

College of Science

理學院

Department of Chemistry

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香港城市大學  
City University of Hong Kong

# Master of Science in Chemistry

## 理學碩士(化學)



**Student Handbook**  
**2020–2021**

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## INTRODUCTION

This Handbook contains useful information for students enrolled in the Master of Science in Chemistry programme offered by the Department of Chemistry. Students are advised to familiarize themselves with this Handbook so as to obtain a general overview of the Department and its teaching courses. It is, however, intended to be read in conjunction with other official information posted by the Chow Yei Ching School of Graduate Studies, such as the CityU Academic Regulations and the CityU Academic Calendar which are available on the website of the Chow Yei Ching School of Graduate Studies.

## THE DEPARTMENT OF CHEMISTRY

The **Department of Chemistry** offers studies and research in fundamental and applied aspects of chemistry, life, molecular and environmental sciences to about 280 undergraduate and 160 postgraduate students. The Department consists of 34 academic staff including renowned scientists, e.g. Fellows of the European Academy of Sciences, Highly Cited Researchers (listed by Clarivate Analytics), etc., as well as about 100 research staff members. The study programmes are designed to help students understand important scientific issues, current technologies and future challenges in light of local, regional and global needs following the outcomes-based teaching and learning framework. An interdisciplinary approach is adopted and an emphasis is placed on the integration of theory with practical classes via hands-on experience. The teaching and research laboratories provide a stimulating environment to do experimental work utilizing state-of-the-art equipment and instruments. Relevant industrial experience in local and international companies and research institutions is included as appropriate. Overseas field trips and exchange studies complement the core study programmes. Students are also encouraged to attend departmental seminars by well-known visiting scientists. The Department also co-supervises about 20 PhD students with the University of Science and Technology, China in our Advanced Laboratory of Environmental Research and Technology in Suzhou.

The Department strongly fosters interdisciplinary research and development activities. Acquisitions of equipment highlighted the multidisciplinary nature of experimental and theoretical research. Three NMRs of 300, 400 and 600 MHz are set up for undergraduate & postgraduate teaching and research applications in study of molecular structures, interactions, kinetics and dynamics, as well as biological, synthetic solutions and composites. NMR applications & analysis cover the fields of life science, materials research, pharmaceuticals, biotechnology, chemistry, metabolites, nutritional science and molecular diagnostics, etc. Single Crystal and Powder X-ray Diffraction (XRD) are major tools setup for chemical crystallography, structural biology, quantitative and qualitative analysis on crystallinity, phase orientation, scattering portfolio, etc. More recently, an Atomic Force Microscope (AFM) has been setup as a world-leading instrument for direct imaging in air/liquid/vacuum and broad temperature/humidity control with ultra-high sensitivity, accuracy, and resolution for a wide variety of properties not limit to surface topography, but also a benchmark for surface potential, electrical conductivities, electromagnetic properties under both ambient and high-vacuum conditions down to atomic-scale.

The two confocal and compound microscopes are unique in the region as they are specifically fitted with lasers and filters for detecting the emission ranging from the fluorescent to the near infrared spectrum of novel chemicals introduced inside cells and organisms. A state-of-the-art proteomics and metabolomics facility provides support and training on gel and chromatography based analyses of proteins and metabolites associated with biological and toxicological interactions. A laser laboratory offers a wide variety of experimental facilities for the

spectroscopic studies of the reaction mechanisms, relaxation processes to excited state dynamics of interest in photochemistry, photophysics and photobiology. This laboratory is featured with a wavelength tunable Ti:Sapphire femtosecond laser coupled to the femtosecond transient absorption spectrometer and a nanosecond flash photolysis system equipped with a high power ns-pulsed Nd:YAG laser. Three pieces of equipment have been installed, namely a genome sequencing system, a peptide synthesizer and a DNA/RNA synthesizer for peptides and DNA/RNA research studies.

