMENT OF LIFE SCIENCES

Scheme for the Award of Honours
Biochemistry & Biotechnology Degrees 2019-20
For students admitted before 2019-20

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Scheme for the Award of Honours
Biochemistry & Biotechnology Degrees 2019-20:

1 General. This scheme is that formally accepted by Imperial College London for the award of:

BSc Honours

3 year degrees

- ***Biochemistry*** **(C700)**
- ***Biotechnology*** **(J700)**
- ***Biochemistry with Management*** **(C7N2)**

4 year degrees

- ***Biochemistry with Management*** **(C7NG)**
- ***Biotechnology with Management*** **(J7N2)**
- ***Biochemistry with Research Abroad*** **(C702)**
- ***Biotechnology with Research Abroad*** **(J701)**
- ***Biochemistry with a Year in Industry / Research*** **(C701)**
- ***Biotechnology with a Year in Industry / Research*** **(J702)**
- ***Biochemistry with Management and a Year in Industry / Research*** **(C7NF)**
- ***Biochemistry with French for Science*** **(C7R1)**
- ***Biochemistry with German for Science*** **(C7R2)**
- ***Biochemistry with Spanish for Science*** **(C7R4)**
- ***Biotechnology with French for Science*** **(J7R1)**
- ***Biotechnology with German for Science*** **(J7R2)**
- ***Biotechnology with Spanish for Science*** **(J7R4)**

5 year degrees

- ***Biochemistry with Management with a Year in Industry/Research*** **(C7NA)**
- ***Biotechnology with Management with a Year in Industry/Research*** **(J7NF)**

2 Degree Classification

2.1 Taking a Course. The word '*take'* in the context of these regulations means that the student has attended the timetabled parts of a course (unless prevented by illness or injury), sat its examination and submitted the course work specified for it.

2.2 ECTS Each course is assigned an ECTS value.

Each year of all the degrees, with the exception of the 'with a Language for Science' degrees, is worth 60 ECTS. The 'with a Language for Science' degrees have additional ECTS assigned to the language component of the degrees. ECTS values for Biochemistry and Biotechnology degrees are shown in the tables in section 2.4.1.

To proceed from the first year, students must have gained 60 ECTS credits.

To proceed from the second year, pass marks must be obtained in all Biochemistry courses and the supplementary option (60 ECTS).

2.3 Course weighting
Within each year, courses are weighted according to their ECTS value.

2.4

2.4.1 ECTS values

Programme Title: Biochemistry BSc
Programme Codes: C700

Year of Course	Course Element	Explanation of element components	Total Hours spent on Element	ECTS Allocation
1	Biological Chemistry	Written paper (3 hours; 10 short answers, 4 essay/problem questions). Coursework.	375	15
1	Proteins and Enzymes	Written paper (3 hours; 25 MCQs, 4 essay/problem questions). Coursework.	375	15
1	Cell Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
1	Molecular Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
2	Fundamentals of Molecular Biochemistry	Written paper (3 hours) Coursework	250	10
2	Genes and Genomics	Written paper (3 hours) Coursework	250	10
2	Protein Science	Written paper (3 hours) Coursework	250	10
2	Integrative Cell Biology	Written paper (3 hours) Coursework	250	10
2	2nd year Optional module	Written paper (3 hours) Coursework	175	7
2	Tutored Dissertation	Dissertation	175	7
2	Horizons/ Business for Professional Engineers & Scientists (BPES)	Written Paper (Various)	150	6
3	1st option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
3	2nd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
3	3rd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
3	EITHER Research Project	Project dissertation, laboratory performance assessment, poster, oral examination (*viva voce*)	525	21
3	OR Literature Project	Project dissertation, presentation, oral examination (*viva voce*)	325	13
3	AND Science Communication	Coursework	200	8
Total			4500	180

Programme Title: Biotechnology BSc
Programme Codes: J700

Year of Course	Course Element	Explanation of element components	Total Hours spent on Element	ECTS Allocation
1	Biological Chemistry	Written paper (3 hours; 10 short answers, 4 essay/problem questions). Coursework.	375	15
1	Proteins and Enzymes	Written paper (3 hours; 25 MCQs, 4 essay/problem questions). Coursework.	375	15
1	Cell Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
1	Molecular Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
2	Fundamentals of Molecular Biochemistry	Written paper (3 hours) Coursework	250	10
2	Genes and Genomics	Written paper (3 hours) Coursework	250	10
2	Protein Science	Written paper (3 hours) Coursework	250	10
2	Integrative Cell Biology	Written paper (3 hours) Coursework	250	10
2	Topics in Biotechnology	Written paper (3 hours) Coursework	175	7
2	Tutored Dissertation	Dissertation	175	7
2	Horizons / Business for Professional Engineers & Scientists (BPES)	Written Paper (Various)	150	6
3	1st option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
3	2nd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
3	3rd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
3	EITHER Research Project	Project dissertation, laboratory performance assessment, poster, oral examination (*viva voce*)	525	21
3	OR Literature Project	Project dissertation, presentation, oral examination (*viva voce*)	325	13
3	AND Science Communication	Coursework	200	8
Total			4500	180

Programme Title: Biochemistry with placement year
Programme Codes: C701, C702

Year of Course	Course Element	Explanation of element components	Total Hours spent on Element	ECTS Allocation
1	Biological Chemistry	Written paper (3 hours; 10 short answers, 4 essay/problem questions). Coursework.	375	15
1	Proteins and Enzymes	Written paper (3 hours; 25 MCQs, 4 essay/problem questions). Coursework.	375	15
1	Cell Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
1	Molecular Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
2	Fundamentals of Molecular Biochemistry	Written paper (3 hours) Coursework	250	10
2	Genes and Genomics	Written paper (3 hours) Coursework	250	10
2	Protein Science	Written paper (3 hours) Coursework	250	10
2	Integrative Cell Biology	Written paper (3 hours) Coursework	250	10
2	2nd year Optional module	Written paper (3 hours) Coursework	175	7
2	Tutored Dissertation	Dissertation	175	7
2	Horizons / Business for Professional Engineers & Scientists (BPES)	Written Paper (Various)	150	6
3	Placement project	Project dissertation, oral examination (*viva voce*)	1500	60
4	1st option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
4	2nd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
4	3rd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
4	EITHER Research Project	Project dissertation, laboratory performance assessment, poster, oral examination (*viva voce*)	525	21
4	OR Literature Project	Project dissertation, presentation, oral examination (*viva voce*)	325	13
4	AND Science Communication	Coursework	200	8
Total			6000	240

