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## **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 Resistance and Propulsion – ONAE4011 in the Spring 2026 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:** Resistance and Propulsion – ONAE4011 (course weight 1.41)

**Course Schedule:** Monday, Tuesday and Thursday's at 1:00 p.m. Lab Tuesday's 9:00 – 12:00 p.m. Tutorial Friday's at 1:00 p.m.

**Campus Location:** St. John's, NL

**Course Description:** Resistance and Propulsion examines the phenomena resisting the motions of ships and some factors considered in the design of the marine screw propeller. The topics include resistance due to friction, wave making, form appendage, wind and waves, squat, blockage, and shallow water effects, and also include the estimation of powering using methodical series and statistical methods. Topics considered in the design of the marine screw propeller include propeller theory, blade sections, blade strength, methodical series charts, efficiency elements, lifting line calculations, cavitation, and propellers in non-uniform flow. Lab will be 3 hours per week.

For further information regarding this course, please visit [www.mun.ca/engineering/ona](http://www.mun.ca/engineering/ona)

**Qualifications:** Minimum requirements: A candidate shall have an earned M.Eng. degree in Naval Architecture with teaching and lab instruction experiences in resistance and propulsion and related ONAE courses. Fluent and effective English communication skills are essential.

To apply for this position:

Please submit a letter of application, curriculum vitae, the teaching plan for ENGI4011, 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 3X5  
Email: [dean.engineering@mun.ca](mailto:dean.engineering@mun.ca)

**Salary:** As per the MUN-LUMUN Collective Agreement

**Closing Date:** March 16, 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.*