

IMPERIAL COLLEGE LONDON
Department of Chemistry

ASSESSMENT STRUCTURE AND SCHEMES FOR THE AWARD OF HONOURS 2017-2018

List of courses
Course Unit Structure and Conditions for Students to Proceed
Scheme for the Award of Honours
Limitation of Credit for Re-sit Examinations
Criteria for Assessment of Classes Applied to
Oral Exams, Laboratory Coursework and Research Projects

While every effort has been made to present the information in this document accurately, the Department retains the right to alter any part of the Scheme for Award of Honours at short notice in order to remove errors. Students will be informed of any substantive changes to the document within 5 working days of the changes being made. It is expected that consultation with the student cohort affected by a potential substantive change will be made via the student reps in the first instance.

LIST OF COURSES

Courses are either single Honours (S) or joint Honours (J) types. At entry, single honours courses are either Master in Science (MSci), or Bachelor of Science (F100 Chemistry). Joint-honours courses are given in conjunction with the Business School or the Centre of Languages, Culture and Communication (CLCC). The 'with Molecular Physics' (F1F3/F1FH) courses are single honours given in conjunction with the Departments of Mathematics and Physics.

Single honours courses are based in Chemistry (C) but may include 8 months at an overseas university (A) during the final academic year or working in industry (I) for the penultimate year. Joint honours courses include periods of study in the Business School (BS) or the Centre of Languages, Culture and Communication (C+CLCC). The ratio of year totals, which will be used to calculate the overall degree total for the award of honours for these students, is given at the end of each course entry.

Code	Title	Degree	Honours type	Location of each year					Year total ratios
				1 st	2 nd	3 rd	4 th	5 th	
3-Year Courses:									
F100	Chemistry	BSc	S	C	C	C			1:3:5
F1N2	Chemical Sciences and Management	BSc	J	C	C	BS			1:3:3
4-Year Courses:									
F103	Chemistry	MSci	S	C	C	C	C		1:3:4:5
F104	Chemistry with Research Abroad	MSci	S	C	C	C	A		1:3:4:4
F1NF	Chemistry with Management	BSc	J	C	C	C	BS		1:3:5:5
F124	Chemistry with Medicinal Chemistry	MSci	S	C	C	C	C		1:3:4:5
F1F3	Chemistry with Molecular Physics	MSci	S	C	C	C	C		1:3:4:5
F1R1	Chemistry with French for Science	MSci	J	C+CLCC	C+CLCC	C+CLCC	A		1:3:4:4
F1R2	Chemistry with German for Science	MSci	J	C+CLCC	C+CLCC	C+CLCC	A		1:3:4:4
F1R4	Chemistry with Spanish for Science	MSci	J	C+CLCC	C+CLCC	C+CLCC	A		1:3:4:4
5-Year Courses:									
FN11	Chemistry with Management and a Year in Industry	BSc	J	C	C	C	I	BS	1:3:5:0:5
F105	Chemistry with a Year in Industry	MSci	S	C	C	C	I	C	1:3:4:0:5
F125	Chemistry with Medicinal Chemistry and a Year in Industry	MSci	S	C	C	C	I	C	1:3:4:0:5
F1FH	Chemistry with Molecular Physics and a Year in Industry	MSci	S	C	C	C	I	C	1:3:4:0:5
F101	Chemistry with Research Abroad and a Year in Industry	MSci	S	C	C	C	I	A	1:3:4:0:4

Please note that the year weightings shown in the above table are those that will apply to students entering College for the 2017–18 academic year. Previously, other weightings applied (see previous editions of this document), hence degree calculations shown from page 15 of this document, which apply to students graduating following the 2017–18 session, use different weightings.

COURSE COMPONENT STRUCTURE AND CONDITIONS FOR STUDENTS TO PROCEED

FIRST YEAR CHEMISTRY – [all programmes]

Course modules	ECTS ¹ Units	Contribution to Honours for Year % (to 1dp)
CHEM40001 Introduction to Chemistry	8	13.3
CHEM40002 Inorganic Chemistry 1	8	13.3
CHEM40003 Organic Chemistry 1	8	13.3
CHEM40004 Physical Chemistry 1*	8	13.3
CHEM40005 Chemistry Coursework 1**	22	36.7
Ancillary Subject***	6	10.0
TOTAL****	60	100

*A maths test (pass/fail) is a part of the CHEM40004 Physical Chemistry 1 module with additional support lectures (if diagnostic tests in the Autumn and Spring term are not satisfactory) in term 1 and term 2 (maths 1 and maths 2).

**The Chemistry Coursework I module is made up of a number of topics; the assessments for each topic are weighted in contribution to the Chemistry Coursework 1 overall mark with consideration for the size of the topic.

***Approved ancillaries are:

CHEM40007, Medicinal Chemistry 1,
CHEM40008: Maths and Physics for Chemistry 1 (MPC1).
Languages (Level 1 and above)

F1F3 and F1FH students must take CHEM40008: Maths and Physics for Chemistry 1 (MPC1). F124 and F125 students must take CHEM40007, Medicinal Chemistry 1. F1R1, F1R2, F1R4, and normally F104 and F101 (if attending to spend year abroad in a non-English speaking institution), students must take a language ancillary including a Year-in-Europe hour.

****F1R1, F1R2 and F1R4 students additionally take a course on the History and Politics of France, Germany or Spain (3 ECTS), giving a total of 63 ECTS for the year.

See p 4 for first year module topics and exam paper distributions.

The pass mark for all assessments is 40%. To qualify for entry into the second year students are required to pass ALL course modules. The pass mark for each module is 40% however it is not required to pass each individual assessment. Assessments which are pass/fail must be passed. Failure in an assessment which is pass/fail will result in failure in the module. For resit arrangements, see p 25 of this document.

¹ For details on the European Credit Transfer and Accumulation System (ECTS) please see http://ec.europa.eu/education/tools/ects_en.htm

First Year Module Topics

CHEM40001 Introduction to Chemistry topics:

	<i>January exam</i>
Atomic Structure	Paper 1
Alkenes, Alkynes and Alkanes	Paper 1
Quantum Chemistry I: Models	Paper 1
Spectroscopy and Characterisation	Paper 2
Structure, Mechanism, Reactivity and Stereochemistry	Paper 2
Spectroscopy	Paper 2

CHEM40002 Inorganic Chemistry 1 topics:

Molecular Structure
Periodicity and Inorganic Reactivity
Coordination Chemistry

All topics are examined on the June Inorganic Chemistry exam

CHEM40003 Organic Chemistry 1 topics:

Haloalkanes, Alcohols and Amines	33.3%
Chemistry of Carbonyl and Carboxyl Groups	33.3%
Introduction to Physical Organic Chemistry	16.7%
Aromatic Chemistry	16.7%

All topics are examined on the June Organic Chemistry exam

CHEM40004 Physical Chemistry 1 topics:

Thermodynamics I: Chemical Equilibria	33.3%
Thermodynamics 2: Molecular Driving Forces	33.3%
Chemical Kinetics	33.3%
Maths Test (pass/fail)	0%

All topics are examined on the June Physical Chemistry exam

CHEM40005 Chemistry Coursework 1; the assessments for each topic are weighted in contribution to the Chemistry Coursework 1 overall mark with consideration for the size of the topic, as follows:

<i>Topics</i>	
Introduction to Synthesis lab	15%
Synthesis lab: programmed practical	30%
Synthesis lab: group project	10%
Measurement Science I (formative)	0%
Physical Chemistry lab	25%
Python for Data Analysis workshop	10%
Computational chemistry labs	10%

Unless otherwise indicated, topics contribute with equal weighting to the module mark.

