

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

COURSE OUTLINE

Course Title: STATISTICS
Code No.: MTH 655-4
Program: AVIATION
Semester: FOUR
Date: AUGUST, 1988
Author: J. MCGAULEY

New: Revision: X

APPROVED: 
Chairperson

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Date

CALENDAR DESCRIPTION

STATISTICS

MTH 655-4

Course Name

Course Number

PHILOSOPHY/GOALS:

This course will help the student to develop an understanding of statistical techniques and procedures, S/he would be able to carry out basic statistical tasks and better understand the use of statistics in industry and aviation.

METHOD OF ASSESSMENT (GRADING METHOD):

The student's final mark for this course will be based on the following:

Six topic tests	80%
Minitab exam	10%
Minitab assignments	10%

Grades reported on your transcript are based on a weighted average of test scores on the following basis:

A+	=	90	-	100%
A	=	80	-	89%
B	=	65	-	79%
C	=	55	-	64%
R or X	=	0	-	54%

The method of calculating a weighted average is described in your student handbook.

All tests are scheduled in advance. Hence/ attendance is mandatory. Unexcused absence from a test will result in a mark of zero for that test. A student may be prevented from attending a test by illness or bereavement. Upon return to classes, the student must see the instructor at the end of the first class attended to arrange a time and place for a make-up test. In addition, if the absence is due to illness, the student must present a note from the student's doctor or from the College nurse.

TEXTBOOK(S);

STATISTICS - CONCEPTS & APPLICATIONS, Anderson, Sweeney, Williams

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TOPIC	PERIODS	TOPIC DESCRIPTION	REFERENCE
		Introduction	pp. 1-9
		Descriptive Statistics tabular & graphical methods	pp. 15-47
		Measures of Location and Dispersion	pp. 59-89
		Introduction to Probability omit conditional Prob. & Bayes theorem (pp 163-166) & (pp 171-176)	pp. 138-1*/
		Random variables and Probability Distributions	pp. 188-21
		Norman Probability Distribution	pp. 216-24
		Sampling & Sampling Distributions	pp. 254-28
		Estimation & Hypothesis Testing of a Population Mean	pp. 294-3C 370-38
		Linear Regression & Correlation	pp. 508-54

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