Staff expertise currently spans from fields of analytical chemistry, green and synthetic chemistry, spectroscopy and catalysis, materials chemistry, computational chemistry to other biological chemistry area e.g. environmental biology and chemistry, biochemistry, cell biology, biosensing, microbiology and bioactive compounds. Current research of the Department focuses on catalyst/ new materials design and synthesis, organic electroluminescent devices, photo-responsive and luminescent chemosensing, proteomics and metabolomics, nano-bio interfaces, and sustainable development in the marine ecosystem. CityU's Chemistry has been widely recognized as reflected from various global rankings, e.g. ARWU Global Ranking of Academic Subjects 2020 Chemistry (#2 in Hong Kong); THE World University Rankings 2020 by subject – Physical Sciences (#16 in Asia Pacific); US News Best Global Universities for Chemistry 2019 (#28 in Asia Pacific); QS World University Rankings by Subject 2020 – Chemistry (#31 in Asia Pacific). One of the highlights of our research has been the leading role we have played in the State Key Laboratory in Marine Pollution (SKLMP) and the Center of Super-Diamond and Advanced Films (COSDAF).

The Department endeavours to develop close links with both the public and industrial sectors to keep abreast of society needs. Many of the staff research projects and undergraduate/postgraduate research projects are carried out in collaboration with industry partners and government bodies as well as with other local and overseas universities.

With the recruitment of new academic staff members in strategic areas of chemistry discipline, the Department is ready to take up the challenges and conduct cutting edge research in new strategic areas.

## MEMBERS OF STAFF

Academic Staff	Name	Tel. No.	E-mail (...@cityu.edu.hk)
Head and Chair Professor Director of COSDAF	Prof C S LEE PhD ( <i>HKU</i> )	3442-7826	chem.head
Associate Head and Associate Professor	Dr K C LAU PhD ( <i>UCDavis</i> )	3442-6849	kaichung
Provost and Chair Professor	Prof Alex K Y JEN PhD ( <i>Pennsylvania</i> )	3442-8451	alexjen
Executive Director of Special Projects and Jeanie Hu Professor of Science and Chair Professor	Prof Paul K S LAM, SBS, JP PhD ( <i>Sheffield</i> )	3442-8828/ 3442-6828	bhpksl
Associate Dean (Education) and Professor	Prof Michael H W LAM PhD ( <i>HKU</i> )	3442-7329	bhmhwlam
Visiting Distinguished Professor and Senior Fellow of IAS	Prof Jean-Marie LEHN Nobel Laureate in Chemistry		
Emeritus Professor	Prof Nora F Y TAM, BBS, JP PhD ( <i>York, UK</i> ), FIBiol, CBiol, MCIWEM	3442-7793	bhntam
Honorary Professor	Prof Deqing ZHANG		
Chair Professors	Prof Y CHI PhD ( <i>Illinois</i> )	3442-9242	yunchi
	Prof T C LAU PhD ( <i>HKU</i> )	3442-7811	bhtclau
	Prof Kenneth M Y LEUNG, JP PhD ( <i>Glasgow</i> )	3442-7198	kmyleung
Herman Hu Chair Professor of Nanomaterials	Prof H ZHANG PhD ( <i>Peking</i> )	3442-4102	hua.zhang

Professors	Prof Michael C W CHAN PhD ( <i>Durham</i> )	3442-9678	mcwchan
	Prof H L KWONG PhD ( <i>MIT</i> )	3442-7304	bhhoik
	Prof Kenneth K W LO PhD ( <i>HKU</i> )	3442-7231	bhkenlo
	Prof Z T XU PhD ( <i>Cornell</i> )	3442-4679	zhengtao
Associate Professors	Dr S G CHEUNG PhD ( <i>HKU</i> )	3442-7749	bhsgche
	Dr Richard Y H CHEUNG PhD ( <i>UMIST</i> )	3442-7299	bhricche
	Dr H HIRAO PhD ( <i>Tokyo</i> )	3442-7096	hhirao
	Dr Vincent C C KO PhD ( <i>HKU</i> )	3442-6958	vinccko
	Dr Richard Y C KONG PhD ( <i>Monash</i> )	3442-7794	bhrkong
	Dr Y W LAM PhD ( <i>HKU</i> )	3442-6347	yunwlam
	Dr Peggy P K LO PhD ( <i>McGill</i> )	3442-7840	peggylo
	Dr J D LUO PhD ( <i>WHU</i> )	3442-7720	jingdluo
	Dr Andy C K SIU PhD ( <i>CUHK</i> )	3442-2272	chiksiu
	Dr H Y SUN PhD ( <i>Singapore</i> )	3442-9537	hongysun
Dr Alex C Y WONG PhD ( <i>HKU</i> )	3442-6831	acywong	
Dr G Y ZHU PhD ( <i>Pittsburgh</i> )	3442-6857	guangzhu	

