

Module Code:	STAT-318
Module Title:	<ul style="list-style-type: none"> FORTRAN Computer Language -- 2 Credit Hours
Name of Scheme:	BS Statistics

Course Outline

Introduction to the Computers: History, Main Computers, Various Input and Output devices and Tips for the computer maintenance.

Introduction to Operating Systems, Introduction to DOS: DATE, TIME, COPY, XCOPY, FORMAT, DEL, RENAME etc. Commands.

FORTRAN, FORTRAN fundamentals, Constants, Variables and Arithmetic. Input, Output and Format Statements. Decision making in FORTRAN language. Branching and looping Arrays, Functions, sub-programs and sub-routines filing.

Books Recommended

1. Lipschutz, M.M. Lipschuts S. "Theory and Problems of Data Processing". Schaum's outline series. McGraw Hill Book Company, New York.
2. Lipschutz., AS. And Poc., A. "Theory and Problems of Programming with FORTRAN". Schaum's out line series, McGraw Hill Book Company, New York.
3. Salaria R.S. "Programming in Microsoft FORTRAN 77", BPB Publications, New Delhi, India, 1994.

Reference Books

1. Fouri, W.M. Gaughran, S.L and Fouri, M. "IBM FORTRAN 77: Elements of Programming Style" 1986, Hayden Book Company.
2. Zwoss, V. "Introduction to Computer Science" 1981, Braves and Noble Books, New York.