Computer Engineering 171
Design and Implementation of Programming Languages

Fall 2006
Tuesdays and Thursdays
11:50 am – 1:35 pm
ENGR 105

Instructor
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Textbook

Grading

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Dates</th>
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<tbody>
<tr>
<td>Projects</td>
<td>30%</td>
<td>10/13, 10/27, 11/10, 12/1</td>
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<tr>
<td>Midterm exam</td>
<td>30%</td>
<td>10/19</td>
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<td>Final exam</td>
<td>40%</td>
<td>12/7</td>
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Overview

- Common language concepts: expressions, grammars, syntax trees
- Imperative languages: Pascal, C
- Object-oriented languages: C++, Smalltalk, Java
- Functional languages: ML, Scheme, Lisp
- Logical languages: Prolog
- Formal semantics: lambda calculus