SECOND YEAR CHEMISTRY – [F100, F103, F105, F104, F101, F124, F125 and F1NF, FN11, F1N2]

Course modules	ECTS [†] Units	Contribution to Honours for Year % (to 1dp)
CHEM50001 Inorganic Chemistry 2	11	18.3
CHEM50002 Organic Chemistry 2	11	18.3
CHEM50003 Physical Chemistry 2	11	18.3
CHEM50004/6 Chemistry Coursework 2*	21	35.0
Ancillary Subject**	6	10.0
TOTAL***	60	100

*The Chemistry Coursework 2 modules are made up of a number of topics which differ across degree programmes; the assessments for each topic are weighted in contribution to the Chemistry Coursework 3 overall mark with consideration for the size of the topic.

- CHEM50004 Chemistry Coursework 2
- CHEM50006 Chemistry Coursework 2 for Medicinal Chemistry [F124/F125]

F124 and F125 students take Assay Development in Drug Discovery and Computational Methods in Drug Discovery, and take only one experiment in the term 1 Physical Chemistry lab and do not take Computational Inorganic Chemistry in term 3.

**Approved ancillaries are:

CHEM50007 Maths and Physics for Chemists 2
CHEM50008 Medicinal Chemistry 2
CHEM50009 University Ambassadors Scheme

Business for Professional Engineers and Scientists (BPES) courses:

BS0806: Entrepreneurship online
BS0853: Accounting Online
BS0815: Business Economics
BS0850: Managerial Economics Online
BS0808: Finance & Financial Management
BS0851: Corporate Finance Online
BS0821: Project Management
BS0845: Strategic Management

Languages (Level 1 and above),
Science, Culture and Society courses:

HSCS2001 Communicating Science
HSCS2010 Science and Policy
HSCS2002: Creativity, Innovation and Invention

A pass in Medicinal Chemistry 1 is normally a requirement for taking Medicinal Chemistry 2. A pass in MPC1 is normally a requirement for taking MPC2.

F124 and F125 students must take CHEM50008 Medicinal Chemistry 2.

Normally F104 and F101 students taking the year abroad in a non-English speaking institution must take a language ancillary from level 2 or above. F1R1/2/4 students take a language module (level 2 or above).

F1N2, F1NF and FN11 students CANNOT take any of the Business for Professional Engineers and Scientists (BPES) programme ancillaries.

***F1R1, F1R2 and F1R4 students additionally take a course on Science and Technology in France, Germany or Spain (3 ECTS), giving a total of 63 ECTS for the year.

See p 7 for second year module topics, exam paper distributions and coursework topic weightings.

The pass mark for each course module is 40%. To qualify for entry into third year students are required to pass ALL course modules. Where a course module comprises more than one assessment it is not a requirement to

pass every assessment. However, the total mark for the course module must be an overall pass. Assessments which are pass/fail must be passed. Failure in an assessment which is pass/fail will result in failure in the module. For resit arrangements, see p 25 of this document.

Students on MSci courses must gain at least 60% overall weighted average in the second year to proceed into the third year MSci programme. Students failing to achieve this will normally be re-registered on the BSc Chemistry (F100) course.

A student on the F101, F104, F1R1, F1R2, or F1R4 course must normally gain at least 65% overall average in the second year to proceed to year three on these programmes. However, achievement of this overall average does not guarantee that a student will be allowed to remain on the course as other factors dictate suitability for a research abroad placement. Students will be interviewed by the research abroad coordinator in order to confirm suitability for a proposed placement abroad. Students not recommended for a research abroad placement will be transferred to F103/F105.

SECOND YEAR CHEMISTRY – [F1F3 and F1FH]

Course modules	ECTS [†] Units	Contribution to Honours for Year % (to 1dp)
CHEM50001 Inorganic Chemistry 2	11	18.3
CHEM50002 Organic Chemistry 2	11	18.3
CHEM50003 Physical Chemistry 2	11	18.3
CHEM50005 Chemistry Coursework 2 for Molecular Physics*	22	35.0
CHEM50007 Maths and Physics for Chemists 2**	6	10.0
TOTAL	61	100

*The CHEM50005 Chemistry Coursework 2 for Molecular Physics module is made up of a number of topics; the assessments for each topic are weighted in contribution to the Chemistry Coursework 2 for Molecular Physics overall mark with consideration for the size of the topic. F1F3 and F1FH students take CMP Maths and CMP Programming, and take only two experiments in the term 2 Synthesis lab.

**A pass in MPC1 is normally a requirement for taking MPC2.

See p 7 for second year module topics, exam paper distributions and coursework topic weightings.

The pass mark for each course module is 40%. To qualify for entry into third year students are required to pass ALL course modules. Where a course module comprises more than one assessment it is not a requirement to pass every assessment. However, the total mark for the course module must be an overall pass. Assessments which are pass/fail must be passed. Failure in an assessment which is pass/fail will result in failure in the module. For resit arrangements, see p 25 of this document.

Students on MSci courses must gain at least 60% overall weighted average in the second year to proceed into the third year MSci programme. Students failing to achieve this will normally be re-registered on the BSc Chemistry (F100) course.

Second Year Module Topics

CHEM50001 Inorganic Chemistry 2 topics:

Molecular Orbitals in Inorganic Chemistry
Main Group Chemistry
Transition Metal, Coordination and Organometallic Chemistry
Crystal and Molecular Architecture
Practical NMR Spectroscopy

All topics are examined on the synoptic June Inorganic Chemistry exam. The exam consists of two papers: the main exam assessing all topics, and the open book exam assessing Practical NMR Spectroscopy.

CHEM50002 Organic Chemistry 2 topics:

Organic Synthesis Part 1
Heteroaromatics
Bio-organic Chemistry
Orbitals in Organic Chemistry: Stereoelectronics and Pericyclics
Fundamentals of Polymer Chemistry

All topics are examined on the synoptic June Organic Chemistry exam.

CHEM50003 Physical Chemistry 2 topics:

Quantum Chemistry II: Molecular Orbital Theory
Photochemistry
Thermodynamics (Applications)
Electrochemistry and Electrochemical Kinetics
Statistical Thermodynamics

All topics are examined on the synoptic June Physical Chemistry exam.

CHEM50004/5/6 Chemistry Coursework 2 modules are made up of a number of topics which differ across degree programmes; the assessments for each topic are weighted in contribution to the Chemistry Coursework 3 overall mark with consideration for the size of the topic as follows:

Topic	CHEM50004 F100, F103, F105, F104, F101, F1NF, FN11, F1N2	CHEM50005 F1F3/F1FH	CHEM50006 F124/F125
Synthesis lab	60%	50%	60%
Physical Chemistry lab (including Measurement Science II)	20%	20%	15%
Computational Chemistry lab (including Introduction to Computer Programming workshop)	20%	20%	15%
CMP Maths and CMP Programming	-	10%	-
Assay Development in Drug Discovery and Computational Methods in Drug Discovery	-	-	10%

Unless otherwise indicated, topics contribute with equal weighting to the module mark.

