COURSE DESCRIPTION:
Conceptual study of programming language syntax, semantics and implementation. Course covers language definition structure, data types and structures, control structures and data flow, run-time consideration, and interpretative languages.

PREREQUISITE:
21:198:335 (Data Structure & Algorithm Design)

TEXTBOOK:

DEPARTMENT WEB SITE: http://www.ncas.rutgers.edu/math

THIS COURSE COVERS THE FOLLOWING TOPICS:
- Common features of programming languages
- Lexical Syntax
- Grammars
- Names
- Types
- Semantics
- Expressions
- Control Flow
- Subprograms
- Encapsulation
- Memory Management
- Event Handling
- Concurrency