

**City University of Hong Kong**

**List of Courses Offered for Visiting Study in Semester B 2024/25**

- Individual course information for the 2024/25 academic year is normally available from late July 2024 at <https://www.cityu.edu.hk/academic/catalogue>. Prior to that period, applicants may refer to the course information of the preceding academic year for reference only.
- The priority of course registration is given to regular students. There is no guarantee that the applications from visiting students can be considered for the courses listed.
- All courses are subject to approval by the academic units concerned and availability of places. The application fee paid will not be refunded or transferred.
- Visiting students will only be admitted if the relevant School/Department is satisfied with their academic suitability for the course(s) applied for, and if there are places available on the course(s).
- The course list is subject to change without prior notice.

**Semester B 2024/25**

<i>Course Offered by (College/School/Department)</i>	<i>Course Code</i>	<i>Course Title</i>	<i>Credit Units</i>
<u>College of Business</u>			
Department of Economics and Finance	EF5042	Corporate Finance	3
	EF5052	Investments	3
	EF5342	Financial Systems, Markets and Instruments	3
<u>College of Engineering</u>			
Department of Biomedical Engineering	BME6115	Biorobotics	3
Department of Computer Science	CS5182	Computer Graphics <sup>note 1</sup>	3
	CS5188	Virtual Reality Technologies and Applications <sup>note1</sup>	3
	CS5281	Internet Application Development	3
	CS5293	Topics on Information Security <sup>note1</sup>	3
	CS5296	Cloud Computing: Theory and Practice <sup>note1</sup>	3
	CS5483	Data Warehousing and Data Mining <sup>note1</sup>	3

<b>Course Offered by (College/School/Department)</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credit Units</b>
	CS5489	Machine Learning: Algorithms and Applications <sup>note1</sup>	3
	CS5491	Artificial Intelligence <sup>note1</sup>	3
	CS6290	Privacy-enhancing Technologies <sup>note1</sup>	3
	CS6491	Topics in Optimization and its Applications in Computer Science <sup>note1</sup>	3
	CS6493	Natural Language Processing <sup>note1</sup>	3
Department of Electrical Engineering	EE5410	Signal Processing	3
	EE5412	Telecommunication Networks	3
	EE5430	Advanced CMOS Technology	3
	EE5438	Applied Deep Learning	3
	EE5806	Topics in Image Processing	3
	EE6428	Optical Communications	3
	EE6435	Multi-Dimensional Data Modeling and its Applications	3
	EE6610	Queueing Theory with Telecommunications Applications	3
	EE6619	Antenna Design for Wireless Communications	3
	EE6620	Linear Systems Theory & Design	3
Department of Mechanical Engineering	MNE5112	Mechanical Design with Advanced Material & Additive Manufacturing	3
	MNE6001	CAD/ CAM Integration	3
	MNE6116	Applied Engineering Mechanics	3
	MNE6125	Engineering Methods	3
	MNE6126	Sensors for Robotics, AI, and Control Systems	3

<i>Course Offered by (College/School/Department)</i>	<i>Course Code</i>	<i>Course Title</i>	<i>Credit Units</i>
	MNE6130	Modern Robotics	3
	MNE6046	Nano-manufacturing	3
Department of Materials Science and Engineering	MSE5304	Thermodynamics of Materials	3
	MSE6183	Computational Methods for Materials Science	3
	MSE6185	Advanced Structural Materials	3
	MSE6265	Quantum Theory of Semiconductors	3
	MSE6303	Corrosion and Surface Engineering	3
	MSE8015	Theory and Practice of Transmission Electron Microscopy and Related Spectroscopy	3
	MSE8019	Functional Properties of Materials	3
	MSE8021	Kinetic and Thermodynamic Properties of Materials	3
Department of Systems Engineering	SYE5010	Engineering Management Principles and Concepts	3
<u>College of Liberal Arts and Social Sciences</u>			
Department of Public and International Affairs	PIA5500	Understanding the Modern Metropolis	3
	PIA5510	Understanding and Managing Smart Cities	3
	PIA5703	Contemporary Issues in Housing and Urban Management	3
Department of Linguistics and Translation	LT5403	Semantics and Discourse	3
	LT5406	Psycholinguistics	3
	LT5408	Sociolinguistics	3
	LT5413	Philosophy of Language	3