THIRD YEAR CHEMISTRY - [F103, F105, F104, F101 (taking research abroad in English speaking institutions), F124, F125, F1F3, F1FH]

Course Modules	ECTS [†] Units	Contribution to Honours for Year % (to 1dp)
CHEM60001/02 Advanced Chemistry Topics I modules*	15	25.0
CHEM60003/04/05 Advanced Chemistry Topics II modules**	15	25.0
CHEM60006/07/08/09/10/11 Chemistry Coursework 3 modules***	30	50.0
TOTAL	60	100

*The Advanced Chemistry Topics I modules are made up of five elective topics taken in term 1.

- CHEM60001 Advanced Chemistry Topics I
- CHEM60002 Advanced Chemistry Topics I for Molecular Physics [F1F3/F1FH]

All students must take at least one topic from each sub-discipline (organic, inorganic, physical). F1F3 and F1FH students must take Soft Condensed Matter.

**The Advanced Chemistry Topics II modules are made up of five elective topics taken in term 2.

- CHEM60003 Advanced Chemistry Topics II
- CHEM60004 Advanced Chemistry Topics II for Molecular Physics [F1F3/F1FH]
- CHEM60005 Advanced Chemistry Topics II for Medicinal Chemistry [F124/F125]

All students must take at least one topic from each sub-discipline (organic, inorganic, physical). F1F3 and F1FH students must take Complexity. F124 and F125 students must take Strategies in Drug Discovery and Strategies in Cancer Chemotherapy, and **may not** take Biological Chemistry.

***The Chemistry Coursework 3 modules are made up of a number of topics which differ across degree programmes; the assessments for each topic are weighted in contribution to the Chemistry Coursework 3 overall mark with consideration for the size of the topic.

- CHEM60006 Chemistry Coursework 3 [F103]
- CHEM60007 Chemistry Coursework 3 for Chemistry with a Year in Industry / Abroad (Eng-sp)
[F105, F104/F101 (taking research abroad in English speaking institutions)]
- CHEM60008 Chemistry Coursework 3 for Molecular Physics [F1F3]
- CHEM60009 Chemistry Coursework 3 for Molecular Physics with a Year in Industry [F1FH]
- CHEM60010 Chemistry Coursework 3 for Medicinal Chemistry [F124]
- CHEM60011 Chemistry Coursework 3 for Medicinal Chemistry with a Year in Industry [F125]

F1F3 and F1FH students take Methods of Theoretical Analysis and Programming 2, and do not take Core Synthesis I lab and Core Synthesis II lab. F124 and F125 students take Drug Discovery in a University Teaching Lab, and do not take Core Synthesis I lab. F103, F124 and F1F3 students must complete the Year 4 Research proposal and literature review.

See p 12 for third year module topics, exam paper distributions and coursework topic weightings.

The pass mark for each course module is 40%. For MSci students to qualify for entry into the fourth or final year they are required to pass ALL course modules. Where a course module comprises more than one assessment it is not a requirement to pass every assessment. However, the total mark for the course module must be an overall pass. Assessments which are pass/fail must be passed. Failure in an assessment which is pass/fail will result in failure in the module. For resit arrangements, see p 25 of this document. Transfer between different MSci programmes is normally permissible during the third year transfer window as long as all pre-requisites are met, however transfer between MSci and BSc programmes is not normally permitted in the third year.

THIRD YEAR CHEMISTRY - [F104, F101 (taking research abroad in non-English speaking institutions)]

Course Modules	ECTS [†] Units	Contribution to Honours for Year % (to 1dp)
CHEM60001 Advanced Chemistry Topics I*	15	24.2
CHEM60003 Advanced Chemistry Topics II**	15	24.2
CHEM60012 Chemistry Coursework 3 for linguists*** Language Ancillary****	26 6	41.9 9.7
TOTAL	62	100

*The CHEM60001 Advanced Chemistry Topics I module is made up of five elective topics taken in term 1. All students must take at least one topic from each sub-discipline (organic, inorganic, physical).

** The CHEM60003 Advanced Chemistry Topics II module is made up of five elective topics taken in term 2. All students must take at least one topic from each sub-discipline (organic, inorganic, physical).

***The CHEM60012 Chemistry Coursework 3 for linguists module is made up of a number of topics; the assessments for each topic are weighted in contribution to the Chemistry Coursework 3 overall mark with consideration for the size of the topic.

See p 12 for third year module topics, exam paper distributions and coursework topic weightings.

****The requirements of the Language ancillary are set by the Centre for Languages, Culture and Communication.

The pass mark for each course module is 40%. For MSci students to qualify for entry into the fourth or final year they are required to pass ALL course modules. Where a course module comprises more than one assessment it is not a requirement to pass every assessment. However, the total mark for the course module must be an overall pass. Assessments which are pass/fail must be passed. Failure in an assessment which is pass/fail will result in failure in the module. For resit arrangements, see p 25 of this document. Transfer between different MSci programmes is normally permissible until the 31st March as long as all pre-requisites are met, however transfer between MSci and BSc programmes is not normally permitted in the third year.

THIRD YEAR CHEMISTRY – [F1R1, F1R2 & F1R4]

Course Modules	ECTS [†] Units	Contribution to Honours for Year % (to 1dp)
CHEM60001 Advanced Chemistry Topics I*	15	22.1
CHEM60003 Advanced Chemistry Topics II**	15	22.1
CHEM60012 Chemistry Coursework 3 for linguists***	26	38.2
Language Ancillary & Year Abroad Courses****	12	17.6
TOTAL	68	100

*The CHEM60001 Advanced Chemistry Topics I module is made up of five elective topics taken in term 1. All students must take at least one topic from each sub-discipline (organic, inorganic, physical).

** The CHEM60003 Advanced Chemistry Topics II module is made up of five elective topics taken in term 2. All students must take at least one topic from each sub-discipline (organic, inorganic, physical).

***The CHEM60012 Chemistry Coursework 3 for linguists module is made up of a number of topics; the assessments for each topic are weighted in contribution to the Chemistry Coursework 3 overall mark with consideration for the size of the topic.

See p 12 for third year module topics, exam paper distributions and coursework topic weightings.

****The requirements of the Language ancillary are set by the Centre for Languages, Culture and Communication.

The pass mark for each course module is 40%. For MSci students to qualify for entry into the final year they are required to pass ALL course modules. Where a course module comprises more than one assessment it is not a requirement to pass every assessment. However, the total mark for the course module must be an overall pass. Assessments which are pass/fail must be passed. Failure in an assessment which is pass/fail will result in failure in the module. For resit arrangements, see p 25 of this document. Transfer between different MSci programmes is normally permissible until the 31st March as long as all pre-requisites are met, however transfer between MSci and BSc programmes is not normally permitted in the third year.

