

Graduate Course Listings for Fall 2023, Winter 2024, and Summer 2024

COURSE	DESCRIPTION	TERM	INSTRUCTOR
ENG PHYS 6B03	Biosensors - Fundamentals and Applications	Winter 2024	N. Hildebrandt
ENG PHYS 6D04	Nuclear Reactor Physics	Fall 2023	B. Rouben
ENG PHYS 6I03	Introduction to Biophotonics	Winter 2024	J. Hayward
ENG PHYS 6MD3	Nanoscale Semiconductor Devices	Winter 2024	A. Kitai
ENG PHYS 6NE3	Advanced Nuclear Engineering	Winter 2024	S. Nagasaki
ENG PHYS 6P03	Nuclear Power Plant Systems and Operation	Winter 2024	B. Rouben
ENG PHYS 6PP3	Plasma Physics Applications	Fall 2023	A. Buijs
ENG PHYS 6QC3	Introduction to Quantum Computing	Fall 2023	R. Lewis
ENG PHYS 6S04	Lasers and Electro-Optics	Winter 2024	C. Xu
ENG PHYS 6Z04	Semiconductor Manufacturing Technology	Fall 2023	G. Kolhatkar
ENG PHYS 702	Graduate Seminars	Fall 2023 & Winter 2024	G. Kolhatkar
ENG PHYS 707*	Nuclear Fuel Cycle Waste Management	Fall 2023	S. Nagasaki
ENG PHYS 718*	Reactor Heat Transport System Simulation and Analysis	Winter 2024	N. Popov
ENG PHYS 723*	Semiconductor Diode Laser Physics	Winter 2024	TBA
ENG PHYS 724 / MATLS 724	Materials Characterization	Fall 2023	N. Bassim
ENG PHYS 725 / MATLS 725	Transmission Electron Microscopy	Winter 2024	M. Lagos
ENG PHYS 729*	Thin Film Growth and Deposition	Winter 2024	R. Lewis
ENG PHYS 733	Research Project for MEng Students	All Terms	Various
ENG PHYS 740 / ECE 740	Semiconductor Device Theory and Modeling	Fall 2023	J. Deen
ENG PHYS 752 / MECH ENG 752	Advanced MEMS Fabrication and Microfluidics	Winter 2024	R. Selvaganapathy
ENG PHYS 782 / MATLS 782*	Solid-State Electronics	Fall 2023	P. Mascher
ENG PHYS 784*	Nuclear Fuel Management	Fall 2023	B. Rouben

*Offering subject to sufficient student enrolment

If you have any questions, please contact Samantha Leung (leungs41@mcmaster.ca)