Programme Title: Biotechnology BSc with placement year
Programme Codes: J701, J702

Year of Course	Course Element	Explanation of element components	Total Hours spent on Element	ECTS Allocation
1	Biological Chemistry	Written paper (3 hours; 10 short answers, 4 essay/problem questions). Coursework.	375	15
1	Proteins and Enzymes	Written paper (3 hours; 25 MCQs, 4 essay/problem questions). Coursework.	375	15
1	Cell Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
1	Molecular Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
2	Fundamentals of Molecular Biochemistry	Written paper (3 hours) Coursework	250	10
2	Genes and Genomics	Written paper (3 hours) Coursework	250	10
2	Protein Science	Written paper (3 hours) Coursework	250	10
2	Integrative Cell Biology	Written paper (3 hours) Coursework	250	10
2	Topics in Biotechnology	Written paper (3 hours) Coursework	175	7
2	Tutored Dissertation	Dissertation	175	7
2	Horizons / Business for Professional Engineers & Scientists (BPES)	Written Paper (Various)	150	6
3	Placement project	Project dissertation, oral examination (*viva voce*)	1500	60
4	1st option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
4	2nd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
4	3rd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
4	EITHER Research Project	Project dissertation, laboratory performance assessment, poster, oral examination (*viva voce*)	525	21
4	OR Literature Project	Project dissertation, presentation, oral examination (*viva voce*)	325	13
4	AND Science Communication	Coursework	200	8
Total			6000	240

Programme Title: Biochemistry & Management BSc (3 years)
Programme Code: C7N2

Year of Course	Course Element	Explanation of element components	Total Hours spent on Element	ECTS Allocation
1	Biological Chemistry	Written paper (3 hours; 10 short answers, 4 essay/problem questions). Coursework.	375	15
1	Proteins and Enzymes	Written paper (3 hours; 25 MCQs, 4 essay/problem questions). Coursework.	375	15
1	Cell Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
1	Molecular Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
2	Fundamentals of Molecular Biochemistry	Written paper (3 hours) Coursework	250	10
2	Genes and Genomics	Written paper (3 hours) Coursework	250	10
2	Protein Science	Written paper (3 hours) Coursework	250	10
2	Integrative Cell Biology	Written paper (3 hours) Coursework	250	10
2	2nd year Optional module	Written paper (3 hours) Coursework	175	7
2	Tutored Dissertation	Dissertation	175	7
2	Horizons / Business for Professional Engineers & Scientists (BPES)	Written Paper (Various)	150	6
3	Management Year		1500	60
Total			4500	180

Programme Title: Biochemistry & Management BSc (4 years)
Programme Code: C7NG

Year of Course	Course Element	Explanation of element components	Total Hours spent on Element	ECTS Allocation
1	Biological Chemistry	Written paper (3 hours; 10 short answers, 4 essay/problem questions). Coursework.	375	15
1	Proteins and Enzymes	Written paper (3 hours; 25 MCQs, 4 essay/problem questions). Coursework.	375	15
1	Cell Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
1	Molecular Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
2	Fundamentals of Molecular Biochemistry	Written paper (3 hours) Coursework	250	10
2	Genes and Genomics	Written paper (3 hours) Coursework	250	10
2	Protein Science	Written paper (3 hours) Coursework	250	10
2	Integrative Cell Biology	Written paper (3 hours) Coursework	250	10
2	2nd year Optional module	Written paper (3 hours) Coursework	175	7
2	Tutored Dissertation	Dissertation	175	7
2	Horizons / Business for Professional Engineers & Scientists (BPES)	Written Paper (Various)	150	6
3	1st option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
3	2nd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
3	3rd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
3	EITHER Research Project	Project dissertation, laboratory performance assessment, poster, oral examination (*viva voce*)	525	21
3	OR Literature Project	Project dissertation, presentation, oral examination (*viva voce*)	325	13
3	AND Science Communication	Coursework	200	8
4	Management Year		1500	60
Total			6000	240

Programme Title: Biotechnology & Management BSc (4 years)
Programme Code: J7N2

Year of Course	Course Element	Explanation of element components	Total Hours spent on Element	ECTS Allocation
1	Biological Chemistry	Written paper (3 hours; 10 short answers, 4 essay/problem questions). Coursework.	375	15
1	Proteins and Enzymes	Written paper (3 hours; 25 MCQs, 4 essay/problem questions). Coursework.	375	15
1	Cell Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
1	Molecular Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
2	Fundamentals of Molecular Biochemistry	Written paper (3 hours) Coursework	250	10
2	Genes and Genomics	Written paper (3 hours) Coursework	250	10
2	Protein Science	Written paper (3 hours) Coursework	250	10
2	Integrative Cell Biology	Written paper (3 hours) Coursework	250	10
2	Topics in Biotechnology	Written paper (3 hours) Coursework	175	7
2	Tutored Dissertation	Dissertation	175	7
2	Horizons / Business for Professional Engineers & Scientists (BPES)	Written Paper (Various)	150	6
3	1st option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
3	2nd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
3	3rd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
3	EITHER Research Project	Project dissertation, laboratory performance assessment, poster, oral examination (*viva voce*)	525	21
3	OR Literature Project	Project dissertation, presentation, oral examination (*viva voce*)	325	13
3	AND Science Communication	Coursework	200	8
4	Management Year		1500	60
Total			6000	240

Programme Title: Biochemistry with Management & Year in Industry BSc (4 years)
Programme Code: C7NF