THIRD YEAR CHEMISTRY – [F1NF, FN11]

Course Modules	ECTS† Units	Contribution to Honours for Year % (to 1dp)
CHEM60001 Advanced Chemistry Topics I*	15	25.0
CHEM60003 Advanced Chemistry Topics II**	15	25.0
CHEM60013 Chemistry Coursework 3 for BSc Chemists***	30	50.0
TOTAL	60	100

*The CHEM60001 Advanced Chemistry Topics I module is made up of five elective topics taken in term 1. All students must take at least one topic from each sub-discipline (organic, inorganic, physical).

** The CHEM60003 Advanced Chemistry Topics II module is made up of five elective topics taken in term 2. All students must take at least one topic from each sub-discipline (organic, inorganic, physical).

F1NF and FN11 students may take four elective chemistry topics in **both** the Advanced Chemistry Topics I and Advanced Chemistry Topics II modules **and** one 2-term Horizons module for degree credit (Science, Culture & Society, Global Challenges & Languages & Global Citizenship). The Horizons module mark will count equivalent to one elective chemistry topic in each of the Advanced Chemistry Topics I and Advanced Chemistry Topics II module marks.

***The CHEM60013 Chemistry Coursework 3 for BSc Chemists module is made up of a number of topics; the assessments for each topic are weighted in contribution to the Chemistry Coursework 3 overall mark with consideration for the size of the topic.

See p 12 for third year module topics, exam paper distributions and coursework topic weightings.

The pass mark for each course module is 40%. For BSc F1NF and FN11 students to qualify for entry into the fourth or final year they are required to pass ALL course modules. Where a course module comprises more than one assessment it is not a requirement to pass every assessment. However, the total mark for the course module must be an overall pass. Assessments which are pass/fail must be passed. Failure in an assessment which is pass/fail will result in failure in the module. For resit arrangements, see p 25 of this document. Transfer between MSci and BSc programmes is not normally permitted in the third year.

THIRD YEAR CHEMISTRY – [F100] – see p 15.

Third Year Module Topics

CHEM60001/02 Advanced Chemistry Topics I topics:

<i>Sub-discipline</i>	<i>Topic</i>	<i>January Exam</i>
Organic	Advanced Synthesis	Paper 1
Organic	Reactive Intermediates	Paper 1
Inorganic	Advanced Transition Metal Chemistry	Paper 1
Inorganic	Bioinorganic Chemistry	Paper 1
Inorganic	Materials Chemistry	Paper 2
Physical	Electronic Properties of Solids	Paper 2
Physical	Molecular Reaction Dynamics	Paper 2
Physical	Soft Condensed Matter	Paper 2

All students must take at least one topic from each sub-discipline.
F1F3 and F1FH students must take Soft Condensed Matter.

CHEM60003/04/05 Advanced Chemistry Topics II topics:

<i>Sub-discipline</i>	<i>Topic</i>	<i>May Exam</i>
Organic	Carbohydrate Chemistry	Paper 1
Organic	Process Chemistry	Paper 1
Organic	Biological Chemistry	Paper 1
Organic	Strategies in Drug Discovery	Paper 1
Organic	Strategies in Cancer Chemotherapy	Paper 1
Inorganic	Advanced Spectroscopy	Paper 2
Inorganic	Lanthanides and Actinide Chemistry	Paper 2
Physical	Lyotropics	Paper 2
Physical	Complexity (F1F3 and F1FH only)	Paper 2
Physical	Time Dependent Quantum Mechanics and Spectroscopy	Coursework assignment

All students must take at least one topic from each sub-discipline.
F1F3 and F1FH students must take Complexity. F124 and F125 students must take Strategies in Drug Discovery and Strategies in Cancer Chemotherapy, and **may not** take Biological Chemistry.

F100, F1NF and FN11 students may take four elective chemistry topics in **both** the Advanced Chemistry Topics I and Advanced Chemistry Topics II modules **and** one 2-term Horizons module for degree credit (Science, Culture & Society, Global Challenges & Languages & Global Citizenship). The Horizons module mark will count equivalent to one elective chemistry topic in each of the Advanced Chemistry Topics I and Advanced Chemistry Topics II module marks.

F100 students may take three elective chemistry topics in **either** the Advanced Chemistry Topics I or Advanced Chemistry Topics II modules **and** one BPES module for degree credit in the same term. The BPES module mark will count equivalent to two elective chemistry topics in the Advanced Chemistry Topics I or Advanced Chemistry Topics II module mark in which three elective chemistry topics were taken.

CHEM60006/07/08/09/10/11/12/13 Chemistry Coursework 3 topics; the assessments for each topic are weighted in contribution to the Chemistry Coursework 3 overall mark with consideration for the size of the topic, as follows:

Topic	CHEM60006 F103	CHEM60007 F105, F104/F101 (taking research abroad in English speaking institutions)	CHEM60008 F1F3	CHEM60009 F1FH	CHEM60010 F124	CHEM60011 F125	CHEM60012 F104/F101 (taking research abroad in non- English speaking institutions)	CHEM60013 F100, F1NF/F1N11
Core Synthesis I lab	24%	24%	-	-	-	-	27.3%	20%
Core Synthesis II lab	12%	12%	-	-	12%	12%	13.7%	-
Core Physical lab	12%	12%	12%	12%	12%	12%	13.5%	10%
Core Computational lab	12%	12%	12%	12%	12%	12%	13.5%	10%
Elective choice labs (experiments from any lab)	24%	24%	36%	36%	24%	24%	13.5%	-
Methods of Theoretical Analysis	-	-	12%	12%	-	-	-	-
Programming 2	-	-	12%	12%	-	-	-	-
Drug Discovery in a University Teaching Lab	-	-	-	-	24%	24%	-	-
BSc Research Project	Interim literature report (pass/fail)	-	-	-	-	-	-	0%
	Research Project report	-	-	-	-	-	-	26%
	Research Project performance	-	-	-	-	-	-	11%
	Research Project poster presentation	-	-	-	-	-	-	7%
Synoptic oral examination	16%	16%	16%	16%	16%	16%	18.5%	16%
Year 4 Research proposal and literature review (pass/fail)	0%	-	0%	-	0%	-	-	-

A BSc research project interim literature report (10 pages) should be completed by the end of the third lab-only week of the research project. This carries no marks formally but it an opportunity to receive formative feedback from your supervisor and will form the basis of the literature review of your research project report.

A Year 4 research proposal/literature review is a short report (10 pages) comprising a short literature review and research proposal, prepared in year 3 in preparation for the year 4 research project (prepared at the end of the year in industry in preparation for year 5 for F105, F125 and F1FH students). It will be reviewed by your supervisor and is assessed by them as either satisfactory (pass) or unsatisfactory (fail). You will receive feedback from your supervisor regarding the report.

FOURTH YEAR CHEMISTRY – [F105, F125, F1FH, F101, FN11]

Course Components	ECTS [†] Units	Contribution to Honours for Year % (to 1 dp)
CHEM60014/15 Year in Industry modules	60	100
TOTAL	60	100

The Year in Industry modules are made up of one or two topics; the assessments for each topic are weighted in contribution to the Year in Industry overall mark with consideration for the size of the topic, as follows:

- CHEM60014 Year in Industry
 - Year in Industry report (100%)
 - Year 5 Research proposal and literature review (pass/fail)
- CHEM60015 Year in Industry F101/FN11
 - Year in Industry report (100%)

All Industrial year students must write a formal report on their work which will be assessed by both their academic and industrial supervisors. An average mark over 50% is required to pass the placement component and be awarded 60 ECTS units otherwise students will be transferred onto F103/F124/F1F3/F104/F1NF.