Assistant Professors	Dr Z X FAN PhD ( <i>NTU</i> )	3442-7817	Zhanxi.fan
	Dr Kit C K KWOK PhD ( <i>Penn State</i> )	3442-6858	ckkwok42
	Dr J H LEE PhD ( <i>SNU</i> )	3442-7822	junghlee
	Dr T H LY PhD ( <i>Sungkyunkwan</i> )	3442-9329	thuchly
	Dr Y MATSUDA PhD ( <i>Tokyo</i> )	3442-7839	ymatsuda
	Dr Will Y K PENG PhD ( <i>Oxford</i> )	3442-7824	ykpeng
	Dr R Q YE PhD ( <i>Rice</i> )	3442-9023	ruquanye
	Dr Z L ZHU PhD ( <i>HKUST</i> )	3442-4559	zonglzhu

## **Technical Staff**

Scientific Officers	Dr Karen T W NG	3442-4090	tszwaing
	Dr M K TSE	3442-2435	manktse
Chief Technical Officer	Ms Helen K Y NG	3442-4080	bhhelen
Senior Technical Officer	Mr Benz C P CHAN	3442-4065	bhbccp
Technical Officers	Mr H H CHAN	3442-4070	bhhhc
	Mr K W CHAU	3442-7107	kawchau
	Mr Michael W L CHIANG	3442-2775	bhchiang
	Miss Amy M Y CHONG	3442-4089	bhachong
	Mr John H Y LAI	3442-4068	bhjlhy
	Mr K F LAM	3442-7007	bhkflam
	Mr Kenneth K K LAU	3442-4082	bhkenlau
	Mr Ivan K K LO	3442-7115	ivan.lo
	Dr Ken S M YIU	3442-6187	kensmyiu
Mr Derry K L YUEN	3442-4064	kalyuen	

## **Administrative Staff**

Executive Officer Is	Ms Natalie P S CHAN	3442-7402	nat.chan
	Miss Grace C M NG	3442-8411	songrace
Clerical Officer I	Miss Dora P K YIM	3442-7404	dora.yim
Clerical Officer IIs	Mr Chris C Y MA	3442-7265	chungyma
	Miss Sora H T CHEUNG	3442-9028	htcheun

## AREAS OF EXPERTISE

	<b>Expertise</b>
<b>Head</b>	
Prof C S LEE	Biomedical Materials, Nanoscience and Nanotechnology, Organic Light-Emitting Devices (OLEDs), Organic Optoelectronics, Surface Science of Organic Semiconductors and Nanomaterials
<b>Associate Head</b>	
Dr K C LAU	Computational Thermochemistry, <i>ab initio</i> Molecular Orbital Studies on the Structures, Energetics, and Reactivities of Chemical Species, Theoretical Aspects of Chemical Bondings, Reaction Mechanisms, Potential Energy Surfaces and Related Properties
<b>Staff</b>	
Prof Michael C W CHAN	Inorganic, Organometallic and Supramolecular Chemistry; Catalysis (design of novel catalysts for polymerization reactions and ‘weak attractive ligand–polymer interactions’); Shape-persistent Luminescent Molecular Frameworks and Polymeric Assemblies
Dr S G CHEUNG	Microplastic pollution, Marine pollution and ecotoxicology, Ecology and conservation of horseshoe crab, Intertidal ecology
Dr Richard Y H CHEUNG	Environmental Pollution and Toxicology, Environmental Monitoring and Auditing, Environmental Control and Waste Management, Environment Impact Assessment, Soil and Terrestrial Plant Ecology
Prof Y CHI	Organometallic Material Chemistry, Organic and Transition-Metal Based Light Emitting Materials for OLEDs, Carrier Transporting Materials for Photovoltaics
Dr Z X FAN	Materials chemistry, Nanoscience, Metal and metal-based nanomaterials, Crystal phase control, Catalysis, Energy conversion
Dr H HIRAO	Computational Chemistry, Homogeneous/Heterogeneous Catalysis, Bioinorganic Chemistry, Medicinal Chemistry, Porous Materials

