



Mechanical Automotive and Materials Engineering

401 Sunset Avenue
Windsor, Ontario, Canada N9B 3P4
T 519 253 3000 (2616/2596) F 519 973 7007
www.uwindsor.ca/mame

MAME SESSIONAL APPOINTMENTS – WINTER 2019

In accordance with section 54:07 of the 2017-2021 Collective Agreement the Windsor University Faculty Association (WUFA), Department of Mechanical Automotive and Materials Engineering invites applications from qualified individuals interested in teaching the following course(s), subject to final budgetary approval, course enrollment and appointment of new full-time faculty.

Applicants are required to review University of Windsor Senate Bylaw 51 (Academic Evaluation Procedures) and Article 5:23 to 5:25 of the Collective Agreement with WUFA. Full documentation is available online by visiting the University of Windsor website (www.uwindsor.ca).

Computer Aided Design – INDE 8160 / MECH 8290 (Section #1)

This course will focus on computer-aided methods and applications. The lectures present basic and generic principles and tools, supplemented with significant hands-on practice and engineering applications. Various topics are studied and practiced using CAD/CAE software, such as engineering design and the role of CAD, geometric modelling systems, representation of curves and surfaces, surface modelling, solid modelling and applications, parametric representations, assembly modelling, computer-aided engineering (CAE) and applications, distributed collaborative design, and digital mock-up. A Ph.D. degree in Industrial / Mechanical Engineering is preferred. Previous experience in teaching in/or related to Computer Aided Design is required. This course will be presented in 3 lecture hours per week on Tuesdays from 6:30pm – 9:20pm. Applicants must be available to teach during the scheduled lecture times as they are not flexible).

Computer Aided Design – INDE 8160 / MECH 8290 (Section #2)

This course will focus on computer-aided methods and applications. The lectures present basic and generic principles and tools, supplemented with significant hands-on practice and engineering applications. Various topics are studied and practiced using CAD/CAE software, such as engineering design and the role of CAD, geometric modelling systems, representation of curves and surfaces, surface modelling, solid modelling and applications, parametric representations, assembly modelling, computer-aided engineering (CAE) and applications, distributed collaborative design, and digital mock-up. A Ph.D. degree in Industrial / Mechanical Engineering is preferred. Previous experience in teaching in/or related to Computer Aided Design is required. This course will be presented in 3 lecture hours per week on Mondays from 4:30pm – 7:20pm. Applicants must be available to teach during the scheduled lecture times as they are not flexible).

Computer Aided Design – MECH 8290 (Section #3)

This course will focus on computer-aided methods and applications. The lectures present basic and generic principles and tools, supplemented with significant hands-on practice and engineering applications. Various topics are studied and practiced using CAD/CAE software, such as engineering design and the role of CAD, geometric modelling systems, representation of curves and surfaces, surface modelling, solid modelling and applications, parametric representations, assembly modelling, computer-aided engineering (CAE) and applications, distributed collaborative design, and digital mock-up. A Ph.D. degree in Industrial / Mechanical Engineering is preferred. Previous experience in teaching in/or related to Computer Aided Design is required. This course will be presented in 3 lecture hours per week on Mondays from 1:30pm – 4:20pm. Applicants must be available to teach during the scheduled lecture times as they are not flexible).

Treatment of Experimental Data GENG 2220 (Section #1)

Treatment of engineering data using the concepts of frequency distribution; measures of central tendency and dispersion. Probability; random variables; discrete and continuous distributions. Tests of hypotheses; estimation; goodness-of-fit test; linear regression and correlation. Applications using computers in engineering design problems, quality control, and manufacturing processes. This course will be presented in 3 lecture hours per week and 1 lab hour per week. Lectures will be held on Monday, Wednesday and Friday from 11:30am – 12:20pm and the lab will be held on Fridays from 9:30am – 10:20am. Applicants must be available to teach during the scheduled lecture and lab times as they are not flexible.

Treatment of Experimental Data GENG 2220 (Section #2)

Treatment of engineering data using the concepts of frequency distribution; measures of central tendency and dispersion. Probability; random variables; discrete and continuous distributions. Tests of hypotheses; estimation; goodness-of-fit test; linear regression and correlation. Applications using computers in engineering design problems, quality control, and manufacturing processes. This course will be presented in 3 lecture hours per week and 1 lab hour per week. Lectures will be held on Monday, Wednesday and Friday from 4:30pm – 5:20pm and the lab will be held on Fridays from 8:30am – 9:20am. Applicants must be available to teach during the scheduled lecture and lab times as they are not flexible.



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With the exception of exemptions identified under Section 54:08 (a) of the WUFA Collective Agreement, all applicants are required to submit official teaching evaluations (SET scores) or equivalent of all courses they have taught along with an updated CV. **Applicants who have not taught previously in the Department will be asked to complete an application form and will be required to submit a C.V. with three (3) letters of reference and teaching evaluations to:**

Dr. Bruce Minaker, Acting Department Head
Department of Mechanical, Automotive & Materials Engineering, Faculty of Engineering
University of Windsor, Windsor, Ontario, N9B 3P4
mameng@uwindsor.ca

Closing date for complete application submission is: Thursday December 13, 2018 at 12:00pm (noon)

The University of Windsor is committed to employment equity and welcomes applications from Aboriginal Peoples, persons with disabilities and members of visible minorities. Applications from women are particularly encouraged. Applicants who wish to be considered for the privilege of Employment Equity need to self-identify as a member of the targeted groups. In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents of Canada.

Dr. B. Minaker, Acting Department Head
Mechanical, Automotive & Materials Engineering

For additional information, please contact the Department of Mechanical, Automotive & Materials Engineering at 519-253-3000, ext. 2596.

Distribution:

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Date of Issue: November 29, 2018