Douglas College

CURRICULUM GUIDELINES

A: Division: **Instruction**

B: Department/ Program Area: **Commerce & Business Admin. Business**

Date: **October 1999**

New Course [ ] Revision [X]

If Revision, Section(s) Revised: **Q**

Date Last Revised: **June 1983**

C: **ECON 412** **D:** **Introduction to Model Building in Economics and Commerce** **E:** **3**

Subject & Course No. | Descriptive Title | Semester Credits

F: Calendar Description: This course will involve the student in the task of forming explicit quantitative models as they are sued in economics and commerce. Quantification and types and sources of data available to economics and commerce students are considered. Emphasis is on the development of the skills needed in empirical model building.

G: Allocation of Contact Hours to Types of Instruction/Learning Settings

Primary Methods of Instructional Delivery and/or Learning Settings:

Lectures and seminars.

Number of Contact Hours: (per week / semester for each descriptor)

Lectures: 3 Hrs.
Seminar: 1 Hr.
Total: 4 Hrs.

Number of Weeks per Semester:

15 Weeks X 4 Hrs. Per Week = 60 Hrs.

H: Course Prerequisites:
(Math 12 or Math 102) and ECON 150 and ECON 250

I. Course Corequisites:

Nil

J. Course for which this Course is a Prerequisite:

Nil

K. Maximum Class Size:

35

L: PLEASE INDICATE:

[ ] Non-Credit

[ ] College Credit Non-Transfer

[X] College Credit Transfer: Requested [ ] Granted [X]

SEE BC TRANSFER GUIDE FOR TRANSFER DETAILS (www.bccat.bc.ca)

M: Course Objectives/Learning Outcomes

At the end of the course, the student will be able to:

1. demonstrate the ability to think analytically about human behaviour.
2. develop models relevant to economic analysis.
3. evaluate a model's implications and quantitatively confirm or refute the model's consequences.

N: Course Content

1. Properties of models
2. Nature of modelling processes.
3. Deductive logic and syllogisms.
4. Probability.
5. Source of data.
6. Data quality.
7. Decision trees and utility.
8. Indifference curve models.
9. Linear programming models
10. Exchange models.
11. Learning models.
12. Diffusion models.

O: Methods of Instruction

Lectures and a weekly seminar, which will be devoted to problems.

P:

Textbooks and Materials to be Purchased by Students

Love, Charles A., and James G. March, An Introduction to Models In the Social Sciences, Latest Edition, Harper and Row, New York,

Q: Means of Assessment

Final examination	30% - 40%
Mid-term examination	30% - 70%
Assignments (3 or more)	00% - 30%
Participation	00% - 15%
	100%

THERE WILL BE A MINIMUM OF THREE (3) EVALUATIONS.

R: Prior Learning Assessment and Recognition: specify whether course is open for PLAR

No.

Course Designer(s)

Rod Midgley

Education Council/Curriculum Committee Representative

Dean/Director

Jim Sator

Registrar

Trish Angus