

HKUST Inbound Virtual Study Abroad (Spring 2022) - Course List

Spring 2022 Term dates: 4 February - 11 May 2022; 17 - 28 May 2022 (Examination period)

All courses are synchronous, online interactive classes unless otherwise specified. All students are required to attend classes and assessments according to the time and format set by the instructors. **NO** special arrangements will be made for virtual study abroad students. Students should consider time zone differences before enrolling into a course.

- (*) For each course, students must enroll **all** its corresponding **lecture (L)**, **tutorial (T)**, **lab (LA)** and **research (R)**, if any. If multiple **tutorials** are available (e.g. **T1A** and **T1B**), students should enroll only one of them (i.e. either **T1A** or **T1B**). Similarly, if multiple **labs** are available (e.g. **LA1** and **LA2**), students should enroll only one of them (i.e. either **LA1** or **LA2**).
- (β) Information of the most updated class schedule and instructor are available at <https://w5.ab.ust.hk/wcq/cgi-bin/>. Courses and sections that are shown on the website but not here are not open to inbound virtual study abroad students.
- (#) Please refer to the [HKUST UG Course Catalog](#) regarding to the course descriptions and their prerequisite and corequisite courses, if any.
- (^) The syllabi here are for reference only. Syllabi are subject to changes and adjustments to fit the teaching as deemed appropriate by the course instructors.
- (&) Due to limited number of course quota, priority will be given to partners who are hosting HKUST students to participate in their virtual courses.

While every effort has been made to avoid cancellation of course, we cannot guarantee that all courses listed below will be offered eventually. External factors such as industrial action and leave of staff may make it impossible for us to offer a previously provided option. HKUST reserves the right to make any changes on this course list.

Discipline	Course Code	Course Title and Description	Credits	Section (*)	Class Schedule (β) (Hong Kong time)	Instructor (β)	Requisite Waiver Required (#)	Syllabus (^)	Quota (&)	Remarks
Science	CHEM 1004	Chemistry in Everyday Life This course is intended for students with very little to no chemistry background. The basic ideas and principles of chemistry will be explained through many examples of everyday life. The course will focus on developing a chemical understanding of the materials and processes that surround us in the world. Many relevant topics will be discussed such as the air, air pollution, global warming, ozone depletion, metals and their uses, minerals and gems, fire and fuels, color and light, food and drinks, household chemical products, polymers and drugs.	3	L1	MoWe 12:00PM - 1:20PM	CHAN, Kwan Kit Jason	-	Click here	5	-
Science	CHEM 1010	General Chemistry IA This course is an introduction to fundamental principles of chemistry for students who have learnt the basic knowledge of chemistry in high school. Topics include atomic structure and periodicity, chemical bonding and molecular structure, basic properties of gases, liquids and solids, chemical kinetics, chemical equilibrium, and basic organic and biological molecules.	3	L1	MoWe 9:00AM - 10:20AM	TSANG, Ming Wai Emily	Yes, please refer to the HKUST UG Course Catalog .	Click here	5	-

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Science	CHEM 1020	General Chemistry 1B This course targets at students who have acquired more advanced knowledge in fundamental Chemistry in high school. Key topics include atomic structure and periodicity, bonding theories, chemical energy, and properties of gases, liquids and solids. Other topics such as chemical kinetics, chemical equilibrium and organic molecules will be briefly reviewed.	3	L1	WeFr 4:30PM - 5:50PM	HUANG, Jingjing; JIA, Guocheng	Yes, please refer to the HKUST UG Course Catalog .	Click here	5	
Science	LIFS 2220	Biochemistry II Principles of bioenergetics and cellular structures; glycolysis, citric acid cycle, electron transport, oxidative phosphorylation and chemiosmosis; carbohydrate, lipid, amino acid and nucleotide metabolism; photosynthesis and nitrogen fixation.	3	L1	TuTh 4:30PM - 5:50PM	KO, Robert Kam Ming	Yes, please refer to the HKUST UG Course Catalog .	Click here	5	
Science	OCES 1030	Environmental Science This course introduces students to the general concepts of environment, natural resources, and sustainable development. The topics include pressing global, regional and local environmental changes; life-supporting systems of our planet; biodiversity and its conservation; atmosphere, water resources, and their pollutions; solid and hazardous waste management; environmental health and sustainable development. Throughout the course, students will gain a sufficient background and a better understanding of the root-causes of the upfront environmental issues. They will also become more aware of their role, as citizens, in environmental protection and sustainable development.	3	L1	WeFr 3:00PM - 4:20PM	KO, Ice Wai Ping; YAU, Sin Ting Cynthia	-	Click here	5	
Engineering	COMP 1029C	C Programming Bridging Course This course introduces the C programming language. It is intended for students who already have some experience in computer programming but wish to learn how to apply those programming skills to the C language. The course covers basic programming topics, such as variables, control, loops, and functions, to more advanced topics. Students explore these by self-learning of course materials together with guided programming exercises.	1	L1 LA1	-	LAM, Gibson	Yes, please refer to the HKUST UG Course Catalog .	Click here	10	Graded P or F. This is a self-learning online course without any fixed class schedule.

