

The Hong Kong Polytechnic University
Subjects to be Offered for Subject-based Students in Semester 1 of 2021/22

	Subject Code	Subject Title	Group No.	No. of Credits	Fees per Credit
Department of Applied Mathematics					
1	AMA502	Operations Research Methods	1999	3	HK\$6,000
2	AMA505	Optimization Methods	1999	3	HK\$6,000
3	AMA515A	Forecasting and Applied Time Series Analysis	1999	3	HK\$6,000
4	AMA524	Scientific Computing	1999	3	HK\$6,000
5	AMA528	Probability and Stochastic Models	1999	3	HK\$6,000
6	AMA530	Mathematics of Finance	1999	3	HK\$6,000
7	AMA531	Loss Models and Risk Analysis	1999	3	HK\$6,000
8	AMA534	Credibility Theory	1999	3	HK\$6,000
9	AMA535	Mathematics of Derivative Pricing	1999	3	HK\$6,000
10	AMA541	Simulation and Risk Analysis	1999	3	HK\$6,000
11	AMA546	Statistical Data Mining	1999	3	HK\$6,000
Department of Biomedical Engineering					
12	BME5115	Applied Biosignal Processing	104	3	HK\$4,100
13	BME5124	Biomaterials and Tissue Engineering	104	3	HK\$4,100
14	BME5127	Nanobiotechnology	104	3	HK\$4,100
Department of Civil and Environmental Engineering					
15	CSE508	Environmental Impact Assessment	1011	3	HK\$5,300
16	CSE509	Quantitative Techniques in Construction Planning	1011	3	HK\$5,300
17	CSE513	Tall Building Structures	1011	3	HK\$5,300
18	CSE516	Urban Transport Planning - Theory and Practice	1011	3	HK\$5,300
19	CSE518	Water & Wastewater Treatment	1011	3	HK\$5,300
20	CSE520	Solid and Hazardous Waste Management	1011	3	HK\$5,300
21	CSE525	Noise Pollution Control	1011	3	HK\$5,300
22	CSE529	Seismic Design of Building Structures	1011	3	HK\$5,300
23	CSE539	Environmental Management Systems and Audit	1011	3	HK\$5,300
24	CSE544	Sustainable Development and Environmental Planning	1011	3	HK\$5,300
25	CSE560	Indoor Air Quality Management	1011	3	HK\$5,300
26	CSE565	Construction Technology	1011	3	HK\$5,300
27	CSE566	Statutory Framework for Construction Practice	1011	3	HK\$5,300
28	CSE577	Advanced Structural Design	1011	3	HK\$5,300

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Department of Electronic and Information Engineering					
29	EIE529	Digital Image Processing	101	3	HK\$4,100
30	EIE553	Security in Data Communication	101	3	HK\$4,100
31	EIE557	Computational Intelligence and its Applications	101	3	HK\$4,100
32	EIE568	IoT - Tools and Applications	101	3	HK\$4,100
33	EIE575	Vehicular Communications and Inter-Networking Technologies	101	3	HK\$4,100
34	EIE579	Advanced Telecommunication Systems	101	3	HK\$4,100
35	EIE587	Channel Coding	101	3	HK\$4,100
Department of Health Technology and Informatics					
36	HTI5005	Ethical Issues in Medicine and Research	102	1	HK\$4,900
37	HTI5701	Multiplanar Anatomy	104	3	HK\$4,900
Department of Land Surveying & Geo-Informatics					
38	LSGI521	Principles of GIS	101	3	HK\$5,300
39	LSGI522	Spatial Data Acquisition	101	3	HK\$5,300
40	LSGI532	Spatial Data Visualization and Modeling	101	3	HK\$5,300
41	LSGI533	Satellite Positioning & Navigation	101	3	HK\$5,300
Department of Rehabilitation Sciences					
42	RS517	Research Methods & Data Analysis	1999	3	HK\$5,000
School of Nursing					
43	SN5181	Quality Management of Health Care Services	101	3	HK\$3,600

For details and the timetable of the subjects offered, please click [here](#).

You may refer to the following steps to perform the Subject Search:

1. select the appropriate semester
2. search subject(s) by Subject (e.g. Subject Level, Category) or by Programme
3. click “Synopsis” for the subject syllabus (if available)
4. click “View” of Class Timetable under “Subject Group Details” to check the timetable for the subject offered (if available)