HKUST Egnineering Courses offered in Spring 2024-25

Code	*Title*	*Remarks*
BIEN5010	Molecular Biology for Bioengineering	
BIEN5070	Synthetic Biology	
BIEN5820	Microfluidics and Biosensors	
CENG5210	Advanced Separation Processes	
CENG5240	Deep Learning for Chemical and Biological Engineering	
CENG5300	Advanced Chemical Engineering Thermodynamics	
CENG6000Q	Advanced Membrane Technology for Water and Energy Nexus	
CENG6000R	Introduction to molecular dynamics simulations	
CENG6000S	Plastic electronic and their application	
CIVL5110	Engineering Risk, Reliability and Decision	
CIVL5230	Finance and Operations in Civil Engineering	
CIVL5390	Finite Element Methods	
CIVL5460	Landfill Engineering and Design	
CIVL5550	Modeling Fluid Systems	
CIVL5640	Discrete Choice Experiments and Data Analysis	
CIVL5730	Theoretical and Computational Soil Mechanics	
ELEC5050	Advanced CMOS Devices	
ELEC5080	Integrated-Circuit Fabrication Laboratory	
ELEC5140	Advanced Computer Architecture	
ELEC5160	Digital VLSI System Design and Design Automation	
ELEC5240	Advanced Display Technologies	
ELEC5460	Stochastic Optimization for Wireless Systems and Federated-Learning	
ELEC5650	Introduction to Networked Sensing, Estimation and Control	
ELEC5660	Introduction to Aerial Robotics	
ELEC5680	Advanced Deep Learning Architectures	
ELEC5810	Introduction to Bioinformatics Algorithms	
ELEC5820	Microfluidics and Biosensors	
ELEC5900	Modern Engineering Research Methodologies	
ELEC6910D	Electronic Design Automation for VLSI Design	
ELEC6910I	Internet Video Streaming	
ELEC6910J	Deep Reinforcement Learning	
ELEC6910Z	Modern Solid State Devices	
IEDA5170	Production and Operations Management	
IEDA5250	Stochastic Models in Operations Research	
MECH5230	Computational Fluid Dynamics & Heat Transfer	
MECH5280	Transport Phenomena and Its Applications in Energy Systems	
MECH5320	Convective Heat and Mass Transfer	
MECH5980	Processes in Manufacturing Systems	
MECH6910U	Sustainable Engineering and Energy	

Last updated: 06 Jan 2025