

**COURSE OUTLINE FOR ESE 124**  
**FALL 2011**

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**INSTRUCTOR:**

**J.P. Parekh**

jpvparekh@gmail.com

Rm. 225, Light Engineering Bldg.

**TEXT:**

**Stephen Kochan**, *Programming in C (3<sup>rd</sup> Edition)*, SAMS  
Developer's Library

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- 1     Background information. Compiling and running simple programs
- 2     Variables, data types and arithmetic expressions
3.    Program looping. The *for*, *while*, *do*, *break* and *continue* statements
4.    Making decisions. The *if* statement, the *if else* construct, the *switch* statement
5.    Working with arrays and matrices
6.    Working with functions
7.    Working with structures
8.    Character strings
9.    Pointers