DOC. 126

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:	JULY, 1987
Author:	W. 0. MAKI

New: Revision: X

APPROVED CteiX'pVr'^opr *i^4^7 /y-y'j-*

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 students will be assessed by regular tests- These tests are given usually after every two chapters, and may, at the instructor's discretion, include unannounced surprise tests on current work and/or a final test on the whole course. A letter grade will be based upon a student's weighted average of his test results. Each test is of equal value, except for a final exam which would be weighted more. See also the Mathematics Department's annual publication "To the Mathematics Student" which is presented to the students early in each academic year.

TEXTBOQK(S);

STATISTICS - CONCEPTS & APPLICATIONS, Anderson, Sweeney, Williams

TOPIC	PERIODS	TOPIC DESCRIPTION	REFERENCE
1	1	**Introduction**	pp. 1-9
2	**3**	**Descriptive Statistics** tabular & graphical methods	pp. 15-47
3	7	**Measures of Location and Dispertion**	pp. 59-89
4	**5**	**Analysis involving more than one variable**	pp. 100-12'
5	**8**	**Introduction to Probability** omit conditional Prob. & Bayes theorme (pp 163-166) & (pp 171-176)	pp. 138-17]
6	6	**Random variables and Probability Distributions**	pp. 188-21f
7	4	**Norman Probability Distribution**	pp. 216-24?
8	6	**Sampling & Sampling Distributions**	pp. 254-28(
9	8	**estimation of a Population Mean** hypothesis testing if time permits	pp. 294-30-
10	3	**Linear Regression & Correlation**	pp. 508-54;
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