Prof Alex K Y JEN	Utilizing Molecular, Polymeric, and Biomacromolecular Self-assembly to create ordered arrangement of Organic and Inorganic Functional Materials for Energy, Photonics, Opto-electronics, Nanomedicine, and Nanotechnology.  Employing the “Molecular Engineering” approach to tailor size, shape, sequence, and functionality of Organic/Hybrid Functional Materials and explore their applications.  Organic and hybrid perovskite solar cells and light-emitting diodes, electro-optic materials, and wearable electronics.
Dr Vincent C C KO	Inorganic and Organometallic Chemistry, Photocatalysis, Photochemistry, Photoswitching and Photochromic Material
Dr Richard Y C KONG	Gene Expression and Control Mechanisms, Epigenetics, Molecular Toxicology, DNA-Based Diagnostics
Dr Kit C K KWOK	RNA Biology, Chemical Biology, Nucleic Acids, Gene Regulation, G-quadruplex
Prof H L KWONG	Organic and Inorganic Chemistry, Asymmetric Synthesis and Catalysis, Reaction Mechanisms
Prof Michael H W LAM	Development of Novel Molecular, Nano- and Micro-Scale Materials for In Vitro and In Vivo Imaging, and Environmental Analytical and Biomedical Applications, In Vitro and In Vivo Metabolomic Studies of Various Environmental Contaminations
Prof Paul K S LAM	Environmental Chemistry; Ecotoxicology; Environmental Toxicology and Risk Assessment
Dr Y W LAM	Live Cell Imaging, Proteomics, Biomaterials, Antibiotic Development, Detection of Pathogenic Bacteria, Stem Cell Differentiation, Bio-art, innovative teaching and learning
Prof T C LAU	Photocatalytic Water Splitting and carbon dioxide reduction, Metal-catalyzed Organic Transformations Synthesis and Reactivity of Transition Metal Complexes, Kinetics and Mechanisms of Inorganic Redox Reactions
Dr J H LEE	Plasmonics, Nanomaterials Science, Nanochemistry, Nano-biosensor and Bioimaging, Self-assembly of Nanoparticles
Prof Kenneth M Y LEUNG	Marine Pollution and Ecotoxicology, Environmental Risk Assessment, Marine Ecology, Biodiversity Conservation and Eco-engineered Shorelines

Prof Kenneth K W LO	Analytical, Inorganic and Organometallic Chemistry, Photophysics and Photochemistry, Bioconjugation, Biomolecular and Cellular Probes, Imaging Reagents, and Photodynamic Therapeutics
Dr Peggy P K LO	Chemical Biology, DNA Nanotechnology, Synthetic Chemistry, Biomimetics, Biomolecular Sensing, Bioimaging, Drug delivery
Dr J D LUO	Organic Materials Chemistry, Organic Nonlinear Optics, Near-infrared Molecular Photonics, Polymer Chemistry, and Materials and Devices for Ultrafast Information Processing and Hybrid Photonics
Dr T H LY	2D layered materials (Graphene, Transition Metal Dichalcogenides, etc.), Materials Science, Inorganic and Physical Chemistry, Solar Cells
Dr Y MATSUDA	Bioorganic Chemistry, Natural Products Chemistry and Biosynthesis, Enzymatic Chemistry
Dr Will Y K PENG	Material Surface Chemistry for the Design of Hetero (Photo) Nanocatalysts and MRI Nanocontrast Agents
Dr Andy C K SIU	Computational Chemistry, Density Functional Theory Molecular Dynamics Studies on the Mechanisms of Chemical Reactions at Finite Temperatures, Dissociation Chemistry of Biomolecular Ions and Nano-sized Particles in the Gas Phase
Dr H Y SUN	Chemical Biology, Fluorescent Probes, Bioimaging, Microarray Screening, Peptides, Biomaterials, Target Identification
Dr Alex C Y WONG	Activation of Alkynes by Transition Metals, Alkyne Cyclization, Metallacycles, Metalated Heterocycles, Organometallic Mechanisms, DFT Calculations, Non-Innocent Ligands, Nano Drug Carriers, Cosmetic Formulations
Prof Z T XU	Functional Porous Coordination Networks (MOFs) and Polymer Frameworks, Organic-Inorganic Semiconductors for High Performance and Low-cost Processing, Synthetic Organic Chemistry for Development of Solid State Materials
Dr R Q YE	Material Science, Sustainable Energy Conversions, Electrification, Laser-assisted Materials, Manufacturing, Fluorescent Nanomaterials