Year of Course	Course Element	Explanation of element components	Total Hours spent on Element	ECTS Allocation
1	Biological Chemistry	Written paper (3 hours; 10 short answers, 4 essay/problem questions). Coursework.	375	15
1	Proteins and Enzymes	Written paper (3 hours; 25 MCQs, 4 essay/problem questions). Coursework.	375	15
1	Cell Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
1	Molecular Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
2	Fundamentals of Molecular Biochemistry	Written paper (3 hours) Coursework	250	10
2	Genes and Genomics	Written paper (3 hours) Coursework	250	10
2	Protein Science	Written paper (3 hours) Coursework	250	10
2	Integrative Cell Biology	Written paper (3 hours) Coursework	250	10
2	2nd year Optional module	Written paper (3 hours) Coursework	175	7
2	Tutored Dissertation	Dissertation	175	7
2	Horizons / Business for Professional Engineers & Scientists (BPES)	Written Paper (Various)	150	6
3	Placement project	Project dissertation, oral examination (*viva voce*)	1500	60
4	Management Year		1500	60
Total			6000	240

Programme Title: Biochemistry with placement year & Management BSc (5 years)
Programme Code: C7NA

Year of Course	Course Element	Explanation of element components	Total Hours spent on Element	ECTS Allocation
1	Biological Chemistry	Written paper (3 hours; 10 short answers, 4 essay/problem questions). Coursework.	375	15
1	Proteins and Enzymes	Written paper (3 hours; 25 MCQs, 4 essay/problem questions). Coursework.	375	15
1	Cell Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
1	Molecular Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
2	Fundamentals of Molecular Biochemistry	Written paper (3 hours) Coursework	250	10
2	Genes and Genomics	Written paper (3 hours) Coursework	250	10
2	Protein Science	Written paper (3 hours) Coursework	250	10
2	Integrative Cell Biology	Written paper (3 hours) Coursework	250	10
2	2nd year Optional module	Written paper (3 hours) Coursework	175	7
2	Tutored Dissertation	Dissertation	175	7
2	Horizons/ Business for Professional Engineers & Scientists (BPES)	Written Paper (Various)	150	6
3	Placement project	Project dissertation, oral examination (*viva voce*)	1500	60
4	1st option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
4	2nd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
4	3rd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
4	EITHER Research Project	Project dissertation, laboratory performance assessment, poster, oral examination (*viva voce*)	525	21
4	OR Literature Project	Project dissertation, presentation, oral examination (*viva voce*)	325	13
4	AND Science Communication	Coursework	200	8
5	Management Year		1500	60
Total			7500	300

Programme Title: Biotechnology with placement year & Management BSc (5 years)
Programme Code: J7NF

Year of Course	Course Element	Explanation of element components	Total Hours spent on Element	ECTS Allocation
1	Biological Chemistry	Written paper (3 hours; 10 short answers, 4 essay/problem questions). Coursework.	375	15
1	Proteins and Enzymes	Written paper (3 hours; 25 MCQs, 4 essay/problem questions). Coursework.	375	15
1	Cell Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
1	Molecular Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
2	Fundamentals of Molecular Biochemistry	Written paper (3 hours) Coursework	250	10
2	Genes and Genomics	Written paper (3 hours) Coursework	250	10
2	Protein Science	Written paper (3 hours) Coursework	250	10
2	Integrative Cell Biology	Written paper (3 hours) Coursework	250	10
2	Topics in Biotechnology	Written paper (3 hours) Coursework	175	7
2	Tutored Dissertation	Dissertation	175	7
2	Horizons/ Business for Professional Engineers & Scientists (BPES)	Written Paper (Various)	150	6
3	Placement project	Project dissertation, oral examination (*viva voce*)	1500	60
4	1st option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
4	2nd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
4	3rd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
4	EITHER Research Project	Project dissertation, laboratory performance assessment, poster, oral examination (*viva voce*)	525	21
4	OR Literature Project	Project dissertation, presentation, oral examination (*viva voce*)	325	13
4	AND Science Communication	Coursework	200	8
5	Management Year		1500	60
Total			7500	300

Programme Title: Biochemistry BSc with a Language for Science
Programme Codes: C7R1, C7R2, C7R4

Year of Course	Course Element	Explanation of element components	Total Hours spent on Element	ECTS Allocation
1	Biological Chemistry	Written paper (3 hours; 10 short answers, 4 essay/problem questions). Coursework.	375	15
1	Proteins and Enzymes	Written paper (3 hours; 25 MCQs, 4 essay/problem questions). Coursework.	375	15
1	Cell Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
1	Molecular Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
1	Language course, History and Extension course	Written papers (1 hour and 2 hours); oral examination; twelve pieces of coursework.	300	12
2	Fundamentals of Molecular Biochemistry	Written paper (3 hours) Coursework	250	10
2	Genes and Genomics	Written paper (3 hours) Coursework	250	10
2	Protein Science	Written paper (3 hours) Coursework	250	10
2	Integrative Cell Biology	Written paper (3 hours) Coursework	250	10
2	2nd year Optional module	Written paper (3 hours) Coursework	175	7
2	Tutored Dissertation	Dissertation	175	7
2	Language course, Science and Technology in German / French / Spanish speaking countries and Extension Course	Written papers (1 hour and 2 hours); oral examination and presentation; ten pieces of coursework.	300	12
3	Placement project	Project dissertation, oral examination (*viva voce*)	1250	50
3	Extended Humanities Project	Cultural report in the language of host country	400	16
4	1st option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
4	2nd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
4	3rd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
4	Translation for Life Sciences course	Written paper (3 hours); oral examination and presentation; six pieces of coursework.	150	6
4	EITHER Research Project	Project dissertation, laboratory performance assessment, poster, oral examination (*viva voce*)	525	21
4	OR Literature Project	Project dissertation, presentation, oral examination (*viva voce*)	325	13
4	AND Science Communication	Coursework	200	8
Total			6750	270

Programme Title: Biotechnology BSc with a Language for Science
Programme Codes: J7R1, J7R2, J7R4.