For F105, F125 and F1FH students (CHEM60014) a Year 5 Research proposal with literature review (pass/fail) should be written at the end of year 4 (year in industry) in preparation for research project in year 5. A Year 5 Research Proposal and literature review is a short (10 pages) literature review and research proposal, prepared in year 4 in preparation for the year 5 research project, it will be reviewed by your supervisor and is assessed by them as either satisfactory (pass) or unsatisfactory (fail). You will receive feedback from your supervisor regarding the report.

For students to qualify for entry into the final year they are required to pass ALL course modules. Where a course module comprises more than one assessment it is not a requirement to pass every assessment. However, the total mark for the course module must be an overall pass. Assessments which are pass/fail must be passed. Failure in an assessment which is pass/fail will result in failure in the module.

SCHEMES FOR THE AWARD OF HONOURS

FINAL YEAR BSc CHEMISTRY 2017–2018 [F100]

	Course Modules	ECTS Units	Contribution to Honours % (to 1dp)	Points
First Year 2015–2016	Chemistry IA	8	1.5	
	Inorganic Chemistry IB	8	1.5	
	Organic Chemistry IB	8	1.5	
	Physical Chemistry IB	8	1.5	
	Chemistry Coursework I	22	4.1	
	Maths Test (pass/fail)	0	0	
	Ancillary Subject	6	1.1	
	TOTAL, 1st year	60	11.1	111
Second Year 2016–2017	Inorganic Chemistry 2	11	6.2	
	Organic Chemistry 2	11	6.2	
	Physical Chemistry 2	11	6.2	
	Chemistry Coursework 2	21	11.7	
	Ancillary Subject	6	3.3	
	TOTAL, 2nd year	60	33.3	333
Third Year 2017–2018	CHEM60001 Advanced Chemistry Topics I*	15	13.9	
	CHEM60003 Advanced Chemistry Topics II**	15	13.9	
	CHEM60013 Chemistry Coursework 3 for BSc Chemists***	30	27.8	
	TOTAL, 3rd year	60	55.6	556
TOTAL FOR	HONOURS	180	100	1000

*The CHEM60001 Advanced Chemistry Topics I module is made up of five elective topics taken in term 1. All students must take at least one topic from each sub-discipline (organic, inorganic, physical).

** The CHEM60003 Advanced Chemistry Topics II module is made up of five elective topics taken in term 2. All students must take at least one topic from each sub-discipline (organic, inorganic, physical).

F100 students may replace a maximum of two chemistry elective topics with Horizons or BPES modules:

- F100 students may take four elective chemistry topics in **both** the Advanced Chemistry Topics I and Advanced Chemistry Topics II modules **and** one 2-term Horizons module for degree credit (Science, Culture & Society, Global Challenges & Languages & Global Citizenship). The Horizons module mark will count equivalent to one elective chemistry topic in each of the Advanced Chemistry Topics I and Advanced Chemistry Topics II module marks.
- F100 students may take three elective chemistry topics in **either** the Advanced Chemistry Topics I or Advanced Chemistry Topics II modules **and** one BPES module for degree credit in the same term. The BPES module mark will count equivalent to two elective chemistry topics in the Advanced Chemistry Topics I or Advanced Chemistry Topics II module mark in which three elective chemistry topics were taken.

BPES modules accepted for replacement of two chemistry electives are:

BS0806: Entrepreneurship online
BS0853: Accounting Online
BS0815: Business Economics
BS0850: Managerial Economics Online
BS0808: Finance & Financial Management
BS0851: Corporate Finance Online
BS0821: Project Management
BS0845: Strategic Management

***The CHEM60013 Chemistry Coursework 3 for BSc Chemists module is made up of a number of topics; the assessments for each topic are weighted in contribution to the Chemistry Coursework 3 overall mark with consideration for the size of the topic.

See p 12 for third year module topics, exam paper distributions and coursework topic weightings.

The pass mark for each course module is 40%. To qualify to graduate students are required to pass ALL course modules. Where a course module comprises more than one assessment it is not a requirement to pass every assessment. However, the total mark for the course module must be an overall pass. Assessments which are pass/fail must be passed. Failure in an assessment which is pass/fail will result in failure in the module. For resit arrangements, see p 25 of this document. Transfer between MSci and BSc programmes is not normally permitted in the third year. The marks for each year are combined in the ratio: 1st : 2nd : 3rd = 1 : 3 : 5 and scaled to a maximum of 1000. Students are normally considered for honours at the level indicated by their overall total, i.e. I, 700-1000; IIA, 600-699; IIB, 500-599; III, 400-499. The class of degree awarded will not normally exceed the result attained in the final year by more than one level. Students within class borderlines may have an oral examination by the external examiners to help decide their final classification. Class borderlines are set by the College and the borderline region is set at 2.5% or 25 marks out of 1000. Thus, for example the borderline for First Class honours extends from 675 to 699, that for IIA from 575 to 599 and so on.

FINAL YEAR MSci CHEMISTRY 2017-18
[F103, F105, F124, F125, F1F3, F1FH]

Years given are for four-year course students; those who have taken a Year in Industry five-year course (F105, F1FH, F125) will have taken their first, second and third years one year earlier. The industrial year counts for 60 ECTS making the total for these degrees 300 ECTS, however, no *marks* from this year are included in the degree calculation.

	Course Modules	ECTS Units	Contribution to Honours % (to 1dp)	Points
First Year 2014–2015	Chemistry IA	8	1.0	
	Inorganic Chemistry IB	8	1.0	
	Organic Chemistry IB	8	1.0	
	Physical Chemistry IB	8	1.0	
	Chemistry Coursework I	19.5	2.5	
	Maths Test (pass/fail)	2.5	0.3	
	Ancillary Subject	6	0.8	
	TOTAL, 1st Year	60	7.6	76
Second Year 2015–2016	Inorganic Chemistry 2	11	4.2	
	Organic Chemistry 2	11	4.2	
	Physical Chemistry 2	11	4.2	
	Chemistry Coursework 2	21	8.1	
	Ancillary Subject	6	2.3	
	TOTAL, 2nd Year	60	23.1	231
Third Year 2016–2017	Advanced Chemistry	20	10.3	
	Advanced Chemistry Research Topics	12	6.2	
	Chemistry Coursework 3	28	14.4	
	TOTAL, 3rd Year	60	30.8	308
Fourth Year 2017–2018	CHEM70002/3/4/5/6/7/8/9/10/11/12*	5/5/5	9.6	
	CHEM70001 Chemistry Coursework 4**	45	28.9	
	TOTAL, 4th Year	60	38.5	385
TOTAL FOR	HONOURS	240	100	1000

* All students take 3 synoptic elective courses in the Autumn term. F1F3 and F1FH students must take CHEM700012 Advanced Interfacial Science (not available to any other programmes). F124 and F125 students must take CHEM700010 From Molecules to Medicine (also available to all programmes).