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	LT5422	Neurocognition of Language	3
	LT5432	Lexical Semantics	3
	LT5452	Learning and Teaching Chinese as a Foreign Language	3
	LT5454	Grammar of Chinese	3
	LT5457	Computational Lexicography	3
	LT5458	Computer-Assisted Language Learning	3
	LT5459	Terminology and Translation	3
	LT5460	Studies of Second Language Acquisition	3
	LT5461	Cognition and Language Differences	3
	LT5601	Stylistics and Translation	3
	LT5606	Translating Cultures	3
	LT5617	Bilingual Reading and Writing for Translators	3
	LT5630	Special Topics in Translation and Interpretation	3
	LT6505	Legal Translation	3
Department of Social and Behavioural Sciences	SS5204	Penology & Rehabilitation of Offenders	3
	SS5423	Programme Design & Evaluation	3
	SS5428	Applied Social Statistical Analysis	3
	SS5750	Perception and Cognition <sup>note 1</sup>	3
	SS5756	Biological Basis of Behavior <sup>note 1</sup>	3
	SS5794	Psychological Testing	3
<u>College of Science</u>			
Department of Chemistry	CHEM6114	Food Processing and Food Chemistry	3

<i>Course Offered by (College/School/Department)</i>	<i>Course Code</i>	<i>Course Title</i>	<i>Credit Units</i>
	CHEM6125	Selected Topics in Chemistry & Molecular Sciences	3
	CHEM6131	Frontiers in Modern Synthetic Chemistry	3
	CHEM6133	Advanced Entrepreneurship Programme in Chemistry	3
Department of Mathematics	MA6629	Advanced Stochastic Analysis in Finance	3
Department of Physics	PHY8252	Statistical Mechanics (mainly taught by Visiting Prof)	3
	PHY8255	Quantum Optics <sup>note1</sup>	3
	PHY8401	Advanced Instrumentation and Measurement Methods for Experimental Physics	3
	PHY8504	Physics at Nanoscale	3
	PHY8505	Modern Topics in Engineering and Applied Physics	3
	PHY8521	Advanced Solid State Physics <sup>note1</sup>	3
	PHY8522	Advanced Imaging Physics	3
	PHY8603	Introduction to Quantum Information <sup>note1</sup>	3
<b><u>Jockey Club College of Veterinary Medicine and Life Sciences</u></b>			
Department of Biomedical Sciences	BMS5001	Common Diseases and Research	3
	BMS5007	Pharmacology Principles in Drug Discovery and Development	3
	BMS5008	Fundamental and Advanced Multi-omics Research	3
	BMS5009	Ageing and the Science of Human Longevity	3

<i>Course Offered by (College/School/Department)</i>	<i>Course Code</i>	<i>Course Title</i>	<i>Credit Units</i>
	BMS5010	Artificial Intelligence in Health Science Research and Management	3
<b>School of Creative Media</b>			
	SM5308	Art and Technology	3
	SM5312	Interactive Media I	3
	SM5317	Digital Sound & Computer Music	3
	SM5339	Art and Activist Games Workshop	3
	SM5344	Abstract and Experimental Animation	3
	SM6325	Philosophy of Technology and New Media	3
	SM6328	Analysis and Criticism of Computer Games	3
	SM6331	Digital Media for Curating	3
	SM6348	Under the Skin of Fashion	3
<b>School of Data Science</b>			
	SDSC8006	Reinforcement Learning <sup>note 2</sup>	3
	SDSC8013	Statistical Methods for Categorical Data Analysis <sup>note 2</sup>	3
<b>School of Energy and Environment</b>			
	SEE5201 /SEE8211	Air Pollution and Atmospheric Chemistry	3
	SEE5211/ SEE8212	Data Analysis in Environmental Applications	3
	SEE5212/ SEE8220	Environmental Pollution: Theories, Measurement and Mitigation	3
	SEE6102/ SEE8112	Energy Efficiency and Conservation Technologies	3

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	SEE6103	Energy Conversion: Theory and Methodology	3
	SEE6104	Energy Conservation and Audit	3
	SEE6212/ SEE8213	Environmental Modelling	3
	SEE6213/ SEE8221	Wastewater Engineering and Water Quality Assessment	3

note 1: Subject to pre-requisite requirements

note 2 Registration requires endorsement from the course leaders