Prof H ZHANG

Materials Chemistry, Nanoscience and Nanotechnology, especially phase engineering of nanomaterials (PEN) and controlled epitaxial growth of heterostructures, including the synthesis of ultrathin two-dimensional nanomaterials, novel metallic and semiconducting nanomaterials, novel amorphous nanomaterials, and their hybrid composites for applications in catalysis, clean energy, (opto-)electronic devices, chemical and biosensors, and water remediation.

Dr G Y ZHU

Anticancer Drug Development, Drug Mechanism and Target Validation, Drug Delivery, Chemical Biology, Photoactivatable Drugs

Dr Z L ZHU

Materials Chemistry and Physical Chemistry, Material Design and Synthesis, their physical properties and device performance for optoelectronics application

## **I. KEY MEMBERS OF PROGRAMME MANAGEMENT TEAM**

<b>Programme Leader</b>	Dr Jingdong LUO
<b>Deputy Programme Leader</b>	Dr Ruquan YE
<b>First Year Tutor</b>	Dr Jingdong LUO
<b>Second Year Tutor</b>	Dr Guangyu ZHU

## **II. MODE OF ATTENDANCE AND DURATION**

Master of Science in Chemistry: Combined mode (1-year full-time or 2-year part-time)#

# *Combined mode: Local students taking programmes in combined mode can attend full-time (12-18 credit units per semester) or part-time (no more than 11 credit units per semester) study in different semesters without seeking approval from the University. For non-local students, they will be admitted to these programmes for either full-time or part-time studies. Non-local students must maintain the required credit load for their full-time or part-time studies and any changes will require approval from the University.*

## **III. PROGRAMME AIM**

The Master of Science in Chemistry aims to train and produce graduates with highly marketable research skills and experiences in a wide variety of advanced chemistry disciplines, such as catalysis; synthetic chemistry; materials & biomaterials chemistry; analytical & bio-analytical science; computational chemistry; environmental chemistry and chemical biology, to meet local, regional and global demands for R&D specialists in the industrial, commercial, and government sectors. Graduates are also eligible for pursuing higher research degrees in local and overseas universities and research institutes.

## IV. PROGRAMME INTENDED LEARNING OUTCOMES

Upon successful completion of this Programme, students should be able to:

1. Develop technical competence and skills necessary for carrying out original research in academic and industrial research environment.
  - Acquire and organize resource materials.
  - Present materials effectively, both orally and in writing.
  - Participate confidently in co-operative or independent projects.
2. Acquire and integrate advanced knowledge from a variety of disciplines especially chemical principles and research methodologies via discovery-based studies in order to become effective problem solvers and innovators.
  - Recognize the relation between theory and practices in selected areas of study.
  - Identify and analyze the limitations and challenges in existing research and methodology through critical evaluation of chemical information and key findings of scientific papers.
  - Have an informed respect for the knowledge and technical skills in chemistry and molecular sciences, with special emphasis on the molecular design, chemical methodology, operations of advanced chemical instrumentations and laboratory procedures in synthetic and analytical chemistry.
  - Evaluate experimental data through testing hypotheses, defining problems and creating innovative and practical solutions.
3. Create new knowledge, methodology and understanding through the process of research and inquiry.
  - Carry out research and development work.
  - Develop expertise in a chosen subject area through conducting research as well as the application of theory and techniques provided by the programme.
  - Manage and present research findings in a precise and coherent manner.

