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MEMORIAL UNIVERSITY

Faculty of Engineering and Applied Science
Department of Ocean and Naval Architectural Engineering

Per-Course Appointment

The Ocean and Naval Architectural Engineering Department invites applications from individuals interested in teaching the following Probability and Random Processes in Ocean Engineering – ONAE5022 in the Winter 2027 semester.

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 Ocean and Naval Architectural Engineering regulations and the Memorial University Calendar.

Course Title: Probability and Random Processes in Ocean Engineering – ONAE5022 (course weight 1.14)

Course Schedule: Monday, Wednesday and Friday at 3:00 p.m. Tutorial Monday at 4:00 p.m.

Campus Location: St. John's, NL

Course Description: includes basic concepts in probability, random variables, multiple random variables, descriptive statistics. The random processes component reviews mathematics of functions; introduces system input-output relations of continuous-time systems; contrasts time vs frequency domain representations; introduces frequency response plots and the Fourier transform. A probabilistic approach to ship damage, representation of ocean waves (in time and frequency domains), Response Amplitude Operators (RAO), and acceptable levels of risk for design are introduced and applied. Tutorial will be 1 hour per week.

For further information regarding this course, please visit www.mun.ca\engineering\ona

Qualifications: Minimum requirements: A candidate shall have an earned PhD degree in Naval Architecture with extensive teaching experiences on ONAE courses. Fluent and effective English communication skills are essential. A demonstrated record on teaching this course is required.

To apply for this position:

Please submit a letter of application, curriculum vitae, the teaching plan for ONAE5022, and the names of referees, electronically or in writing to:

Dr. Bing Chen
Interim Dean
Faculty of Engineering and Applied Science
Tel: (709) 864-8810 Fax: (709) 864-8975
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: Friday, November 13, 2026

All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. Memorial University of Newfoundland is committed to employment equity and encourages applications from qualified women and men, visible minorities, aboriginal people and persons with disabilities.