Year of Course	Course Element	Explanation of element components	Total Hours spent on Element	ECTS Allocation
1	Biological Chemistry	Written paper (3 hours; 10 short answers, 4 essay/problem questions). Coursework.	375	15
1	Proteins and Enzymes	Written paper (3 hours; 25 MCQs, 4 essay/problem questions). Coursework.	375	15
1	Cell Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
1	Molecular Biology	Written paper (3 hours; 25 MCQs, 3 essay/problem questions). Coursework.	375	15
1	Language course, History and Extension course	Written papers (1 hour and 2 hours); oral examination; twelve pieces of coursework.	300	12
2	Fundamentals of Molecular Biochemistry	Written paper (3 hours) Coursework	250	10
2	Genes and Genomics	Written paper (3 hours) Coursework	250	10
2	Protein Science	Written paper (3 hours) Coursework	250	10
2	Integrative Cell Biology	Written paper (3 hours) Coursework	250	10
2	Topics in Biotechnology	Written paper (3 hours) Coursework	175	7
2	Tutored Dissertation	Dissertation	175	7
2	Language course, Science and Technology in German / French / Spanish speaking countries and Extension Course	Written papers (1 hour and 2 hours); oral examination and presentation; ten pieces of coursework.	300	12
3	Placement project	Project dissertation, oral examination (*viva voce*)	1250	50
3	Extended Humanities Project	Cultural report in the language of host country	400	16
4	1st option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
4	2nd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
4	3rd option	Written paper (3 hours; 3 essay/problem questions). Coursework.	325	13
4	Translation for Life Sciences course	Written paper (3 hours); oral examination and presentation.; six pieces of coursework.	150	6
4	EITHER Research Project	Project dissertation, laboratory performance assessment, poster, oral examination (*viva voce*)	525	21
4	OR Literature Project	Project dissertation, presentation, oral examination (*viva voce*)	325	13
4	AND Science Communication	Coursework	200	8
Total			6750	270

2.5 Year Weighting. A candidate's final degree mark is the weighted mean of the mean percentage total marks scored in each year as shown in the following tables. The placement year in the 'Year in Industry/Research', 'Research Abroad' and 'with French/German/Spanish for Science' degrees has zero weighting. The weighting of years for students entering directly into the Second Year onwards will be those of the degree programme they enter, with the year weights rescaled to sum to 1.

2.5.1 Year Weightings

Code	Title	Duration	Year weighting
C700	BSc Biochemistry	3 years	1:3:5
C7N2	BSc Biochemistry with Management	3 years	1:3:3
C7NG	BSc Biochemistry with Management	4 years	1:3:5:5
C702	BSc Biochemistry with Research Abroad	4 years	1:3:0:5
C701	BSc Biochemistry with a Year in Industry/Research	4 years	1:3:0:5
C7NF	BSc Biochemistry with Management and a Year in Industry/Research	4 years	1:3:0:3
C7NA	BSc Biochemistry with Management with a Year in Industry/Research	5 years	1:3:0:5:5
J700	BSc Biotechnology	3 years	1:3:5
J7N2	BSc Biotechnology with Management	4 years	1:3:5:5
J701	BSc Biotechnology with Research Abroad	4 years	1:3:0:5
J702	BSc Biotechnology with a Year in Industry/Research	4 years	1:3:0:5
J7NF	BSc Biotechnology with Management with a Year in Industry/Research	5 years	1:3:0:5:5

C7R1	BSc Biochemistry with French for Science	4 years	1:3:0:5
C7R2	BSc Biochemistry with German for Science	4 years	1:3:0:5
C7R4	BSc Biochemistry with Spanish for Science	4 years	1:3:0:5
J7R1	BSc Biotechnology with French for Science	4 years	1:3:0:5
J7R2	BSc Biotechnology with German for Science	4 years	1:3:0:5
J7R4	BSc Biotechnology with Spanish for Science	4 years	1:3:0:5

1:3:5 is equivalent to 11.1% : 33.3% : 55.6%
1:3:3 is equivalent to 14.3% : 42.9% : 42.9%
1:3:5:5 is equivalent to 7.1% : 21.4 % : 35.7% : 35.7%

(note: the per cent weightings do not necessarily add up to 100% due to rounding)

2.6 Class Boundaries. This final degree mark will be used to classify BSc Honours degrees according to the following notional boundaries (though see Section 8 for moderation criteria):

First class	70 - 100%
Upper second class	60 - 69%
Lower second class	50 - 59%
Third class	40 - 49%
Fail	0 - 39%

When a mark of X9.5% is obtained the higher class is given; thus, 69.5 is First class.

2.7 Aegrotat Provisions. A student who is unable to complete their final year exams because of illness, or the death of a near relative, may be considered for a degree under the 'aegrotat' provisions, as follows:

If the student has satisfied the requirements for the degree, they may be awarded a normal, classified degree. OR

If the student is effectively prevented from satisfying these provisions, the Board may recommend an Aegrotat Degree in lieu of resitting the relevant exams the following year (Section 3.6); an Aegrotat Degree is normally awarded without classification.

3 Assessment of Performance

3.1 Taught courses. To pass a course and gain the corresponding ECTS, candidates must achieve the pass mark for coursework and for the examination(s). Courses are weighted as follows:

Coursework (tutorials, essays, practicals)	usually 25%, exceptionally 20%
Examination	usually 75%, exceptionally 80%

Courses taken in the Centre for Languages, Culture and Communication or the Business School may be weighted differently.

3.2 Pass Marks. The pass mark for students is 40%, with the requirement that a student must obtain a minimum of 35% in the coursework component and a minimum of 35% in the examination to pass.

3.3 Course work. Receipt of marks for assessed course work is absolutely dependent upon the student delivering the work by the stated deadlines (making due allowance for sickness - see Section 4). Marks for assessed practical class reports can be gained only by students who attend and perform the relevant practical work.

3.3.1 Penalties for Late Coursework Submission

Work submitted up to one (1) day after the assessment deadline (date and time) will be marked but capped at the pass mark. Work submitted more than one (1) day late will not be accepted as a valid attempt and a mark of **zero** will be recorded. For the final year project report, the penalty is 1% per hour with a maximum penalty of 5% per day. For items where multiple submissions are required (*e.g.* a hard-copy and an electronic copy), penalties will usually apply unless all the required items have been submitted.

3.4 Final Year Research Project. This will be assessed as follows:
The supervisor will complete a report on the student's performance during the project and provide a mark for this performance. The written report and a poster (for laboratory projects only) are marked independently by the project supervisor and two other examiners. The examiners will also assess the student by *viva voce*, where students will give a powerpoint presentation summarizing their project lasting 10-15 minutes and after this be prepared to answer questions of a general biochemical nature as well as specific ones about the project. Each examiner must produce a written justification of their marks.