Synoptic elective courses:

		<i>January exam</i>
CHEM70002	Advanced Catalysis	100% group presentation
CHEM70004	Chemistry of Nanomaterials	presentation
CHEM70005	Renewable Energy from Solar Cells to Fuel Cells	100% exam
CHEM70006	Advanced Stereochemistry, Synthesis & Biosynthesis	100% coursework
CHEM70007	Molecular Imaging	100% exam
CHEM70008	Robot Chemistry	Practical work, report, viva
CHEM70009	Plastic Electronics from Materials Chemistry to Device Applications	100% exam
CHEM70010	From Molecules 2 Medicine	60% coursework, 30% presentation, 10% peer assessment
CHEM70011	Membrane Biophysics	100% exam
CHEM70012	Advanced Interfacial Science	presentation
CHEM70013	Sustainable Chemistry	100% coursework

** CHEM70001 Chemistry Coursework 4 is made up of a number of topics; the assessments for each topic are weighted in contribution to the Chemistry Coursework 4 overall mark with consideration for the size of the topic, as follows:

- research project report (60%)
- research project performance (24%)
- an oral presentation (7%)
- synoptic oral examination (9%)
- Interim Report on the project should be submitted at the end of the Autumn term (pass/fail)
- Entrepreneurship & Innovation (pass/fail)
- Industrial Application of Chemistry (pass/fail)
- Research group literature reviews (pass/fail)

F124 and F125 students must take a 'Medicinal/Biological' based research project. F1F3 and F1FH students must take a 'Molecular Physics' based research project. The subsidiary seminar series: Industrial Application of Chemistry (normally 3 out of 8 lectures), and Entrepreneurship and Innovation (normally 75% attendance) - attendance is monitored.

The pass mark for each level 7 module (CHEM700XX) is 50%. To qualify to graduate students are required to pass ALL course modules. Where a course module comprises more than one assessment it is not a requirement to pass every assessment. However, the total mark for the course module must be an overall pass. Assessments which are pass/fail must be passed. Failure in an assessment which is pass/fail will result in failure in the module. For exam resit arrangements see p 25 of this document. The marks for each year are combined in the ratio: 1st : 2nd : 3rd : 4/5th = 1 : 3 : 4 : 5 and scaled to a maximum of 1000. Students are normally considered for honours at the level indicated by their overall total, i.e. I, 700-1000; IIA, 600-699; IIB, 500-599; III, 400-499. The class of degree awarded will not normally exceed the result attained in the final year by more than one level. Students within class borderlines may have an oral examination by the external examiners to help decide their final classification. Class borderlines are set by the College and the borderline region is set at 2.5% or 25 marks out of 1000. Thus, for example the borderline for First Class honours extends from 675 to 699, that for IIA from 575 to 599 and so on.

FINAL YEAR MSci CHEMISTRY 2017–18
[F101, F104]

Years given are for F104 four-year course students; those who have taken the F101 five year course will have taken their first, second and third years one year earlier. The industrial year counts for 60 ECTS making the total for this degree 305 or 308 ECTS, however, no *marks* from this year are included in the degree calculation.

	Course Modules	ECTS Units	Contribution to Honours % (to 1dp)	Points
First Year 2014–2015	As for F103 (Ancillary normally a language)	60	8.3	83
Second Year 2015–2016	As for F103 (Ancillary normally a language)	60	25.0	250
Third Year 2016–2017	Advanced Chemistry	20	11.1 or 10.6	
	Advanced Chemistry Research Topics	12	6.7 or 6.3	
	Chemistry Coursework 3	28 or 25*	15.5 or 13.2	
	Language Ancillary*	6	3.2	
	TOTAL, 3rd Year	60 or 63*	33.3	333
Fourth Year 2017–2018	CHEM70013 Chemistry Coursework 4 (Abroad)**	37	19.0	
	CHEM70014 Elective Chemistry (Abroad)***	24	12.3	
	Humanities Project	4	2.1	
	TOTAL, 4th Year	65	33.4	334
	TOTAL FOR HONOURS	245 or 248*	100	1000

*The third year course modules and ECTS total depend on whether the student is taking research abroad in an English speaking (CHEM60017 Chemistry Coursework 3 for F101/F104 (Eng-sp) 28 ECTS, no Language Ancillary taken) or non-English speaking (CHEM60008 Chemistry Coursework 3 for linguists 25 ECTS, Language Ancillary 6 ECTS) institution.

** CHEM70013 Chemistry Coursework 4 (Abroad) is made up of a number of topics; the assessments for each topic are weighted in contribution to the Chemistry Coursework 4 (Abroad) overall mark with consideration for the size of the topic, as follows:

- research project report (60%)
- research project performance (24%)
- an oral presentation (7%)
- synoptic oral examination (9%)
- Interim Project report (pass/fail)

Additionally, an Interim Report on the project must be submitted. This carries no formal credit but is an opportunity to receive from your supervisor important feedback about your project.

***Marks from host institution for elective lecture courses taken are converted before inclusion in the year total (see: ChemCentral module on BlackBoard virtual learning environment)

The pass mark for each level 7 module (CHEM700XX) is 50%. To qualify to graduate students are required to pass ALL course modules. Where a course module comprises more than one assessment it is not a requirement

to pass every assessment. However, the total mark for the course module must be an overall pass. Assessments which are pass/fail must be passed. Failure in an assessment which is pass/fail will result in failure in the module. The marks for each year are combined in the ratio: 1st : 2nd : 3rd: 4th = 1 : 3 : 4 : 4 and scaled to a maximum of 1000. Students are normally considered for honours at the level indicated by their overall total, i.e. I, 700-1000; IIA, 600-699; IIB, 500-599; III, 400-499. The class of degree awarded will not normally exceed the result attained in the final year by more than one level. Students within class borderlines may have an oral examination by the external examiners to help decide their final classification. Class borderlines are set by the College and the borderline region is set at 2.5% or 25 marks out of 1000. Thus, for example the borderline for First Class honours extends from 675 to 699, that for IIA from 575 to 599 and so on.

FINAL YEAR MSci CHEMISTRY 2017–18
[F1R1, F1R2, F1R4]

	Course Modules	ECTs Units	Contribution to Honours % (to 1dp)	Points
First Year	Chemistry IA	8	1.1	
2014–2015	Inorganic Chemistry IB	8	1.1	
	Organic Chemistry IB	8	1.1	
	Physical Chemistry IB	8	1.1	
	Chemistry Coursework I	19.5	2.6	
	Maths Test (pass/fail)	2.5	0.3	
	Ancillary Subject	6	0.8	
	History & Politics Course	3	0.4	
	TOTAL, 1st Year	63	8.3	83
Second Year	Inorganic Chemistry IIA	5.5	4.4	
2015–2016	Organic Chemistry IIA	5.5	4.4	
	Physical Chemistry IIA	5.5	4.4	
	Chemistry Coursework II	21	8.3	
	Language Ancillary	6	2.4	
	Science & Technology Language Course	3	1.2	
	TOTAL, 2nd Year	63	25.0	250
Third Year	Advanced Chemistry	20	9.7	
2016–2017	Advanced Chemistry Research Topics	12	5.8	
	Chemistry Coursework 3	25	12.1	
	Language Ancillary & Year Abroad Courses	12	5.8	
	TOTAL, 3rd Year	69	33.3	333
Fourth Year	CHEM70015 Chemistry Coursework 4 (Abroad) for “with Language programmes”*	25	12.8	
2017–2018	CHEM70014 Elective Chemistry (Abroad)**	24	12.3	
	Extended Humanities Project	16	8.2	
	TOTAL, 4th Year	65	33.4	334
TOTAL FOR	HONOURS	260	100	1000

*The CHEM70015 Chemistry Coursework 4 (Abroad) for “with Language programmes” module is made up of a number of topics; the assessments for each topic are weighted in contribution to the Chemistry Coursework 4 (Abroad) for “with Language programmes” overall mark with consideration for the size of the topic, as follows:

- research project report (60%)
- research project performance (24%)
- an oral presentation (7%)
- synoptic oral examination (9%)
- Interim Project report (pass/fail)

Additionally, an Interim Report on the project must be submitted. This carries no formal credit but is an opportunity to receive from your supervisor important feedback about your project.

