

**City University of Hong Kong**  
**List of Courses Offered for Visiting Study in Semester A 2023/24**

- Individual course information for the 2023/24 academic year is normally available from last July 2023 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 2023/24**

<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	EF5010	Economics for Business	3
	EF5042	Corporate Finance	3
	EF5052	Investments	3
	EF5342	Financial Systems, Markets and Instruments	3
<u>College of Engineering</u>			
College of Engineering	EG5001	Fundamentals of Radiation Physics and Dosimetry	3
	EG5002	Radiation Biology	3
	EG5003	Anatomy for Physicists and Engineers	3
	EG5102	Health Physics	3
Department of Advanced Design and Systems Engineering (to be retitled as Department of Systems Engineering w.e.f. 1 May 2023)	SEEM5006	Operations Management <sup>note 1</sup>	3
	SEEM5010	Engineering Management Principles & Concepts <sup>note 1</sup>	3

<b><i>Course Offered by (College/School/Department)</i></b>	<b><i>Course Code</i></b>	<b><i>Course Title</i></b>	<b><i>Credit Units</i></b>
Department of Biomedical Engineering	BME6101/ BME8103	Manufacturing of Biomedical Devices	3
	BME6123/ BME8134	Flexible Bioelectronics for Medical Applications	3
	BME6136/ BME8136	Advanced Biomaterials for Healthcare and Biomedical Applications	3
Department of Computer Science	CS5222	Computer Networks and Internets	3
	CS5285	Information Security for eCommerce	3
	CS5351	Software Engineering <sup>note 2</sup>	3
	CS5481	Data Engineering	3
	CS5486	Intelligent Systems	3
	CS5488	Big Data Algorithms and Techniques <sup>note 2</sup>	3
	CS5489	Machine Learning: Algorithms and Applications <sup>note 2</sup>	3
	CS5491	Artificial Intelligence <sup>note 2</sup>	3
Department of Electronic Engineering	EE5434	Machine Learning for Signal Processing Applications	3
	EE5435	Advanced Topics in Applied Electromagnetics	3
	EE5436	Fundamentals and Applications of Photonics	3
	EE5438	Applied Deep Learning	3
	EE5439	Meta-device and Photonic System Analysis <sup>note 3</sup>	3
	EE5815	Topics in Security Technology	3
	EE6603	Wireless Communication Technologies	3

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	EE6605	Complex Networks: Modeling, Dynamics & Control	3
	EE6615	Nanotechnology for Devices & Microsystems	3
	EE6617	Detection and Estimation – Theory and Applications in Communications	3
	EE6619	Antenna Design for Wireless Communications	3
Department of Mechanical Engineering	MNE6110	Mechanical Behaviour of Materials: From Metallic to Biomedical/ Biological Materials	3
	MNE6007	Advanced Automation Technology	3
	MNE6119	Electron Microscopy	3
	MNE6001	CAD/ CAM Integration	3
	MNE6005	Micro Systems Technology	3
	MNE6113	Advanced Thermo-fluid	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
	MSE6183	Computational Methods for Materials Science	3
	MSE6184	Biomedical Materials and Devices with Nano-applications	3
	MSE8001	Survival Skills for Research Scientists	2

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	MSE8016	Materials Characterization Techniques	3
	MSE8017	Materials Chemistry	3
	MSE8020	Structural Properties of Materials	3
<b><u>College of Liberal Arts and Social Sciences</u></b>			
Department of Chinese and History	CAH5702	Chinese Documentology	3
	CAH5707	Classical Chinese Philology	3
	CAH5722	Chinese Creative Writing	3
	CAH5711	Chinese Written Characters, Literary Chinese, and East Asian History	3
	CAH5744	Museum Studies in China	3
	CAH5745	Archaeology and Civilization of Early China	3
	CAH5754	Cultural and Creative Industries in Greater China	3
Department of Public and International Affairs	PIA5339	Labour and Development	3
	PIA5701	Comparative and International Housing and Urban Policy	3
Department of Linguistics and Translation	LT5401	Phonetics and Phonology	3
	LT5402	Syntax and Morphology	3
	LT5411	Computational Linguistics	3
	LT5412	Language Teaching	3
	LT5421	Corpus Linguistics	3
	LT5431	Functional Approaches to Syntax	3
	LT5452	Learning and Teaching Chinese as a Foreign Language	3

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	LT5603	Theory of Translation	3
	LT5604	Translation Methodology	3
	LT5617	Bilingual Reading and Writing for Translators	3
	LT5633	Performance and 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
	SS5753	Advanced Social Psychology <sup>note 2</sup>	3
	SS5755	Applying Psychology to Contemporary Issues <sup>note 2</sup>	3
	SS5758	Educational Psychology	3
	SS5791	Advanced Health Psychology <sup>note 2</sup>	3
	SS5794	Psychological Testing	3
	SS5841	Counselling Skills Laboratory	3
<b><u>College of Science</u></b>			
Department of Chemistry	CHEM6118	Advanced Chemical Instrumentation	3
	CHEM6119	Frontiers in Chemical Biology	3
	CHEM6121	Academic and Industrial Research, Development and Innovation	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
	PHY8251	Advanced Quantum Mechanics	3
	PHY8253	Introduction to Biophysics	3

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	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
	PHY8526	Energy Materials: Physics and Applications	3
<b><u>Jockey Club College of Veterinary Medicine and Life Sciences</u></b>			
Department of Biomedical Sciences	BMS5002	Infectious Disease Management	3
<b><u>School of Creative Media</u></b>			
	SM5347	Topics in Media Worliding	3
	SM5313	Interactive Media II	3
	SM5316	Topics in Media Art I	3
	SM5318	Topics in Media History and Theory I	3
	SM5325	Introduction to Media and Cultural Studies	3
	SM5345	Introduction to Digital Processes: From Creative Computation to Fabrication	3
	SM6333	World-Building in Digital Narrative Media	3
<b><u>School of Data Science</u></b>			
	SDSC8003	Machine Learning <sup>note 4</sup>	3
	SDSC8004	Advanced Statistics <sup>note 4</sup>	3
	SDSC8005	Optimization <sup>note 4</sup>	3
	SDSC8007	Deep Learning <sup>note 4</sup>	3

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<b><u>School of Energy and Environment</u></b>			
	SEE5212/ SEE8220	Environmental Pollution: Theories, Measurement and Mitigation	3
	SEE6101/ SEE8111	Energy Generation and Storage Systems	3
	SEE5202	Climate Change: Science, Adaptation and Mitigation	3
	SEE6118/ SEE8125	Emerging Energy Technologies	3
	SEE6201/ SEE8219	Environmental and Energy Policy	3
	SEE6224/ SEE8224	Environmental Engineering Science <small>note 5</small>	3
	SEE6225/ SEE8225	Environmental Assessment	3
	SEE6115	Carbon Audit and Management	3

note 1: Registration for postgraduate courses will be scrutinized case by case. Normally, exchange/visiting students with less than 3 years of university education are not encouraged to select P5 and P6 courses

note 2: Subject to pre-requisite requirements

note 3: Subject to approval by the University

note 4: Registration requires endorsement from the course leaders

note 5: The course title is revised from 'Environmental Chemistry and Physics' w.e.f. Sem A 2023/24