SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: STATISTICS

Code No.: MTH 276-4

Program: BUSINESS (ACCOUNTING)

Semester: FOUR

Date: OCTOBER 15, 1985

Author: J. GLOWACKI

New: Revision:

APPROVED: Chairperson Date

CALENDAR DESCRIPTION

STATISTICS	MTH 276-4
COURSE NAME	COURSE NUMBER

PHILISOPHY/GOALS;

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

METHOD OF ASSESSMENT (GRADING METHOD);

Periodic tests and daily assignments based on material in course outline < be given during the semester. A final exam and a make-up test will be at discretion of the instructor.

The final mark will be based on four unit tests, each representing 25% of final mark.

Grading: A = 80-100%
B = 65-79%
C » 55-64%
I = 45-54%

A passing grade will be based on a minimum grading of 55%. Students obta a grading of 45-54% may be allowed to complete a supplementary examinatio: However, only students having satisfactory attendance records will be considered for the supplementary exam.

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 t in the solution of problems. For the purpose exercises are assigned. Te will reflect the sort of work contained in other assignments. The level competency demanded is the level required to obtain an overall passing av on the tests. The material to be covered is listed on the following page

STATISTICS

MTH 276-4

BUSINESS (ACCOUNTING)

NUMBER	PERIODS	TOPIC DESCRIPTION
	16	Hypothesis testing of means proportions, small & large samples (hypoth. testing of differences between means & proportions is optional & if time permits)
	14	Chi-square & analysis of variance testing appropriateness of a distribution (omit sect. 6 - inferences of two population variances)
	8	Simple regression & correlation confidence limits of estimates
	12	Non-parametric methods - Sign test, Mann-Whitney test, Run test, Rank Correlation test
		(If time permits) - Time Series & trend lines, cyclical variations seasonal variation