For laboratory (and field) projects, the final mark is determined from the following weighted components:

- Online and printed poster: 10%
- Specialist examiner assessment of the written report: 27.5%
- Assessor assessment of the written report: 27.5%
- Powerpoint presentation & viva assessment: 20%
- Supervisor assessment of written report & lab performance: 15%

For literature projects, the final mark is determined from the following weighted components:

- Specialist examiner assessment of the written report: 30%
- Assessor assessment of the written report: 30%
- Powerpoint presentation & viva assessment: 25%
- Supervisor assessment of the written report: 15%

Project marks will be moderated by a sub-board of the Biochemistry Board of Examiners, who can require a project to be marked independently by an additional member of staff. Any revised mark must be agreed by the Chair of the Board of Examiners.

3.5 Moderation Vivas. Before the Board meets to consider Finals moderations, the External Examiners will interview candidates on class borderlines (see Section 8). A senior member of the Board of Examiners will attend these vivas as an observer.

3.6 Re-sit Examinations. A student who fails an examination may be reassessed for it in the following ways.

3.6.1 A student who fails an examination is entitled to re-sit the written examination the next two times it is offered. First and second year (and third or fourth year for students taking the 4-year Joint Honours 'with Management' degrees or the 5-year 'with Management with a Year in Industry/Research' degrees) students will be invited to September re-sit examinations. Final year students may, at the discretion of the examiners, and only where they have not qualified for the award of a degree, be permitted to re-sit final year examinations that they have failed, on no more than two occasions. Re-sits for final year examinations are not normally available in September. A student who passes an examination at re-sit will normally be allowed to carry over their course work mark for that course. A pass mark only is normally credited for an examination passed at a re-sit.

3.6.2 A candidate who has taken a course (see Section 2.1) but fails to sit its exam because of ill-health, bereavement or other mitigating circumstances will normally be allowed to carry over their course work mark for that course to when they next take the examination. Under these circumstances the student will be given full credit for the examination.

4 Coursework completion

A candidate who has attended most of a course but fails to complete the course work component because of ill-health or bereavement will normally be allowed to re-submit the course work by a new deadline, or if a reasonable proportion of the course work has been completed, the mark may be scaled up proportionately at the discretion of the Chair of the Board of Examiners.

4.1 A student who fails the course work component of a course will normally be requested to withdraw from college. For marginal failures (within 2.5% of the pass mark) substitute work may be set at the discretion of the Board of Examiners. In this situation a pass mark only is normally credited for successful completion of course work.

5 Placement Year

5.1 BSc degrees with a Year in Industry / Research

Placements are arranged during the second year and are at the discretion of the Sub-board. The student's academic record must be at the upper second class level to be permitted to undertake a placement, otherwise the student will return to College for their final year and they will not be eligible for the degree title.

Students undertake supervised research projects in Industry or Research Institutes (Year in Industry / Research degrees) for a period of at least 34 weeks. Their work is assessed but the mark is not used in the calculation of the final degree result. Satisfactory reports from Imperial College examiners are required for the award of the degree title.

5.2 BSc degrees with Research Abroad

Placements are arranged during the second year and are at the discretion of the Sub-board. The student's academic record must be at the upper second class level to be permitted to undertake a placement, otherwise the student will return to College for their final year and they will not be eligible for the degree title.

Students undertake supervised research projects in university laboratories abroad, most commonly in continental Europe, but also in North America or further afield for a period of at least 34 weeks. Students also write a non-biochemical dissertation on a socio-economic aspect of the region in which the year is spent. To prepare for the year abroad, the second year Horizons course normally must be in the language of the host country. Their work is assessed but the mark is not used in the calculation of the final degree result. Satisfactory reports from Imperial College examiners are required for the award of the degree title.

6 Final Year

6.1 Final Year of BSc degrees (with no Management component)

After consultation with their personal tutor, students will select three courses (indicating a preference) and be allocated one course from each block of options (1-3 chronologically), from amongst the following:

Option 1:

Stem Cells, Regeneration and Ageing (1)
Damage and Repair in Biological Systems (1)
Structural Biology & Drug Design (4)
Plant Biotechnology and Development (4)
Medical Microbiology (2)
Neuroscience Research (1)
Metabolic and Network Engineering (5)
Principles of Development (1)

Option 2:

Integrative Systems Biology (5)
Mechanisms of Gene Expression (3)
Cancer (2)
Advanced Topics in Parasitology and Vector Biology (2)
Symbiosis, Plant Immunity and Disease (1)
Advanced Topics in Infection and Immunity (2)
Advanced Bacterial & Eukaryotic Cell Biology (1)
The Microbiome (2)

Option 3:

Medical Glycobiology (4)
Synthetic Biology (5)
Molecular Basis of Bacterial Infection (3)
Systems Neuroscience (1)
Bioinformatics (4)
Biodiversity Genomics (2)
Advanced Immunology (1)

As course numbers are capped, some students may be allocated their second choice.

Students taking BSc degrees will carry out full-time a Research Project or Literature Project, part of the assessment of which will be a *viva voce* by two staff members (see Section 3.4). Students undertaking a Literature Project will also be required to undertake the Science Communication course.

6.1.1 To qualify for a degree title that includes Biotechnology, candidates are required to take the Topics in Biotechnology module in the second year and a combination of final year courses with a high biotechnology content in the final year. An estimate of this content is given for each course by the number in parentheses above. The total for the three courses taken should normally be at least 8.

6.2 Final Year of BSc degrees with Management

Students will follow courses in the Business School that make up the Management year of the Joint Honours degrees.

7 Degree details

7.1 Details for Three-Year Biochemistry BSc Degrees (C700)

7.1.1 First Year. Four modules must be taken (see Section 2.1) by all students, who must pass all courses to proceed to the second year.

7.1.2 Second Year. Each student must take four core modules from the Biochemistry syllabus along with the Tutored Dissertation and one module from either:

Topics in Biotechnology
Challenges in Cell Biology
Applied Molecular Biochemistry

They must also take an approved module offered by the Horizons Programme or the Business School. All modules must be passed for a student to proceed to the third year.

