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Course Objectives: Student in COMP 506 will develop a fundamental understanding of
program analysis, translation, and code generation. The course assumes
a working familiarity with scanning and parsing; those topics will be
covered as review material. COMP 506 and COMP 412 are mutually
exclusive; a student may only receive credit for one of them.

The programming assignments in COMP 506 will help students develop
skills in the translation, analysis, and transformation of programs,
represented in some abstract form.

Students are responsible for the contents of the book & the lectures.

Assignments & Grading Policies: The course will have two exams and three programming assignments, or
“labs”. Each programming assignment has a detailed handout that
describes the assignment in depth. The assignments will be weighted for
the final grade as follows:

<table>
<thead>
<tr>
<th>Exams</th>
<th>Programming Assignments</th>
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</thead>
<tbody>
<tr>
<td>Midterm Exam</td>
<td>Lab 1 16%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>Lab 2 16%</td>
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<td>Lab 3 18%</td>
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Exams are given under the Rice Honor Code.

Students are encouraged to discuss the programming assignments with
each other. However, each student must write all of the code that they
submit for each lab, other than standard libraries and instructor-
supplied material.

Textbook: Much of the material will be drawn from Engineering a Compiler, 2nd
Edition, by Cooper and Torczon; Several copies will be on reserve in
Fondren Library. Other material will draw on technical papers available
from the ACM Digital Library (free from Rice Owls wireless network) or
the course web site.

Discussion Site: We will be using Piazza to handle questions about assignments, tests,
and general class discussion. If you did not receive an email invitation to
Piazza, send email to the instructor.

Course Web Site: https://www.clear.rice.edu/comp506

Lecture notes, handouts for the programming assignments, and
announcements will be posted to the web site. Any changes to policies
will be posted on the course web site and on Piazza.

Notice: Any student with a disability requiring accommodations in this class should contact
the instructor or Rice’s Coordinator for Disability Support Services, Alan Reynolds.