

**Course Syllabus**  
**Southeast Missouri State University**

**Department of Industrial Technology**

**Course No:** MN-260

**Title of Course**    Technical Computer  
                                 Programming Applications

**Revision:** Fall 1999

**Instructor:**            Dr. Raj Desai  
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**I.    Catalog Description and Credit Hours of Course:**

This course will focus on high level programming languages and their applications in industrial and engineering technology. The student will learn the basics of programming using these languages.  
3 credit hours (2 hours lecture + 2 hours lab)

**II.   Prerequisite:** IM 102 Technical Communications or consent of Instructor

**III.   Purposes of the Course:**

Upon completion of this course, the students should be able to:

- A.    Have a basic understanding of programming fundamentals.
- B.    Understand program control statements.
- C.    Work with high level programs.
- D.    Build applications using Arrays and Strings.

**IV   Expectations of Students:**

- A.    Students will be expected to attend class regularly and be responsible for all information presented in class.
- B.    Students will be expected to participate and contribute to the class as appropriate.
- C.    Students will be expected to perform satisfactorily on all written/lab assignments. (No credit for late work and no handwritten assignments).
- D.    Students will be expected to take all examinations on assigned dates.

<b>V. Course Content:</b>	<b>Weeks</b>
A. Introduction to Programming Chapters 1-3	1-5
B. Programming languages Chapters 4-6	6-10
C. Programming Applications Chapters 7-10	11-16

**VI. Textbook:**

John W. Carter. (1999). Computer Programming for Technology and Engineering. Prentice Hall.

**VII. Basis For Student Evaluation:**

Students will be evaluated based on the following basis.

A. Written Exams (Midterm and Final)	50%
B. Classwork/Homework / Lab Assignments	50%

Letter grades will be based on the following criteria:

90 -100	= A
80 - 89	= B
70 - 79	= C
60 - 69	= D
Below 60%	= F

(Items in syllabus subject to change at discretion of Instructor)

**VIII. Lab Fees:** There is a \$10.00 lab fee for this course to cover the cost of computer paper and reproduction costs for the handouts provided by the instructor.

**IX. Disabilities Statement:** If you have special needs addressed by the Americans with Disabilities Act and need course materials in an alternative format, notify your course instructor immediately. Reasonable efforts will be made to accommodate your special needs.