

Details of courses offered in Semester 1, 2024/25

Faculty of Engineering The University of Hong Kong

Last update: July 19, 2024

Course Code	Course Title	Level (RPG/TPG)	Pre-requisites	Class Dates	Class Time	Venue	Course Syllabus URL	Contact Information (Name & Email)	Remarks (e.g. Please specify if the medium of instruction is NOT English)
CIVL8015	Special topic in environmental engineering A: Research and practice	RPG	A course in environmental science or environmental engineering	Sept 4 - Nov 27, 2024 (Wednesdays)	14:30 - 17:30	TBC	https://www.civil.hku.hk/civil_intranet/msc_course_descr.html	Ms. Candice Fong <fongwn@hku.hk>	Nil
CIVL8021	Selected advanced topics in soil mechanics	RPG	Nil	Sept 3 - Nov 26, 2024 (Tuesdays)	14:30 - 17:30	TBC	https://www.civil.hku.hk/civil_intranet/msc_course_descr.html	Ms. Candice Fong <fongwn@hku.hk>	Nil
CIVL8022	Structural health monitoring	RPG	Nil	Sept 5 - Nov 28, 2024 (Thursdays)	14:30 - 17:30	TBC	https://www.civil.hku.hk/civil_intranet/msc_course_descr.html	Ms. Candice Fong <fongwn@hku.hk>	Nil
COMP9102	Data Management and Information Retrieval	RPG	Nil	Sep 2 - Sep 23, 2024	TBC	TBC	TBC	Ms. Erica Lai laie@hku.hk	Nil
COMP9602	Convex Optimization	RPG	Linear algebra	Sep 2 - Nov 30, 2024 (Mon & Fri)	15:30 - 17:20 (Mon) 15:30 - 17:20 (Fri)	MWT4 (Mon), MWT3 (Fri)	TBC	Ms. Erica Lai laie@hku.hk	Nil
ELEC8505	Probability and Random Processes	RPG	Nil	Sep 6 - Nov 29, 2024 (Fridays)	9:30 - 12:20	TBC	https://elink.eee.hku.hk/p/ostgrad_course_outlines_2223.html	Miss Sonia Cheung sonia@eee.hku.hk	Nil
ELEC8204	Advanced robotics	RPG	Nil	Sep 5 - Nov 28, 2024 (Thursdays)	9:30 - 12:20	TBC	https://elink.eee.hku.hk/p/ostgrad_course_outlines_2223.html	Miss Sonia Cheung sonia@eee.hku.hk	Nil
ELEC8306	Optoelectronics and lightwave technology	RPG	Nil	Sep 5 - Nov 28, 2024 (Thursdays)	15:30 - 18:20	TBC	https://elink.eee.hku.hk/p/ostgrad_course_outlines_2223.html	Miss Sonia Cheung sonia@eee.hku.hk	Nil
ELEC8403	Advanced topics in power electronics and drives	RPG	Nil	Sep 2 - Nov 25, 2024 (Mondays)	9:30 - 12:20	TBC	https://elink.eee.hku.hk/p/ostgrad_course_outlines_2223.html	Miss Sonia Cheung sonia@eee.hku.hk	Nil