**Marks from host institution for elective lecture courses taken are converted before inclusion in the year total (see: ChemCentral module on BlackBoard virtual learning environment)

The pass mark for each level 7 module (CHEM700XX) is 50%. Where a course module comprises more than one assessment it is not a requirement to pass every assessment. However, the total mark for the course module must be an overall pass. Assessments which are pass/fail must be passed. Failure in an assessment which is pass/fail will result in failure in the module. To qualify to graduate students are required to pass ALL course modules. For exam resit arrangements see p 25 of this document. The marks for each year are combined in the ratio: 1st : 2nd : 3rd : 4th = 1 : 3 : 4 : 4 and scaled to a maximum of 1000. Students are normally considered for honours at the level indicated by their overall total, i.e. I, 700-1000; IIA, 600-699; IIB, 500-599; III, 400-499. The class of degree awarded will not normally exceed the result attained in the final year by more than one level. Students within class borderlines may have an oral examination by the external examiners to help decide their final classification. Class borderlines are set by the College and the borderline region is set at 2.5% or 25 marks out of 1000. Thus, for example the borderline for First Class honours extends from 675 to 699, that for IIA from 575 to 599 and so on.

**FINAL YEAR BSc CHEMISTRY 2017–2018
[F1N2]**

	Course Components	ECTS Units	Contribution to Honours % (to 1dp)	Points
First Year 2015–2016	As for F100	60	14.2	142
Second Year 2016–2017	As for F100	60	42.9	429
Third Year 2017–2018	Management year	60	42.9	429
TOTAL FOR	HONOURS	180	100	1000

The pass mark for each course module is 40%. To qualify to graduate students are required to pass ALL course modules. Where a course module comprises more than one assessment it is not a requirement to pass every assessment. However, the total mark for the course module must be an overall pass. Assessments which are pass/fail must be passed. Failure in an assessment which is pass/fail will result in failure in the module. For exam resit arrangements see p 25 of this document. The marks for each year are combined in the ratio: 1st : 2nd : 3rd = 1 : 3 : 3 and scaled to a maximum of 1000. Students are normally considered for honours at the level indicated by their overall total, i.e. I, 700-1000; IIA, 600-699; IIB, 500-599; III, 400-499. The class of degree awarded will not normally exceed the result attained in the final year by more than one level. Students within class borderlines may have an oral examination by the external examiners to help decide their final classification. Although the final year is Management, the degree is awarded in Chemistry and so any viva by the external examiners will assess Chemistry knowledge and understanding. You may also have a viva in the Business School concerning your Management year only. The outcome of this viva will feed into discussions on your final degree class. Class borderlines are set by the College and the borderline region is set at 2.5% or 25 marks out of 1000. Thus, for example the borderline for First Class honours extends from 675 to 699, that for IIA from 575 to 599 and so on.

FINAL YEAR BSc CHEMISTRY 2017–2018
[F1NF, FN11]

Years given are for F1NF four-year course students; those who have taken the FN11 five-year course will have taken their first, second and third years one year earlier. The industrial year counts for 60 ECTS making the total for this degree 300 ECTS, however, no *marks* from this year are included in the degree calculation.

	Course Components	ECTS Units	Contribution to Honours % (to 1dp)	Points
First Year	Chemistry IA	8	0.9	
2014–2015	Inorganic Chemistry IB	8	0.9	
	Organic Chemistry IB	8	0.9	
	Physical Chemistry IB	8	0.9	
	Chemistry Coursework I	19.5	2.3	
	Maths Test (pass/fail)	2.5	0.3	
	Ancillary Subject	6	0.7	
	TOTAL, 1st Year		60	7.1
Second Year	Inorganic Chemistry 2	11	3.9	
2015–2016	Organic Chemistry 2	11	3.9	
	Physical Chemistry 2	11	3.9	
	Chemistry Coursework 2	21	7.5	
	Ancillary Subject	6	2.1	
	TOTAL, 2nd Year		60	21.4
Third Year	Advanced Chemistry	20	11.9	
2016–2017	Advanced Chemistry Research Topics	12	7.1	
	Chemistry Coursework 3	28	16.7	
	TOTAL, 3rd Year		60	35.7
Fourth Year	Management year	60	35.8	358
2017–2018				
TOTAL FOR	HONOURS	240	100	1000

The pass mark for each course module is 40%. To qualify to graduate students are required to pass ALL course modules. Where a course module comprises more than one assessment it is not a requirement to pass every assessment. However, the total mark for the course module must be an overall pass. Assessments which are pass/fail must be passed. Failure in an assessment which is pass/fail will result in failure in the module. For exam resit arrangements see p 25 of this document. The marks for each year are combined in the ratio: 1st : 2nd : 3rd: 4th = 1 : 3 : 5 : 5 and scaled to a maximum of 1000. Students are normally considered for honours at the level indicated by their overall total, i.e. I, 700-1000; IIA, 600-699; IIB, 500-599; III, 400-499. The class of degree awarded will not normally exceed the result attained in the final year by more than one level. Students within class borderlines may have an oral examination by the external examiners to help decide their final classification. Although the final year is Management, the degree is awarded in Chemistry and so any viva by the external examiners will assess Chemistry knowledge and understanding. You may also have a viva in the Business School concerning your Management year only. The outcome of this viva will feed into discussions on your final degree class. Class borderlines are set by the College and the borderline region is set at 2.5% or 25 marks out of 1000. Thus, for example the borderline for First Class honours extends from 675 to 699, that for IIA from 575 to 599 and so on.

ARRANGEMENTS FOR RESIT EXAMINATIONS

Students have three opportunities to attempt theory examinations, i.e. under normal circumstances, they may re-sit failed examinations the following August (June for year 4) with a third and final attempt the following January or May or June as appropriate, but not normally beyond that. An attempt includes failure to attend an examination (Absent), for which the candidate has been entered, without prior warning of withdrawal for good cause. The Chemistry Coursework modules however cannot be retaken and failure to pass mandates permanent withdrawal from the course.

The course module mark for re-sit examinations is restricted by College regulations to the pass mark 40% or at the discretion of the sub-board. If a student re-sits for the first time after illness or other special circumstances, the sub-board may decide that no restriction be applied.