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Engineering	COMP 1029J	Java Programming Bridging Course This course introduces the Java programming language. It is intended for students who already have some experience in computer programming but wish to learn how to apply those programming skills to the Java language. The course covers basic programming topics such as variables, control statements, loops, functions, and object-oriented programming concepts. Students explore these by self-learning of course materials together with guided programming exercises.	1	L1	-	LAM, Gibson	Yes, please refer to the HKUST UG Course Catalog .	Click here	10	Graded P or F. This is a self-learning online course without any fixed class schedule.
				LA1						
Engineering	COMP 1029P	Python Programming Bridging Course This course introduces the Python programming language. It is intended for students who already have some experience in computer programming but wish to learn how to apply those programming skills to the Python language. The course covers basic programming topics, such as variables, functions and loops, to more advanced topics. Students explore these by self-learning of course materials together with guided programming exercises.	1	L1	-	LAM, Gibson	Yes, please refer to the HKUST UG Course Catalog .	Click here	10	Graded P or F. This is a self-learning online course without any fixed class schedule.
				LA1						
Engineering	COMP 1029V	Excel VBA Programming Bridging Course This course introduces the VBA programming language, in the context of Microsoft Excel. It is intended for students who already have some experience in computer programming but wish to learn how to apply those programming skills to VBA, within Excel. The course covers basic programming topics, such as variables, functions and loops, to more advanced topics. Appropriate features of the Excel program are also covered. Students explore these by self-learning of course materials together with guided programming exercises.	1	L1	-	LAM, Gibson	Yes, please refer to the HKUST UG Course Catalog .	Click here	10	Graded P or F. This is a self-learning online course without any fixed class schedule.
				LA1						

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Business & Management	ENTR 1001	Entrepreneurship 1001: Building Your Own Future This course introduces various elements of starting an entrepreneurial journey, including team building, crowd sourcing, use of social media, etc. Based on an experiential learning model, there will be sharing from industry representatives in class while students will also have opportunities to gain authentic experiences in different industries and reaching out to network of co-working spaces. This course does not require students to have previous entrepreneurial experience or any form of business training.	3	L1	WeFr 1:30PM - 2:50PM	HUANG, Erwin	-	Click here	10	-
Business & Management	MGMT 3170	Managing CSR (Corporate Social Responsibility) This course will focus on specific CSR (Corporate Social Responsibility) issues facing companies today. Along with changing attitudes, new global regulatory CSR requirements are increasingly putting firms under pressure to demonstrate positive social and environmental impacts, while maintaining their commitments to investors. Students will investigate how actual firms are managing these pressures while continuing to address the needs of their stakeholders. Incorporating aspects of the benchmark standards such as the GRI and various ESG (Environmental Social Governance) initiatives will help students to strengthen their own knowledge, skill, and attitudes in this area. The course has an embedded project, with direct links to one or more businesses, which will give students the necessary practical grounding for effectively understanding the challenges of CSR in the contemporary business environment.	3	L1	TuTh 3:00PM - 4:20PM	ROSENCRANTZ, Louise Marie Ariadne	-	Click here	5	-