ELEC8504	Polynomial optimizations via linear matrix inequalities	RPG	Nil	Sep 2 - Nov 25, 2024 (Mondays)	14:30 - 17:20	TBC	https://elink.eee.hku.hk/p/ostgrad_course_outlines_2223.html	Miss Sonia Cheung sonia@eee.hku.hk	Nil
ELEC8004	Digital signal processing	RPG	Nil	Sep 4 - Nov 27, 2024 (Wednesdays)	19:00 - 21:50	TBC	https://elink.eee.hku.hk/p/ostgrad_course_outlines_2223.html	Miss Sonia Cheung sonia@eee.hku.hk	Nil
IMSE7001 (Full year)	Seminars	RPG	Nil	Sept 1, 2024-May 3, 2025	Nil	Nil	Nil	Prof. Ray Zhong zhongzry@hku.hk Dr. Wenjie Huang huangwj@hku.hk	Nil
IMSE7015 (Subclass A)	Engineering economics and finance	TPG	Nil	Sept 1, 2024-Nov 25, 2024 (Mondays)	19:00-22:00	TBC	https://www.imse.hku.hk/msc-eng/msc-eng/courses-and-timetables	Mr. Wilson Chow nosliwwohc@gmail.com	Nil
IMSE7015 (Subclass B)	Engineering economics and finance	TPG	Nil	Sept 1, 2024-Nov 27, 2024 (Wednesdays)	19:00-22:00	TBC	https://www.imse.hku.hk/msc-eng/msc-eng/courses-and-timetables	Mr. Wilson Chow nosliwwohc@gmail.com	Nil
IMSE7020 (Subclass A)	Supply Chain Management	TPG	Nil	Sept 1, 2024-Nov 26, 2024 (Tuesdays)	19:00-21:30	TBC	https://www.imse.hku.hk/msc-eng/msc-eng/courses-and-timetables	Dr. JWC Ng ngwc@hku.hk	Nil
IMSE7020 (Subclass B)	Supply chain management	TPG	Nil	Sept 1, 2024-Nov 29, 2024 (Fridays)	10:00-12:30	TBC	https://www.imse.hku.hk/msc-eng/msc-eng/courses-and-timetables	Dr. JWC Ng ngwc@hku.hk	Nil
IMSE7034 (subclass A)	Operational research	TPG	Nil	Sept 1, 2024-Nov 29, 2024 (Fridays)	19:00-22:00	TBC	https://www.imse.hku.hk/msc-eng/msc-eng/courses-and-timetables	Dr. JW Wang jwwang@hku.hk	Nil
IMSE7034 (subclass B)	Operational research	TPG	Nil	Sept 1, 2024-Nov 30, 2024 (Saturdays)	14:30-17:30	TBC	https://www.imse.hku.hk/msc-eng/msc-eng/courses-and-timetables	Dr. JW Wang jwwang@hku.hk	Nil
IMSE7138	Healthcare systems engineering	TPG	Nil	Sept 1, 2024-Nov 28, 2024 (Thursdays)	9:30-12:30	TBC	https://www.imse.hku.hk/msc-eng/msc-eng/courses-and-timetables	Prof. Calvin Or klor@hku.hk	Nil
IMSE7142	Computational methods for industrial engineering (new) (subject to approval)	TPG	Nil	Sept 1, 2024-Nov 26, 2024 (Tuesdays)	9:30-12:30	TBC	https://www.imse.hku.hk/msc-eng/msc-eng/courses-and-timetables	Prof. Yang Xu yxu195@hku.hk	Nil
IMSE7143	The internet of things (new) (subject to approval)	TPG	Nil	Sept 1, 2024-Nov 25, 2024 (Mondays)	9:30-12:30	TBC	https://www.imse.hku.hk/msc-eng/msc-eng/courses-and-timetables	Prof. Shiyang Hu shiyanghu@hku.hk	Nil