Typically, a student will withdraw from the course for one year in order to take any re-sit examination in January or May or June.

PLAGIARISM

The department has a policy on plagiarism which you can find at the link below. You must read the policy and ensure that you understand what constitutes plagiarism, the seriousness with which it is taken by the department and College and the penalties that are attached to instances of plagiarism.

<https://workspace.imperial.ac.uk/chemistry/Public/Teaching/Dept%20of%20Chem%20Plagiarism%20Policy%2012.08.2010.pdf>

Please also see ChemCentral for further advice

The College has a Cheating Offences Policy & Procedure (Examination Regulations, Appendix 3) a link to which is found here: <https://www.imperial.ac.uk/about/governance/academic-governance/regulations/>

PENALTIES FOR LATE SUBMISSION

College policy is that late submissions will receive a mark of zero, see

<https://www.imperial.ac.uk/media/imperial-college/administration-and-support-services/registry/academic-governance/public/academic-policy/markings-and-moderation/Penalties-for-late-submission-of-assessed-work.pdf>

PROCEDURES FOR THE TRANSLATION OF MARKS FROM OTHER INSTITUTIONS

Marks gained at other institutions as part of a Year Abroad will be converted before being incorporated into the overall results. The table of conversions for marks gained at other institutions can be found on ChemCentral. The conversion table has been constructed with due diligence to translate marks from other institutions into our system. It is not possible to change, alter or any way enter into discussion with the host institution on how they report their marks.

PROCEDURES FOR MODERATION OF MARKS FROM INTERNAL EXAMINATIONS AND COURSEWORK

Moderation of marks is an exceptionally rare event which is done, if at all, in full consultation with external examiners. Marks for any examination or project etc. may be scaled (up or down) if deemed appropriate by the relevant Board of Examiners. See section 19 in the Exam Regulations:

<https://www.imperial.ac.uk/about/governance/academic-governance/regulations/>

CRITERIA FOR ASSESSMENT APPLIED TO WRITTEN OR ORAL EXAMINATIONS

0-39%

Solution basically incorrect: defective recall of basic facts, little or no understanding of relevant principles, failure to develop from starting point to result, obvious failures and/or mistakes in manipulation, failure to comment on obviously incorrect numerical results.

40 - 49%

Essential elements of solution correct, sufficient factual recall including chemical structures and properties, simple synthetic pathways and material taught as coursework, reasonable but limited understanding of relevant principles, ability to perform routine calculations.

50 - 59%

Solution displays a basic level of understanding and competence, substantial recall of relevant facts but little evidence of enquiry beyond lecture notes or prescribed texts, manipulations and/or calculations competently performed to a reasonable but not necessarily entirely correct solution.

60 - 69%

Solution well organised, logical, sufficiently detailed and clearly presented, thorough grasp of concepts, evidence of some enquiry beyond lecture notes and prescribed texts, evidence of problem solving competence, exploration of and reasoned choice from alternative solutions.

70 - 100%

Outstanding solution, accurate, precisely and clearly presented, clear evidence of critical thought and enquiry, evidence of creative ability.

Note

100% represents not perfection but a solution which is faultless at the level to be expected of candidates at this stage.

Not all elements are appropriate or need be present in any one solution.

In the early years of a course the emphasis may be more on knowledge and manipulative skills than on creativity, critical thought and independent enquiry. In particular, appropriate factual recall and understanding in parts of first year questions and in the first part of some second year questions may call for several very short answers which are each either correct or wrong. For these the classification corresponds to the percentage a student achieves of the maximum marks available for correct answers.

CRITERIA FOR ASSESSMENT APPLIED TO LABORATORY EXPERIMENTS

0-39%

Either the student does not make a serious attempt to carry out the experiment, OR the student makes a serious attempt but fails to write a reasonable report of his or her work, OR the student makes a serious but unsuccessful (first and second year) or only partially successful (third or fourth year) attempt to carry out the experiment but writes an account of the work which demonstrates that the student has not understood and certainly not mastered, the techniques involved.

40 - 49%

Student substantially completes the experiment with results that show some success in carrying out the techniques, but may be deficient in attempts to verify them experimentally. Report adequately describes the work and results, but may be deficient in presentation, analysis of errors, comparison with literature values, significance of results etc.

50 - 59%

Student completes the experiment with results which show substantial mastery of the techniques including checking them experimentally or by comparison with literature values as appropriate. Report adequately describes work but is deficient in some but not all of presentation, analysis of errors, comparison with literature values, significance of results etc.

60 - 69%

Student completes the experiment successfully with results which show mastery of the techniques including checking them experimentally or by comparison with literature values as appropriate. Report describes work thoroughly but concisely with an account of experimental difficulties. Presentation is good, and covers all significant aspects including analysis of errors, comparison with literature values, significance of results etc as appropriate.

70 - 100%

Demonstration of exemplary experimental skills and, where appropriate, additional work to attempt to answer experimental or theoretical questions arising from the work. Presentation and arrangement of results excellent: concise for standard procedures but with a thorough analysis of experimental difficulties and errors with appropriate suggestions for improvements. Evidence of knowledge of the significance of the results from independent reading, especially for third or fourth year students.

CRITERIA FOR ASSESSMENT APPLIED TO FINAL YEAR RESEARCH PROJECTS (MSci and BSc)

0-39%

On the evidence of the supervisor's report, the research report and any oral presentation the student has not obtained a reasonable volume of results (whether successful or unsuccessful) in relation to the time available for the project, either through a lack of competence or failing to carry out the work OR no report has been handed in OR the report is grossly deficient in at least one of the following ways:

- the experimental details are so incomplete that the reader cannot understand what has been done or the results obtained.
- the results show a serious lack of competence in carrying out the experiments.
- the report shows a serious lack of understanding of the significance of the project and the results obtained.

40 - 49%

The student hands in a report which shows a reasonable volume of results which are sufficiently, but not necessarily comprehensively described. The report shows no serious inadequacies in the student's experimental techniques, understanding of the significance of the work, and presentation.

50 - 59%

At this level, the student should demonstrate some ability to plan the work and to direct it towards producing significant results. The report should compare these with the original objectives of the project set out in an introduction citing relevant literature. Where appropriate the report should include comparison with literature values and a discussion of errors.

60 - 69%

The project is completed with results which, even if not completely successful in achieving its objectives, do show mastery of the techniques including checking them experimentally or by comparison with literature values as appropriate. Presentation is good. The report describes work thoroughly but concisely with an account of experimental difficulties. It covers all significant aspects including the abstract, introduction citing previous work and setting out clearly the objectives of the project and discussion of the significance of the results with suggestions for further work. At this level evidence of a significant contribution from the student to the understanding of the project topic is expected, together with good oral and written presentation skills.

70 - 100%

As for 60 – 69%, but with exemplary experimental skills and understanding. At this level an additional personal contribution not directly derived from the supervisor is expected: ideas and/or experiments which attempt to answer experimental or theoretical questions which arise from the work. Excellent but concise report presentation with no significant deficiencies and which even at the undergraduate level shows many of the qualities expected in a doctoral thesis, especially in the quality of the discussion. Demonstrated ability in oral as well as written presentation of the work.