

**SYLLABUS
FOR
Object Oriented Programming
(CS 260-001)**

Description: Object oriented programming concepts and methods. Includes encapsulation, data abstraction, class development, instantiation, constructors, destructors, inheritance, overloading, polymorphism, libraries, and packages.

CRN 13581
 TIME TR 8:00-9:15
 ROOM 017 Root Hall
 INSTRUCTOR Robert Sternfeld
 OFFICE A123 ROOT HALL
 TELEPHONE 237-7648
 OFFICE HRS 10:00-11:00 TR and by appointment
 TEXT *The Ruby Programming Language*
 by David Flanagan and Yukihiro Matsumoto
 PREREQUISITES: grade of C or better in CS 151

GRADES

| | |
|--------------------|-----|
| homework, programs | 35% |
| quizzes | 35% |
| midterm | 15% |
| final | 15% |

To compute your final percentage: find your percent in each category above, multiply by the appropriate factor above and sum. Your letter grade (A, B, C, D, F) is based on the percentages 90, 80, 70, 60. There will be between 5-10 homework-program assignments. There will be lots of quizzes. There will be a midterm and a final. Quizzes will be announced one class period in advance. The midterm will be announced at least 2 class periods in advance.

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WARNINGS: The instructor regards the class sessions as the most important part of the course. It is the student's responsibility to know the material covered in class. Quiz and test dates will be announced in class. This syllabus is not the final word on how the course will be run. Changes to the syllabus (if any) will be announced in class. **MAKE UP POLICY: NO MAKE UPS.**

Tentative Course Schedule

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|-------------|---|
| 01/13-01/22 | Chapter 1. Introduction |
| 01/27-02/05 | Chapter 2. The Structure and Execution of Ruby Programs |
| 02/10-02/19 | Chapter 3. Datatypes and Objects |
| 02/24-03/05 | Chapter 4. Expressions and Operators |
| 03/10-03/19 | Chapter 5. Statements and Control Structures |
| 03/24-04/02 | Chapter 6. Methods, Procs, Lambdas, and Closures |
| 04/07-04/16 | Chapter 7. Classes and Modules |
| 04/21-04/30 | Chapters 8-10. Topics as time permits |