7.1.3 Third Year. All students must take three courses either from the Biochemistry syllabus or from the BSc Biology syllabus in the Autumn term and in the first half of the Spring term. In the second half of the Spring term and in the Summer term, all students must conduct an individual, supervised laboratory project or undertake an individual, supervised literature project together with the Science Communication course. To be awarded an Honours degree, a candidate must normally pass all third year courses.

7.2 Details for Three-Year Biotechnology BSc Degrees (J700)

7.2.1 First Year. Four modules must be taken (see Section 2.1) by all students, who must pass all courses to proceed to the second year.

7.2.2 Second Year. Each student must take four core modules from the Biochemistry syllabus along with the Tutored Dissertation and the Topics in Biotechnology module.

They must also take an approved module offered by the Horizons Programme or the Business School. All modules must be passed for a student to proceed to the third year.

7.2.3 Third Year. All students must take three courses with sufficient Biotechnology content either from the Biochemistry syllabus or from the BSc Biology syllabus in the Autumn term and in the first half of the Spring term (see Section 6.1.1 for details). In the second half of the Spring term and in the Summer term, all students must conduct an individual, supervised laboratory project or undertake an individual, supervised literature project together with the Science Communication course. To be awarded an Honours degree, a candidate must normally pass all third year courses.

7.3 Details for the Three-year BSc in Biochemistry with Management (C7N2)

7.3.1 First and Second Years. Conditions for these years are identical to those specified in Section 7.1, except that a Business School course should not be taken in Year 2. Students must pass all courses from the first two years in order to proceed to the third year.

7.3.2 Third Year. The third year must be spent in the Business School at Imperial taking their approved courses. To be awarded a Joint Honours degree, a candidate must normally pass all third year courses.

7.3.3 Boards of Examiners. Third-year marks will be assessed by a Business School Board of Examiners, including Business School external examiners. The final degree will be assessed, and the class to be awarded will be agreed by the Biochemistry with Management Joint Honours Examination Board consisting of senior members of the Biochemistry Board of Examiners, including one Biochemistry external examiner, and at least one representative of the Business School.

7.4 Details for the Four-year BSc in Biochemistry/Biotechnology with Management (C7NG and J7N2)

7.4.1 First, Second and Third Years. Conditions for these years are identical to those specified in Section 7.1 (Biochemistry) or Section 7.2 (Biotechnology), except that a Business School course should not be taken in Year 2.

7.4.2 Fourth Year. The fourth year must be spent in the Business School at Imperial taking approved courses, as described in Section 7.3.2. To be awarded a Joint Honours degree, a candidate must normally pass all fourth year courses.

7.4.3 Board of Examiners. The degree will be assessed as in Section 7.3.3.

7.5 Details for the Four-year BSc in Biochemistry/Biotechnology with a Year in Industry/Research (C701 and J702)

7.5.1 First and Second Years. Conditions for first and second years are as in Section 7.1 (Biochemistry) or Section 7.2 (Biotechnology), with progress to the second year and third year contingent upon passing all courses in the previous year. Acceptance for/commencement on a placement is not an alternative to this condition.

7.5.2 Third Year. In the third year, the student will spend at least 34 weeks working on an industrial placement. The student must complete a report on the industrial placement(s) and achieve a pass mark in the assessment of this report or reports (see Section 7.5.4).

If the student fails to obtain a placement which meets the Department's standards, or to complete the Industrial placement, or to complete the report, or to achieve a pass mark in the assessment of the placement year (see Section 7.5.4), they will be required to transfer to a 3-year Biochemistry/Biotechnology degree.

7.5.3 Fourth Year. Conditions for the fourth year are identical to those specified in Section 7.1.3 (Biochemistry) or Section 7.2.3 (Biotechnology) for the third year of the 3-Year BSc degree. To be awarded a Joint Honours degree in Biochemistry/Biotechnology with a Year in Industry/Research, a candidate must pass the placement year, as specified in Section 7.5.2 and must normally pass all fourth year courses.

7.5.4 Assessment of Placement Year in Industry/Research

The student must write a Placement Report and be examined by a viva on the industrial placement(s) (report to viva weighting 2:1), and achieve a pass mark on aggregate across the two components to progress to the Fourth Year. This mark will not count towards the final degree, but 60 ECTS will be credited for the Placement Year overall.

7.6 Details for the Four-year BSc in Biochemistry with Management and a Year in Industry/Research (C7NF)

7.6.1 First and Second Years. Conditions for these years are as in Section 7.1.

7.6.2 Third Year. Conditions for this year are identical to those in Section 7.5.2.

7.6.3 Fourth Year. The fourth year must be spent in the Business School at Imperial taking approved courses, as described in Section 7.3.2. To be awarded a Joint Honours degree, a candidate must normally pass all fourth year courses.

7.6.4 Board of Examiners. The degree will be assessed as in Section 7.3.3.

7.7 Details for the Five-year BSc in Biochemistry/Biotechnology with Management and a Year in Industry/Research (C7NA and J7NF)

7.7.1 First and Second Years. Conditions for these years are as in Section 7.1 (Biochemistry) or Section 7.2 (Biotechnology).

7.7.2 Third Year. Conditions for this year are identical to those in Section 7.5.2.

7.7.3 Fourth Year. Conditions for the fourth year are identical to those specified in Section 7.5.3 for the third year of the 3-Year BSc.

7.7.4 Fifth Year. The fifth year must be spent in the Business School at Imperial taking approved courses, as described in Section 7.3.2. To be awarded a Joint Honours degree, a candidate must normally pass all fifth year courses.

7.7.5 Board of Examiners. The degree will be assessed as in Section 7.3.3.

7.8 Details for the Four-year BSc in Biochemistry/Biotechnology with Research Abroad (C702 and J701)

7.8.1 First and Second Years. Conditions for these years are as specified in Section 7.1 (Biochemistry) or Section 7.2 (Biotechnology), except that during the second year the student will normally take appropriate language tuition as the Horizons option (unless they are assessed as already fluent in that language). Before the student will be allowed to proceed to the year abroad, they must satisfy the Centre for Languages, Culture and Communication that they have reached the necessary standard in the language, and must satisfy the Department of Life Sciences that they have achieved a high standard in their first and second year courses.

