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Faculty of Engineering and Applied Science
Department of Mechanical and Mechatronics Engineering
Per-Course Appointment

The Department of Mechanical and Mechatronics Engineering invites applications from individuals interested in teaching the following ME 3101 Chemistry and Physics of Engineering Materials I in the Fall 2024.

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 Department of Mechanical and Mechatronics Engineering regulations and the Memorial University Calendar.

Course Title: ME 3101 Chemistry and Physics of Engineering Materials I

Course Schedule: One Section, 3 lecture hours/week, 1 Tutorial hour/week and 4 three-hour labs per semester.

Campus Location: St. John's

Course Description: ME 3101 Chemistry and Physics of Engineering Materials I is an introduction to the structure and properties of engineering materials, in particular materials, semiconductors, ceramics, glasses and polymers. Topics include a review of atomic bonding, discussion of basic crystalline and amorphous structures, point and line defects, and the role these structural features play in elastic and plastic deformations, yield, fracture, glass transition, thermal conductivity, thermal expansion, specific heat and electrical conductivity.

For further information regarding this course please visit <https://www.mun.ca/engineering/mech/>

Qualifications: Undergraduate Degree in Mechanical Engineering with Materials background, and a Masters level postgraduate degree. Experience in teaching will be an added qualification. Candidates who are registered with a Professional Engineers Association in Canada (e.g. PEG_NL) will be given priority.

To apply for this position:

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

Dr. Octavia Dobre
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

Salary: As per the MUN-LUMUN Collective Agreement

Closing Date: July 18, 2024

All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.