SAMPLE COURSE OUTLINE

Course Code, Number, and Title:

MATH 2365: Mathematical Modelling

Course Format:
[Course format may vary by instructor. The typical course format would be:]

Lecture 4.0 h + Seminar 0.0 h + Lab. 2.0 h

Credits: 3.0   **Transfer Credit:** For information, visit bctransferguide.ca

Course Description, Prerequisites, Corequisites:

In this course, students will be exposed to a survey of mathematical techniques used to model real world problems. Topics include finite difference equations, applications of calculus and optimization, discrete-time dynamical systems, differential equations, and Monte Carlo simulations. Examples will be drawn from several areas including biology, economicas, medicine, physics, and chemistry. The students will make use of Computer Algebra Systems such as MATLAB, MAPLE, or high-level programming languages to implement models and to run simulations.

Prerequisite(s): A minimum "C-" grade in one of the following: MATH 1271, 1273, 1274, or 1275; and MATH 1252 or 2362 (MATH 1252 or 2362 may be taken concurrently). Prerequisites are valid for only three years.

Learning Outcomes:

Upon successful completion of this course, students will be able to…

Information unavailable, please consult Department for details.

Instructor(s): TBA
Office: TBA   **Phone: (604) 323-XXXX**
Office Hours: TBA   **Email: TBA**

Textbook and Course Materials:
[Textbook selection may vary by instructor. An example of texts and course materials for this course might be:]

For textbook information, visit https://mycampusstore.langara.bc.ca/buy_courselisting.asp?selTerm=3|8

Note: *This course may use an electronic (online) instructional resource that is located outside of Canada for mandatory graded class work. You may be required to enter personal information, such as your name and email address, to log in to this resource. This means that your personal information could be stored on servers located outside of Canada and may be accessed by U.S. authorities, subject to federal laws.*

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Where possible, you may log in with an email pseudonym as long as you provide the pseudonym to me so I can identify you when reviewing your class work.

Assessments and Weighting:
Final Exam
Other Assessments
[An example of other assessments might be:]

Information unavailable, please consult Department for details.

Grading System:
Specific grading schemes will be detailed in each course section outline.

Information unavailable, please consult Department for details.

Topics Covered:
[Topics covered may vary by instructor. An example of topics covered might be:]

Information unavailable, please consult Department for details.

As a student at Langara, you are responsible for familiarizing yourself and complying with the following policies:

College Policies:

E1003 - Student Code of Conduct
F1004 - Code of Academic Conduct
E2008 - Academic Standing - Academic Probation and Academic Suspension
E2006 - Appeal of Final Grade
F1002 - Concerns about Instruction
E2011 - Withdrawal from Courses

Departmental/Course Policies:

Information unavailable, please consult Department for details.

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