

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY  
SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: STATISTICS  
Code No.: MTH 276-.4  
Program: BUSINESJ> (Accounting)  
Semester: FOUR  
Date: JUNE 2, 1983  
Author: W. MAKI & J. GLOWACKI

New:

Revision:

APPROVED:

  
Chairperson

A<sup>^</sup>j /??3  
Date

CALENDAR DESCRIPTION

Statistics  
Course Name

MTH 276-4  
Course Number

PHILOSOPHY/GOALS:

The 2nd semester deals primarily with inferential statistics and the first 2 or 3 topics should be treated thoroughly and with plenty of time. The topics of regression and correlation and non-parametric methods should have as many business applications as possible.

METHOD OF ASSESSMENT (GRADING METHOD):

Periodic tests and any unannounced surprise quizzes are suggested. A final exam and a comprehensive supplemental exam at semester end may be given at semester end at the discretion of the instructor and if department or college policy is appropriate.

TEXTBOOK(S):

Statistics for Management

R. Levin

COMPETENCY OBJECTIVE:

The basic objective is for the student to develop an understanding of the methods studied, knowledge of the facts presented and an ability to use these in the solution of problems. For the purpose exercises are assigned. Tests will reflect the sort of work contained in other assignments. The level of competency demanded is the level required to obtain an overall passing average on the tests. The material to be covered is listed on the following page(s).

STATISTICS

MTH 276-4

BUSINESS (ACCOUNTING)

<u>Number</u>	<u>Periods</u>	<u>Topic Description</u>	<u>Reference</u>
1	16	Hypothesis testing of means proportions, small & large samples (hypoth. testing of differences between means & proportions is optional & if time permits)	p. 329-379
2	14	Chi-square & analysis of variance testing appropriateness of a distribution (omit sect. 6 - inferences of 2 population variances)	p. 392-433
3	8	Simple regression & correlation confidence limits of estimates	p. 453-502
4	12	Non-parametric methods - Sign test, Mann-Whitney test, Run test, Rank Correlation test	p. 564-609
5	6	(If time permits) - Time Series & trend lines, cyclical variations seasonal variation	p. 610-655