## V. PROGRAMME STRUCTURE

### Master of Science in Chemistry: Combined mode (1-year full-time)

Year	Sem	Course Code	Required Courses	Credit Units
1	A	CHEM6118	Advanced Chemical Instrumentation	3
		CHEM6119	Frontiers in Chemical Biology	3
		CHEM6121	Academic and Industrial Research, Development and Innovation	3
	B	CHEM6120	Selected Topics in Chemistry & Molecular Sciences	4
		CHEM6123	Postgraduate Symposium	1
	A&B	CHEM6122	Advanced Seminar Series	4
		CHEM6124	Dissertation	16

### Master of Science in Chemistry: Combined mode (2-year part-time)

Year	Sem	Course Code	Required Courses	Credit Units
1	A	CHEM6118	Advanced Chemical Instrumentation	3
		CHEM6121	Academic and Industrial Research, Development and Innovation	3
	B	CHEM6120	Selected Topics in Chemistry & Molecular Sciences	4
	A&B	CHEM6124	Dissertation	--
2	A	CHEM6119	Frontiers in Chemical Biology	3
	B	CHEM6123	Postgraduate Symposium	1
	A&B	CHEM6122	Advanced Seminar Series	4
		CHEM6124	Dissertation	16

## VI. ASSESSMENT AND PROGRESSION

### 1. Preamble

The assessment of students' performance is an appraisal of the extent to which students are attaining or have attained the objectives of the programme. The regulatory statements contained in this section should be read in conjunction with, and are subject to the overriding authority of, the Academic Regulations of the City University of Hong Kong.

### 2. Assessment Policy and Methods

**2.1** Please refer to the "Academic Regulations for Taught Postgraduate Degrees" on the website of the Chow Yei Ching School of Graduate Studies for details. The assessment system consists of a combination of assessments in coursework and written examination. The assessment criteria vary according to the different components of a course.

**2.2** Coursework consists of student performance in oral presentations, written assignments, projects and dissertation, participation in tutorial and laboratory sessions. Formal written examinations are held after each semester.

**2.3** **Starting from Semester A, 2015/16, students must satisfy the following minimum passing requirement for courses offered by CHEM:**  
**"A minimum of 40% in both coursework and examination components."**

**2.4** Students should be aware that the assessment of their academic work in the University has two aspects: (1) Students will receive "Grades" for the assessment of courses which will be used to calculate Grade Point Average (GPA); (2) The classification of their awards will be based on a "Cumulative Grade Point Average (CGPA)".

Students' overall performance are measured by two types of GPA, a Semester GPA (SGPA) and a Cumulative GPA (CGPA) which will be calculated at the end of a semester. The difference of SGPA and CGPA is that SGPA will only be calculated based on the courses registered in that particular semester, while CGPA is calculated for all courses taken during enrolment for a specific programme. CGPA will be used as the award criteria. Please refer to the "Academic Regulations for Taught Postgraduate Degrees" for the formulae for calculating GPA.

**2.5** **Students may be granted a taught postgraduate award only if they have achieved a CGPA of 2.0 or above.**

**2.6** When a student's **SGPA or CGPA falls below 2.0**, he/she may be advised to reduce the study load in the following semester, or be given an academic warning. Students may repeat a course, or an equivalent course, to recover a failure or to improve a course grade of C or below, subject to the concerned academic unit's course offering schedule and availability. Only two repeat attempts may be permitted. Course grades for all attempts will appear on the student's academic transcript, but only the final grade earned will be included in the calculation of the student's CGPA.

**2.7** Courses may be designated "dissertation-type" courses in the course catalogue. For dissertation-type courses, the catalogue will specify the normal duration for course

registration and the maximum duration for course registration. Students are not permitted to repeat a dissertation-type course.

Courses are graded according to the following schedule:

Grade	Grade Point	Grade Definitions	
A+	4.3	Excellent	The qualifiers, such as “Excellent”, “Good”, “Fair” etc., define student performance with respect to the achievement of course intended learning outcomes (CILOs).
A	4.0		
A-	3.7		
B+	3.3	Good	
B	3.0		
B-	2.7		
C+	2.3	Fair	
C	2.0		
C-	1.7		
D	1.0	Marginal	
F	0.0	Failure	
P (Pass-fail course only)		Pass	
<b>Operational Grades</b>			
IP	In Progress	An IP grade is shown where students will register for the same course in the subsequent semester/term to complete the assessment of the course.	
I	Incomplete	A grade of incomplete may be granted (i) where there are extenuating circumstances that have prevented a student from completing required work, or attending the examination; (ii) at the discretion of the Assessment Panel. Where an “I” grade is assigned, the Assessment Panel may approve a schedule for the completion of work, or a supplementary examination. An alternative grade should be assigned no later than four weeks after the "I" grade is first reported or as soon as practicable thereafter.	
S	Dissertation Submitted	In a dissertation-type course, an S grade is assigned by the Course Leader when a student’s dissertation has been submitted for assessment.	
TR	Credit Transfer	Assigned when a student is granted transferred credit units for the course.	
Z	Exemption	Assigned when a student is exempted from the course.	
AU	Audit	An audited grade is assigned when an auditing student has completed the conditions established at registration as an auditor. No assessment is made or grade awarded for auditing.	
X	Late Drop	Assigned when a student is permitted to drop the course after the add/drop deadline.	
WD	Withdrawn	Assigned when a student has registered for the course in a semester/term and subsequently submitted a notification of withdrawal from the University.	