7.8.2 Third Year. This year will be spent conducting a research project in a University abroad, normally in another European country. This placement year must be passed in order for the student to graduate with the degree of Biochemistry/Biotechnology with Research Abroad.

7.8.3 Fourth Year. Conditions for the fourth year are identical to those specified in Section 7.1.3 (Biochemistry) or Section 7.2.3 (Biotechnology) for the third year of the 3-Year BSc degree. To be awarded a Joint Honours degree in Biochemistry/Biotechnology with Research Abroad, a candidate must pass the placement year, as specified in Section 7.8.2 and must normally pass all fourth year courses.

7.8.4 Assessment of Placement Year Abroad. The year will be assessed as follows:

(a) The student will write two reports, one on the research project (50 ECTS) and a non-biochemical dissertation on another aspect of the year abroad (10 ECTS), with the research project report including a summary written in the language of the host country. The student must achieve pass marks for these reports. This mark will not count towards the final degree.

(b) If the student fails this dual assessment, they will be required to withdraw from the 'Research Abroad' degree course and transfer their registration to a Biochemistry/Biotechnology degree programme the following October.

7.9 Details for the Four-Year BSc in Biochemistry/Biotechnology with French, German or Spanish for Science (C7R1, C7R2, C7R4, J7R1, J7R2, J7R4)

7.9.1 First Year. Conditions for the first year are as specified in Section 7.1.1 (Biochemistry) or Section 7.2.1 (Biotechnology). In addition, students must also take the language, history and politics courses offered by the Centre for Languages, Culture and Communication as part of this degree. All courses must be passed to proceed to the second year.

7.9.2 Second Year. Conditions for the second year are as specified in Section 7.1.2 (Biochemistry) or Section 7.2.2 (Biotechnology). In addition, students must also take the language, science and technology courses offered by the Centre for Languages, Culture and Communication as part of this degree. All courses must be passed to proceed to the third year. Students enrolled for these degrees undertake these language courses offered by the Centre for Languages, Culture and Communication instead of the Horizons/BPES course undertaken by students on other Biochemistry/Biotechnology degrees.

7.9.3 Third Year. This year is spent conducting a research project in a University abroad, normally in another European country, similar to the placement year described for the 'Research Abroad' degrees (Section 7.8.2). This placement year must be passed in order for the student to graduate with the degree of Biochemistry/Biotechnology with French, German or Spanish for Science.

7.9.4 Fourth Year. Conditions for the fourth year are identical to those specified in Section 7.1.3 (Biochemistry) or Section 7.2.3 (Biotechnology) for the third year of the 3-Year BSc degree. In addition, students undertake a language course, Translation for Life Sciences.

7.9.5 Assessment of Placement Year Abroad. The year will be assessed as follows:

(a) The student will write two reports, one on the research project (50 ECTS) and a cultural report in the target language on a topic related to their country of stay (16 ECTS). The student must achieve pass marks for these reports in order to graduate with the degree of Biochemistry/Biotechnology with French, German or Spanish for Science. This mark will not count towards the final degree.

(b) If the student fails this dual assessment, they will be required to withdraw from the Language for Science degree course and transfer their registration to a Biochemistry/Biotechnology degree programme the following October.

8. Degree Classification - Moderation

8.1 Normally, students with an overall mark up to and including 2.5% below the threshold mark for each degree class may be considered for moderation. Students in this moderation zone are invited for a moderation viva (see Section 3.5). For those students whose Final Year is taken in the Business School, there is no moderation viva, but moderation criteria are applied to their marks (see Section 8.4).

8.2 In addition to mitigating circumstances (including illness or injury, bereavements of close family members), criteria for moderation include performance in a *viva voce* examination with the external examiners (or, for students whose Final Year is taken in the Business School, the outcome of the moderation criteria) and performance in the final year. A candidate may be moderated into a different degree class from that associated with their aggregate mark only after consideration of these factors by the Board of Examiners.

8.3 Students who wish the Board of Examiners to consider mitigating circumstances (such as illness or family bereavements) that may have affected their performance in examinations, assessed course work or projects must inform the Senior Tutor, via the Life Sciences Education Office, of these circumstances promptly and in writing, using the mitigating circumstances form provided on Blackboard. Course convenors, personal tutors and project supervisors have a responsibility to notify the Senior Tutor of mitigating circumstances (such as illness or family bereavements) that may have affected the performance of a candidate in examinations, assessed course work or projects. Medical certificates will be required in the case of illness or injury, or appropriate documentation in cases of bereavement. All such mitigating circumstances and accompanying documentation must be supplied to the Life Sciences Education Office at least one week prior to the meeting of the Board of Examiners. These matters will be considered by a Mitigating Circumstances Committee, consisting of the Senior Tutor (Chair), Chair of the Board of Examiners, Director of Undergraduate Studies, the Life Sciences Examinations Officer and the Life Sciences Education Office Manager, who will make recommendations to the Board of Examiners. Retrospective submission of information will normally not be accepted by the Board of Examiners.

8.4 The following criteria apply only to those students whose Final Year is taken within the **Business School**. There are three categories of students to consider:

- Students on a borderline where high performance in the year in the Business School could be used as evidence for promotion (3 and 4 year "with Management" programs)
- Students on a borderline where high performance in the scientific component of their degree could be used as evidence for promotion (3 year "with Management" programs)
- Students on a borderline where high performance in the scientific component of their degree could be used as evidence for promotion (4 year "with Management" programs)

In all cases students on the pass/fail borderline will be dealt with by the departmental exam board procedures that apply to all students in such cases.

For these criteria, “Project” means either (i) a *Research Project*, or (ii) the weighted combination of a *Literature Project* and the *Science Communication* course.

