

## City University of Hong Kong

### List of Courses Offered for Visiting Study in Semester A 2024/25

- Individual course information for the 2024/25 academic year is normally available from last 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.
- The course list is subject to change without prior notice.

#### Semester A 2024/25

<i>Course Offered by</i> <i>(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	EF5010	Economics for Business	3
	EF5042	Corporate Finance	3
	EF5052	Investments	3
	EF5342	Financial Systems, Markets and Instruments	3
<u>College of Engineering</u>			
Department of Biomedical Engineering	BME6123	Flexible Bioelectronics for Medical Applications	3
	BME6114	Advanced Control Systems	3
Department of Computer Science	CS5187	Vision and Image <sup>note 1</sup>	3
	CS5222	Computer Networks and Internets	3
	CS5285	Information Security for eCommerce	3
	CS5351	Software Engineering <sup>note 1</sup>	3
	CS5481	Data Engineering <sup>note 1</sup>	3
	CS5487	Machine Learning: Principles & Practice <sup>note 1</sup>	3

<b>Course Offered by (College/School/Department)</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credit Units</b>
	CS5488	Big Data Algorithms and Techniques <small>note 1</small>	3
	CS6382	Algorithm Analysis and Game Theory <small>note1</small>	3
	CS5182	Computer Graphics <small>note1</small>	3
Department of Electronic Engineering	EE5415	Mobile Applications Design and Development	3
	EE5425	Fundamentals of Radio Frequency (RF) Circuit Engineering	3
	EE5434	Machine Learning for Signal Processing Applications	3
	EE5435	Advanced Topics in Applied Electromagnetics	3
	EE5436	Fundamentals and Applications of Photonics	3
	EE5437	Internet of Things Technologies for Future City Applications	3
	EE5808	Topics in Computer Graphics	3
	EE5811	Topics in Computer Vision	3
	EE5815	Topics in Security Technology	3
	EE6603	Wireless Communication Technologies	3
	EE6605	Complex Networks: Modeling, Dynamics & Control	3
	EE6615	Nanotechnology for Devices & Microsystems	3
	EE6617	Detection and Estimation – Theory and Applications in Communications	3
Department of Mechanical Engineering	MNE6110	Mechanical Behaviour of Materials: From Metallic to Biomedical/ Biological Materials	3

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	MNE6007	Advanced Automation Technology	3
	MNE6005	Micro Systems Technology	3
	MNE6113	Advanced Thermo-fluid	3
	MNE6127	Microfluidics: From Fundamentals to Applications	3
	MNE6129	Sustainable Engineering Practice	3
Department of Materials Science and Engineering	MSE5301	Instrumentation for Materials Characterization	3
	MSE5303	Structure and Deformation of Materials	3
	MSE6121	Thin Film Technology and Nanocrystalline Coatings	3
	MSE6176	Nanomaterials Design for Energy Applications	3
	MSE6181	Photonics in Nanomaterial Systems and Devices	3
	MSE6182	Polymers and Composites and Nano-applications	3
	MSE6184	Biomedical Materials and Devices with Nano-applications	3
	MSE8001	Survival Skills for Research Scientists	2
	MSE8016	Materials Characterization Techniques	3
	MSE8017	Materials Chemistry	3
	MSE8020	Structural Properties of Materials	3
Department of Systems Engineering	SYE5006	Operations Management	3
<u>College of Liberal Arts and Social Sciences</u>			
Department of Public and International Affairs	PIA5101	Theories of Government and Public Administration	3

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	PIA5339	Labour, Sustainability and Development	3
	PIA5701	Comparative and International Housing and Urban Policy	3
	PIA5710	State and Market in China	3
	PIA6202	Evidence-based Policy and Practice	3
Department of Linguistics and Translation	LT5401	Phonetics and Phonology	3
	LT5402	Syntax and Morphology	3
	LT5407	Research Methodology for Applied Linguistics	3
	LT5411	Computational Linguistics	3
	LT5412	Language Teaching	3
	LT5421	Corpus Linguistics	3
	LT5431	Functional Approaches to Syntax	3
	LT5451	Pedagogical Grammar: Chinese and English	3
	LT5510	Contrastive Studies of Chinese and English Grammar	3
	LT5603	Theory of Translation	3
	LT5604	Translation Methodology	3
	LT5621	Language and Literature in Translation	3
	LT5903	Language and its Applications	3
	LT5904	Language and Culture in Society	3
Department of Social and Behavioural Sciences	SS5302	Research Methods in Social Sciences	3
	SS5400	Applied Sociology	3

<i>Course Offered by (College/School/Department)</i>	<i>Course Code</i>	<i>Course Title</i>	<i>Credit Units</i>
	SS5753	Advanced Social Psychology <sup>note 1</sup>	3
	SS5755	Applying Psychology to Contemporary Issues <sup>note 1</sup>	3
	SS5757	Personality Theories and Assessment <sup>note1</sup>	3
	SS5758	Educational Psychology	3
	SS5791	Advanced Health Psychology <sup>note 1</sup>	3
	SS5841	Counselling Skills Laboratory	3
<u>College of Science</u>			
Department of Chemistry	CHEM6118	Advanced Chemical Instrumentation	3
	CHEM6119	Frontiers in Chemical Biology	3
	CHEM6121	Academic and Industrial Research, Development and Innovation	3
	CHEM6132	Frontiers in Sustainable Energy Conversion and Storage	3
Department of Mathematics	MA5617	Statistical Data Analysis	3
	MA5618	Stochastic Analysis in Finance	3
Department of Physics	PHY8001	Survival Skills for Research Scientists	3
	PHY8004	Postgraduate Seminar	3
	PHY8251	Advanced Quantum Mechanics <sup>note1</sup>	3
	PHY8253	Introduction to Biophysics	3
	PHY8501	Modern Characterization Techniques for Materials Physics	3
	PHY8502	Advanced Computational Methods	3
	PHY8503	Mathematical Methods for Scientists and Engineers	3
	PHY8523	Advanced Nuclear Medicine Physics	3

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	PHY8526	Energy Materials: Physics and Applications	3
<u>Jockey Club College of Veterinary Medicine and Life Sciences</u>			
Department of Biomedical Sciences	BMS5002	Infectious Disease Management	3
	BMS5011	Wearable Technologies and Health Science Research	3
<u>School of Creative Media</u>			
	SM5307	Digital Media & Moving Images	3
	SM5313	Interactive Media II	3
	SM5316	Topics in Media Art I	3
	SM5318	Topics in Media History and Theory I	3
	SM5323	Topics in Media History and Theory II	3
	SM5325	Introduction to Media and Cultural Studies	3
	SM5339	Art and Activist Games Workshop	3
	SM5347	Topics in Media Worlding	3
	SM6316	Media Art: Theory and Practice II	3
	SM6331	Digital Media for Curating	3
	SM6332	Computer Games and Society	3
	SM6333	World Making: Artistic Strategies for Contingent Systems	3
<u>School of Energy and Environment</u>			
	SEE5114/ SEE8114	Energy, Environment and Sustainable Development	3
	SEE5202	Climate Change: Science, Adaptation and Mitigation	3

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	SEE6101/ SEE8111	Energy Generation and Storage Systems	3
	SEE6115/ SEE8115	Carbon Audit and Management	3
	SEE6118/ SEE8125	Emerging Energy Technologies	3
	SEE6201/ SEE8219	Environmental and Energy Policy	3
	SEE6214	Solid Waste Treatment and Management	3
	SEE6224/ SEE8224	Environmental Engineering Science	3
	SEE6225/ SEE8225	Environmental Assessment	3

note 1: Subject to pre-requisite requirements