IMSE7111	Data-driven optimization	TPG	Nil	Sept 1, 2024-Nov 29, 2024 (Fridays)	15:30-18:30	TBC	https://www.imse.hku.hk/msc-eng/msc-eng/courses-and-timetables	Dr. JW Wang jwwang@hku.hk	Nil
IMSE7119	Digital enterprises and e-commerce	TPG	Nil	Sept 1, 2024-Nov 27, 2024 (Wednesdays)	13:30-16:30	HW1-3	https://www.imse.hku.hk/msc-eng/msc-eng/courses-and-timetables	Dr. SH Choi shchoi@hku.hk	Nil
IMSE7139	Cyber-physical systems	TPG	Nil	Sept 1, 2024-Nov 27, 2024 (Wednesdays)	19:00-22:00	TBC	https://www.imse.hku.hk/msc-eng/msc-eng/courses-and-timetables	Prof. Ni Xing xining@hku.hk Dr JC Chen jcchen@hku.hk	Nil
IMSE7140	Machine learning and applications	TPG	Nil	Sept 1, 2024-Nov 30, 2024 (Saturdays)	10:00-13:00	TBC	https://www.imse.hku.hk/msc-eng/msc-eng/courses-and-timetables	Dr SJ Qin stanqin@gmail.com	Nil
IMSE7150	Frontiers in industrial engineering and logistics management A	TPG	Nil	Sept 1, 2024-Nov 28, 2024 (Thursdays)	19:00-22:00	TBC	https://www.imse.hku.hk/msc-eng/msc-eng/courses-and-timetables	Prof. HP Chen hepingc@hku.hk	Nil
IMSE7152	Frontiers in industrial engineering and logistics management C	TPG	Nil	Sept 1, 2024-Nov 30, 2024 (Saturdays)	10:00-13:00	TBC	https://www.imse.hku.hk/msc-eng/msc-eng/courses-and-timetables	Mr N Xu xunuo@hku.hk	Nil
IMSE7222	Global logistics and transportation systems	TPG	Nil	Sept 1, 2024-Nov 28, 2024 (Thursdays)	14:30-17:30	TBC	https://www.imse.hku.hk/msc-eng/msc-eng/courses-and-timetables	Prof. Fangni Zhang fnzhang@hku.hk	Nil
IMSE7310	Financial Engineering	TPG	Nil	Sept 1, 2024-Nov 25, 2024 (Mondays)	19:00-22:00	TBC	https://www.imse.hku.hk/msc-eng/msc-eng/courses-and-timetables	Prof. PC Chen pcchen@hku.hk	Nil
IMSE7902	Project management	TPG	Nil	Sept 1, 2024-Nov 29, 2024 (Fridays)	19:00-22:00	TBC	https://www.imse.hku.hk/msc-eng/msc-eng/courses-and-timetables	Mr. Bill Chan billchan@hku.hk	Nil
MECH6034	Computer-aided product development (CAPD)	TPG	Nil	Sep 2 - Nov 30, 2024 (Wednesdays)	15:30 - 18:00	TBC	https://www.mech.hku.hk/tpg	Ms. Meimei Lam (mmlam@hku.hk)	Nil
MECH7014	Railway Engineering – Metro and High- Speed Rail	TPG	Nil	Sep 2 - Nov 30, 2024 (Saturdays)	14:30 - 17:00	TBC	https://www.mech.hku.hk/tpg	Ms. Meimei Lam (mmlam@hku.hk)	Nil
MECH7010	Contemporary robotics	TPG	Nil	Sep 2 - Nov 30, 2024 (Fridays)	15:30 - 18:00	TBC	https://www.mech.hku.hk/tpg	Ms. Meimei Lam (mmlam@hku.hk)	Nil
MECH6045	Nanotechnology: fundamentals and applications	TPG	Nil	Sep 2 - Nov 30, 2024 (Mondays)	19:00 - 21:30	TBC	https://www.mech.hku.hk/tpg	Ms. Meimei Lam (mmlam@hku.hk)	Nil
MECH6017	Noise and vibration	TPG	Nil	Sep 2 - Nov 30, 2024 (Tuesdays)	19:00 - 21:30	TBC	https://www.mech.hku.hk/tpg	Ms. Meimei Lam (mmlam@hku.hk)	Nil

MECH6026	Computational fluid dynamics	TPG	Nil	Sep 2 - Nov 30, 2024 (Wednesdays)	19:00 - 21:30	TBC	https://www.mech.hku.hk/tpg	Ms. Meimei Lam (mmlam@hku.hk)	Nil
MECH6019	Sources and control of Air pollution	TPG	Nil	Sep 2 - Nov 30, 2024 (Thursdays)	19:00 - 21:30	TBC	https://www.mech.hku.hk/tpg	Ms. Meimei Lam (mmlam@hku.hk)	Nil
MECH6046	Microsystems for energy, biomedical and consumer electronics applications	TPG	Nil	Sep 2 - Nov 30, 2024 (Fridays)	19:00 - 21:30	TBC	https://www.mech.hku.hk/tpg	Ms. Meimei Lam (mmlam@hku.hk)	Nil
MECH6010	Service behaviour of materials	TPG	Nil	Sep 2 - Nov 30, 2024 (Mondays)	19:00 - 21:30	TBC	https://www.mech.hku.hk/tpg	Ms. Meimei Lam (mmlam@hku.hk)	Nil
MECH7004	Advanced topics in solids mechanics research	RPG	Nil	Sep 2 - Nov 30, 2024 (Tuesdays and Fridays)	Tue: 12:30-13:20 Fri: 12:30 - 14:20	TBC	https://www.mech.hku.hk/rpg	Ms. Meimei Lam (mmlam@hku.hk)	Nil