CSci 5801
Preliminary Course Schedule and Reading List
(Be Aware—Changes will occur)

**Fall 2002, 11:15-12:30 T and Th**
Dr. Mats Heimdahl

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic:</th>
<th>Reading:</th>
<th>Deliverable:</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 3</td>
<td>Course overview</td>
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<tr>
<td>September 5</td>
<td>SE introduction, Ethics</td>
<td>Hamlet Ch-1, Ch-2. [1]</td>
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<tr>
<td>September 12</td>
<td>Requirements—the basics</td>
<td>Hamlet Ch-7, Ch-8</td>
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<tr>
<td>September 17</td>
<td>Requirements</td>
<td>Fowler Ch-3.</td>
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<tr>
<td>September 19</td>
<td>Requirements—testing and prototype</td>
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<tr>
<td>September 24</td>
<td>SE process</td>
<td>Hamlet Ch-4. Fowler Ch-1, Ch-2. Web readings.</td>
<td>Req. Due</td>
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<tr>
<td>September 26</td>
<td>SE process</td>
<td>Hamlet Ch-5.</td>
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<tr>
<td>October 1</td>
<td><strong>Midterm 1</strong></td>
<td>All readings above.</td>
<td>Except Fowler.</td>
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<tr>
<td>October 3</td>
<td>Requirements—some recent thoughts</td>
<td>Fowler Ch-4, Hamlet Ch-9. [3, 4]</td>
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<tr>
<td>October 8</td>
<td>Fundamentals of design, Architecture overview</td>
<td>Hamlet Ch-11. [5]</td>
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<td>October 10</td>
<td>Design criteria</td>
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<tr>
<td>October 15</td>
<td>Function oriented design</td>
<td>Hamlet Ch-13, Ch-14, Ch-17.</td>
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<tr>
<td>October 17</td>
<td>Function oriented design</td>
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<tr>
<td>October 22</td>
<td>OO overview</td>
<td>Hamlet Ch-15, Ch-16.</td>
<td>Functional Design Due</td>
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<td>October 24</td>
<td>OO process, Use cases</td>
<td>Fowler CH-1, Ch-2, Ch-3, Ch-4</td>
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<td>October 29</td>
<td>Class diagrams</td>
<td>Fowler Ch-6</td>
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<td>October 31</td>
<td>Class diagrams</td>
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<tr>
<td>November 5</td>
<td>Interaction diagrams</td>
<td>Fowler Ch-5</td>
<td>Class Diagrams Due</td>
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1 of 2
### November 7
State and activity diagrams, Midterm Review  
Fowler Ch-8, CH-9

### November 12
**Midterm 2**  
All readings above.

### November 14
To implementation  
Fowler CH-11

### November 19
Coding  
Hamlet Ch-12, Ch-18.  
Interaction Diagrams Due

### November 21
Testing introduction and strategies  
Hamlet Ch-19.

### November 26
Black-box testing  
Hamlet Ch-20

### November 28
**No Class.**  
**Thanksgiving.**

### December 3
White-box testing

### December 5
Reliability and when to stop  
Hamlet Ch-21

### December 10
Software maintenance  
[6]  
Testing Homework Due

### December 12
Configuration management  
[7]

### December 17
**Final**

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