

P104-85

COURSE OUTLINE CT 131 - FORTRAN PROGRAMMING

Textbooks: Fortran 77: A Structured, Disciplined Style, Davis, Gordon B. and Hoffmann, Thomas R., Second Edition. McGraw-Hill, 1983.

VAX-11 Fortran Language Reference Manual.

Evaluation: Assignments: 15%
Mid-Term Examination: 40%
Final Examination: 45%

Course Objectives: This course is designed to introduce the students to the Fortran 77 programming language. It is assumed that the student has some background in other programming languages and hence advanced features of the languages will be emphasized.

The course deals with the following chapters of the textbook:

<u>Chapter</u>	<u>Description</u>
1	Programming Discipline, the FORTRAN Language, and FORTRAN Statements to Write a Simple Program.
2	Intrinsic Functions, Integer-Type Data, Type Statement, IF Selection, Data Validation, and Introduction to Program Testing.
3	Format-Directed Input and Output.
4	Repetition Program Structure, Subscripted Variables, and DO Loops.
5	FORTRAN Subprograms and Case Program Structure.
6	Use of Files on External Storage.
7	Additional Features.