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MEMORIAL UNIVERSITY

Faculty of Engineering and Applied Science

Per Course Instructors

The Faculty of Engineering invites applications from individuals interested in teaching the following graduate and undergraduate courses in the Fall 2022.

Subject to budgetary restrictions and sufficient enrolments, appointments will be made on a course by course basis and will not entail any obligation to conduct research or to perform any administrative service for Memorial University. Appointments will be made in accordance with the provisions in the MUN-LUMUN Collective Agreement. Course design and evaluation methods for all courses will be in accordance with the Faculty regulations and the Memorial University Calendar.

Course Number	Course Title	Course Schedule	Qualifications	Number of Sections	Campus
CIV 3210	Earth Sciences for Civil Engineering	3 lecture hours per week plus labs	Ph.D. degree in science/engineering with knowledge and experience in earth sciences for Civil Engineering. Past teaching experience in the area is preferred.	1 section and labs (1.27 credits course)	St. John's
CIV 6810	Construction Planning Equipment & Methods	3 lecture hours per week	Master's/Ph.D. degree in Civil Engineering. Construction industry experience is preferred.	1 section (1.0 credit course)	St. John's
ECE-3400	Foundations of Programming	3 lecture hours per week plus labs and tutorial	Master's degree in Electrical and Computer Engineering, Computer Science, or equivalent experience with object-oriented programming and knowledge and programming skills in C++ or Java. Past teaching experience and P.Eng. will be given higher priority.	1 section (1.20 credit course),	St. John's
ECE 6500	Computer Architecture	3 lecture hours per week plus tutorial	Ph.D. degree in Electrical and Computer Engineering or a related discipline or equivalent experience with expertise in computer architecture, microprocessors, digital system design and computer organization. Must have past experience in content design and development of the computer architecture course, and must have extensive past experience in teaching digital hardware stream of courses, and teaching experience in operating systems and concurrent programming. P.Eng. will be given higher priority.	1 section (1.14 credit course)	St. John's

Course Number	Course Title	Course Schedule	Qualifications	Number of Sections	Campus
ME3101	Chemistry and Physics of Engineering Materials I	3 lecture hrs/wk, and Lab	MEng Mechanical in Engineering or related, PhD preferred. P.Eng desirable	1 Section (1.23 course credit)	St. John's
ME3102	Production Technology	3 lecture hrs/wk, Lab and Tutorial	MEng Mechanical in Engineering or related, PhD preferred. P.Eng desirable	1 Section (1.18 course credit)	St. John's
ME6702	Mechanical Vibrations	3 lecture hrs/wk, Lab and Tutorial	MEng Mechanical in Engineering or related, PhD preferred. P.Eng desirable	1 Section (1.18 course credit)	St. John's
PROC 6025	Process Simulation	Co-teaching 3 hrs/ lecture hours and a lab per week	Masters or PhD in Chemical or Process Engineering or relevant area. Past teaching experience of Process Simulation course. Research experience in the area is an asset. Proficient in HYSYS	.5 section (0.6125 credit course)	St. John's
PROC 7171/ ENGI 9115	Safety and Risk Engineering	3 hrs/ week	PhD in Chemical or Process Engineering or relevant area. Past teaching experience. Research experience in the area is an asset.	1 (1 course credit)	St. John's
ENGI 1020	Introduction to Programming	3 lecture hours per week	Master's degree in engineering or equivalent experience, with background teaching Python programming; expertise in interfacing sensors and programming environments via hardware such as Arduino. Experience in education of early-year post-secondary students, and interest in engineering pedagogy.	Up to 3 sections, (1.0-1.3 credit course depending on enrollment)	St. John's
ENGI 4102	Engineering Economics	3 hours per week	A degree in Engineering with background in engineering economics and project management. P.Eng.	1 section (1 credit course)	St. John's
ENGI 9100	Graduate Seminar	1 hour/ week	M.Eng. preferably PhD. Previous experience in facilitating the graduate seminar will be an asset.	1/3 section	St. John's

ENGI 9155	Technical Writing for Graduate Engineers	TBD	A minimum of bachelor's degree in education, linguistics, or related field. A diploma, certificate or degree with a practicum component in teaching English as a second language (TESL) from a recognized university. At least 5 years teaching English as a second language at the university level. Experience teaching writing in English for Academic Purposes and Special Purposes (programs, particularly in the field of engineering).	2 sections (1 credit course)	On-campus teaching St. John's
ENGI 9411	Probabilistic Methods In Engineering	TBD	PhD in Civil, Mechanical, Chemical or Process Engineering. Previous experience in teaching this course.	1 section (1 credit course)	On-campus teaching St. John's
ENGI9420	Engineering Analysis	3 lecture hrs/wk	MEng Mechanical in Engineering or related, PhD preferred. P.Eng desirable	1 Section	St. John's
ENGI 9601	Environmental Pollution and Mitigation	3 lecture hours per week	Ph.D. degree in Civil or Environmental Engineering with background and experience in the field.	1 section (1 credit course)	St. John's
ENGI 9625	Environmental Impacts of Offshore Oil & Gas Operations	3 lecture hours per week	Ph.D. degree in Civil or Environmental Engineering with background and experience in the field.	1 section (1 credit course)	St. John's
ENGI 9627	Environmental Systems Engineering	3 lecture hours per week	Ph.D. degree in Civil or Environmental Engineering with background and experience in the field.	1 section (1 credit course)	St. John's
ENGI 9861	High Performance Computer Architecture	3 lecture hours per week l	Ph.D. degree (obtained or pending) in Electrical and Computer Engineering or a related discipline or equivalent experience with expertise in computer architecture, microprocessors, digital system design and computer organization. Past teaching experience and knowledge in operating systems, concurrent programming, and past course content design experience and P.Eng. will be given higher priority	1 section (1.credit course)	St. John's
ENGI 9872	High Performance Computer Architecture	(3 lecture hours per week	Ph.D. degree (obtained or pending) in Electrical and Computer Engineering, Communications Engineering or a related discipline or equivalent experience with expertise in digital communications, communication theory, and wireless and mobile communications. Telecommunications industrial experience, past teaching experience and P.Eng. will be given higher priority.	1 credit course	St. John's

Please visit https://www.mun.ca/engineering/ for program and course information description.

To apply for this position:
Please submit a letter of application, curriculum vitae and the names of referees, electronically or in writing to:

Dean
Faculty of Engineering and Applied Science
Tel: (709) 864-8810
Memorial University of Newfoundland
St. John's, NL, A1B 3X8
Email: dean.engineering@mun.ca

Salary: As per the MUN-LUMUN Collective Agreement

Closing Date: Tuesday, July 19, 2022

Memorial University is committed to employment equity and diversity and encourages applications from all qualified candidates, including women; people of any sexual orientation, gender identity, or gender expression; Indigenous peoples; visible minorities, and racialized people; and people with disabilities.