8.4.1 Students on a borderline with relatively high performance in the year in the Business School (3 and 4 year "with Management" programs)

- **A First Class Honours degree** is awarded to students who have:
  - Passed all courses and their *Research Project* or *Literature Project* (where applicable); **and**
    - **either** attained a weighted average mark across all Years of at least 69.5% (which is rounded to 70%);
    - **or** achieved a weighted average mark across all Years of at least 67.5% and demonstrated their worthiness for a First Class degree by meeting one or more of the following criteria:
      a. A weighted mark for the Management Year of at least 75%
      b. Overall marks of at least 70% for at least 8 out of 10 Management Year modules
      c. At least 4 out of 10 of Management Year module results show mastery (*i.e.* marks exceeding 80%)

- **A 2A Honours degree** is awarded to students who have:
  - Passed all courses and their *Research Project* or *Literature Project* (where applicable); **and**
    - **either** attained a weighted average mark across all Years of at least 59.5% (which is rounded to 60%);
    - **or** achieved a weighted average mark across all Years of at least 57.5% and demonstrated their worthiness for a 2A Class degree by meeting one or more of the following criteria:
      a. A weighted mark for the Management Year of at least 65%
      b. Overall marks of at least 60% for at least 8 out of 10 Management Year modules
      c. At least 4 out of 10 of Management Year module results are first class

- **A 2B Honours degree** is awarded to students who have:
  - Passed all courses and their *Research Project* or *Literature Project*; **and**
    - **either** attained a weighted average mark across all Years of at least 49.5% (which is rounded to 50%);
    - **or** achieved a weighted average mark across all Years of at least 47.5% and demonstrated their worthiness for a 2B Class degree by meeting one or more of the following criteria:
      a. A weighted mark for the Management Year of at least 55%
      b. Overall marks of at least 50% for at least 8 out of 10 Management Year modules
      c. At least 4 out of 10 of Management Year module results are 2A or better

8.4.2 Students on a borderline with relatively high performance in the scientific component of their degree (3 year "with Management" programs)

- **A First class Honours degree** is awarded to students who do not satisfy the criteria for a First Class Honours degree but who nonetheless have:
  - Passed all courses; **and**
    - **either** attained a weighted average mark across all Years of at least 69.5% (which is rounded to 70%);
    - **or** achieved a weighted average mark across all Years of at least 67.5% and demonstrated their worthiness for a 1st class degree by meeting one or more of the following criteria:
      a. At least half of Second Year exam essay answers are 1st class standard or higher
      b. A weighted mark for the Second Year of at least 75%
      c. Overall marks of at least 70.00% for at least 4 out of 5 Second Year taught courses (not including the *Tutored Dissertation*)
      d. At least one third of Second Year exam essay answers show mastery (*i.e.* marks exceeding 80%)

- **A 2A Honours degree** is awarded to students who do not satisfy the criteria for a 2A Honours degree but who nonetheless have:
  - Passed all courses; **and**
    - **either** attained a weighted average mark across all Years of at least 59.5% (which is rounded to 60%);
    - **or** achieved a weighted average mark across all Years of at least 57.5% and demonstrated their worthiness for a 2A degree by meeting one or more of the following criteria:
      a. At least half of Second Year exam essay answers are 2A standard or higher
      b. A weighted mark for the Second Year of at least 65%
      c. Overall marks of at least 60.00% for at least 4 out of 5 Second Year taught courses (not including the *Tutored Dissertation*)
      d. At least one third of Second Year exam essay answers receive First Class marks

- **A 2B Honours degree** is awarded to students who do not satisfy the criteria for a 2B Honours degree but who nonetheless have:
  - Passed all courses; **and**
    - **either** attained a weighted average mark across all Years of at least 49.5% (which is rounded to 50%);
    - **or** achieved a weighted average mark across all Years of at least 47.5% and demonstrated their worthiness for a 2B degree by meeting one or more of the following criteria:
      a. At least half of Second Year exam essay answers are 2B standard or higher
      b. A weighted mark for the Second Year of at least 55%
      c. Overall marks of at least 50.00% for at least 4 out of 5 Second Year taught courses (not including the *Tutored Dissertation*)
      d. At least one third of Second Year exam essay answers receive 2A or higher marks

8.4.3 Students on a borderline with relatively high performance in the scientific component of their degree (4 year "with Management" programs)

- **A First Class Honours degree** is awarded to students who do not satisfy the criteria for a First Class Honours degree but who nonetheless have:
  - Passed all courses and their *Research Project* or *Literature Project*; **and**
    - **either** attained a weighted average mark across all Years of at least 69.5% (which is rounded to 70%);
    - **or** achieved a weighted average mark across all Years of at least 67.5% **and** an overall weighted mark of at least 67.5% for the first three years of the degree **and** demonstrated their worthiness for a First Class degree by meeting one or more of the following criteria:
      a. At least half of Third Year exam question marks are First Class
      b. A Third Year Project mark of at least 80%
      c. A weighted mark for the Third Year of at least 72%
      d. Overall marks of at least 70.00% for all three Third Year scientific courses
      e. At least one third of Third Year exam questions show mastery (*i.e.* marks exceeding 80%)

- **A 2A Honours degree** is awarded to students who do not satisfy the criteria for a 2A Honours degree but who nonetheless have:
  - Passed all courses and their *Research Project* or *Literature Project*; **and**
    - **either** attained a weighted average mark across all Years of at least 59.5% (which is rounded to 60%);
    - **or** achieved a weighted average mark across all Years of at least 57.5% **and** an overall weighted mark of at least 57.5% for the first three years of the degree **and** demonstrated their worthiness for a 2A degree by meeting one or more of the following criteria:
      a. At least half of Third Year exam question marks are 2A standard or higher
      b. A Third Year Project mark of at least 70%
      c. A weighted mark for the Third Year of at least 62%
      d. Overall marks of at least 60.00% for all three Third Year scientific courses
      e. At least one third of Third Year exam answers receive First Class marks

- **A 2B Honours degree** is awarded to students who do not satisfy the criteria for a 2B Honours degree but who nonetheless have:
  - Passed all courses and their *Research Project* or *Literature Project*; **and**
    - **either** attained a weighted average mark across all Years of at least 49.5% (which is rounded to 50%);
    - **or** achieved a weighted average mark across all Years of at least 47.5% **and** an overall weighted mark of at least 47.5% for the first three years of the degree **and** demonstrated their worthiness for a 2B degree by meeting one or more of the following criteria:
      a. At least half of Third Year exam question marks are 2B standard or higher
      b. A Third Year Project mark of at least 60%
      c. A weighted mark for the Third Year of at least 52%
      d. Overall marks of at least 50.00% for all three third Year scientific courses
      e. At least one third of Third Year exam answers receive 2A or First Class marks