- 2.8 Regarding termination of study, please note the Academic Regulations:**
- “1. The University has the right to terminate a student’s studies for failure to maintain satisfactory academic progress, as determined by the Examination Board, or to comply with the policies and procedures of the University.**
  - 2. The Examination Board may terminate the studies of a student under the following circumstances:**
    - (i) The student’s SGPA is below 1.00 for two consecutive semesters; or**
    - (ii) The student’s academic progress is unsatisfactory and is unable to meet the conditions stipulated by the home academic unit after being put on Academic Probation for two consecutive semesters.**
  - 3. Irrespective of 2 above, the Examination Board may prescribe any other criteria for terminating a student’s studies.**
  - 4. Notwithstanding 2 and 3 above, students’ studies will be terminated if they fail to pass a required course, or its equivalent/substitute course, after three attempts.**
  - 5. For termination of studies due to academic reasons, students may apply for readmission to the University, with admission to any programme occurring no earlier than one academic year after the termination. Upon readmission to the same programme after termination of studies, students may be given one additional opportunity to pass each required course they have failed in their three previous attempts.”**

**2.9** The classification of final awards and recommendations to Senate to confer awards are made by the Departmental Assessment Panel.

**2.10** The demarcation of award boundaries for Taught Postgraduate Degree Programmes is as follows:

<b>Award</b>	<b>CGPA</b>
Distinction	3.50 or above
Credit	3.20-3.49
Pass	2.00-3.19

**2.11 Illness or other Circumstances Related to Assessment**

- “1. A student who reasonably believes that his/her ability to attend an examination, or in-course assessment with a weighting of 20% or above, has been adversely affected by circumstances beyond his/her control must submit the case, with documentary evidence, to his/her home academic unit following the procedures stated on the University website, as soon as possible but no later than 5 working days of the scheduled date for completing the affected examination or assessment.**
- 2. The home academic unit of the student will investigate the case, in consultation with the course-offering academic unit. Only compelling reasons such as illness, hospitalization, accident, family bereavement or other unforeseeable serious personal or emotional circumstances will be considered. The decision of the home academic unit is final and will be conveyed to the student in writing as soon as possible but no later than 10 working days following receipt of the case.**
- 3. If the case is justified and substantiated, the decision will be conveyed to the Assessment Panel which will determine whether to offer the student a make-up examination or coursework or other alternative assessment. Where assessments for more than one course are affected, it is the responsibility of**

**the home academic unit to inform all relevant Assessment Panels. The Assessment Panel may also adjust the grade of the student if deemed appropriate. The course-offering academic unit will convey the Assessment Panel's decision on the make-up arrangements to the student in writing as soon as possible."**

### **3. Rules on Academic Honesty**

- 3.1** Please refer to the "Rules on Academic Honesty" on the website of the Office of the Provost for details.
- 3.2** Academic honesty is central to the conduct of academic work. Students are expected to present their own work, give proper acknowledgement of other's work, and honestly report findings obtained. As part of the University's efforts to educate students about academic honesty, all students are required to complete the Online Tutorial and Quiz on Academic Honesty and make a Declaration on their understanding of academic honesty.
- 3.3** Academic dishonesty is regarded as a serious offence in the University. Any related offence can lead to disciplinary action with a penalty including expulsion from the University and debarment from re-admission.
- 3.4** **Plagiarism is a serious offence** involving "the use of somebody else's ideas, words, etc. as one's own". Examples of such acts are copying other students' work in examinations, in tests, or in tasks for coursework assignments, repetition of part or whole sentences / paragraphs / any materials from hard-copy publications or online sites for one's own use **without acknowledgement of the source in one's work.**
- 3.5** Students should refer to the "**Guidelines for Writing a Master's Dissertation**" for proper format of reference citation.

### **4. Articulation**

- 4.1** For students who have completed an award level at the University and wish to enrol in a higher award level within the programme, the previous credit units and grades earned from lower level awards within the same programme may count toward the higher award level being pursued and in the calculation of a student's GPA. The validity period for courses recognized at the time of admission for credit transfer purposes is 8 years.
- 4.2** The full MSc degree award in CHEM requires 34 credit units with the completion of taught courses plus the Dissertation.

## VII. COMMUNICATION CHANNELS

### Course Leaders, Lecturers and Tutors

The role of a Course Leader is to coordinate the activities of individual courses. If you have any problem with your study in a particular course, you should see your Lecturer, Tutor and/or Course Leader without delay. They can be reached by phone or by email, you will find them in general friendly and helpful.

### Year Tutors

The Year Tutors are responsible for the day-to-day administration of a specific year of the Programme. **For the current academic year 2020/21, Dr Jingdong LUO is the First Year Tutor and Dr Guangyu ZHU is the Second Year Tutor.** You may consult them on any matters related to your particular year of study.

### Programme Committee and Programme Leader

The Programme Committee is the departmental body responsible for the organization, academic development and monitoring of the programme. The Committee consists of academic staff and student members. Two students from each programme-year, elected by and from the students studying in each year of the programme, are appointed to the Committee on a one-year term. **For the 2020/21 academic year, the Chairman of the Programme Committee is Dr Jingdong LUO who is also the Programme Leader.** The Programme Leader reports to the Head of Department and is responsible for the day-to-day administration of the Programme.

### Joint Staff-Student Consultative Committee (JSSCC)

The JSSCC is a formal part of the consultative process between students and staff in the Department, but the meetings are conducted in an informal manner and do not make binding decisions. The idea is to give students an opportunity to express their views on the content and organization of the Programme and to raise any complaint or make any suggestion of a general nature. Student representatives (two from each programme-year) will meet with the Programme Leader and the Year Tutors at least once a semester, usually near the end of the semester.

### Canvas

Canvas is an e-learning platform established for all undergraduate and postgraduate courses which can also be used as a means of communication for staff and students. Through Canvas, students can provide feedback to the Programme Leader or Year Tutors throughout the whole year and thus maintain a continuous dialogue with them.

### Wiki Site for CHEM students

A special channel has been created to facilitate our communication with students. The link can be found under “Related Links” on the homepage of the CHEM website. The Wiki Site is the main platform to provide important news and announcements for CHEM students’ attention. Please check the Wiki Site on a regular basis.

## Student Development Services, CityU

The SDS of the CityU has various counselling services that every CityU student can use. Please contact the SDS direct if you need help in solving problems on academic work, personal adjustment, family and social relationship, financial difficulties as well as career development.

## VIII. USEFUL INFORMATION FOR STUDENTS

The CityU Portal (<https://www.cityu.edu.hk/portal/>) is one of the major communication channels between students and staff and the University. Students will be able to locate useful information like University policies, academic regulations, programmes and courses, curriculum planning, examination arrangement and other student facilities/services via the CityU Portal. To know more about course registration, class scheduling and assessment-related matters, students may also visit the websites of:

- Academic Regulations and Records Office: <http://www.cityu.edu.hk/arro/>.
- Chow Yei Ching School of Graduate Studies: <http://www.cityu.edu.hk/sgs/>.

## IX. COURSES AND RESPECTIVE COURSE LEADERS

CHEM6118	Advanced Chemical Instrumentation	Dr Andy Siu
CHEM6119	Frontiers in Chemical Biology	Dr Guangyu Zhu
CHEM6120	Selected Topics in Chemistry & Molecular Sciences	Prof Zhengtao Xu
CHEM6121	Academic and Industrial Research, Development and Innovation	Dr Jung-Hoon Lee
CHEM6122	Advanced Seminar Series	Prof Michael Lam
CHEM6123	Postgraduate Symposium	Dr Vincent Ko
CHEM6124	Dissertation	Dr Alex Wong

\*\*Details of individual courses are available on CHEM departmental homepage at: <https://www.cityu.edu.hk/chem/programme/list.html>

