Automata Theory (COT 4210)

Tuesday and Thursday, 11:00–12:15, ENG 4

**Textbook:** Peter Linz, *An introduction to formal languages and automata*, Third edition

**Web page:** www.csee.usf.edu/~eugene/auto

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**Exams**
There will be two midterms and a final exam:

- **Exam #1**  
  February 7 (Thursday), 11:05–12:15
- **Exam #2**  
  March 21 (Thursday), 11:05–12:15
- **Final Exam**  
  April 25 (Thursday), 11:05–12:15

**Homeworks**
Homeworks will usually be assigned every week. Each homework is due in the beginning of the class meeting (that is, at 11:00am) on the due date. If a homework is submitted after 11:00am, it will get fewer points:

- less than 24 hours past the deadline \( \text{grade is reduced by 25\%} \)
- 24 to 48 hours past the deadline \( \text{grade is reduced by 50\%} \)
- more than 48 hours past the deadline \( \text{too late!} \)

**Grading scheme**

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<thead>
<tr>
<th></th>
<th>Exam #1</th>
<th>Exam #2</th>
<th>Final Exam</th>
<th>Homeworks</th>
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<tbody>
<tr>
<td><strong>Weight</strong></td>
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<td>25%</td>
<td>40%</td>
<td>10%</td>
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<tr>
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<td>85–89.99</td>
<td>80–84.99</td>
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<td><strong>Grade</strong></td>
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<td>A</td>
<td>A–</td>
<td>B+</td>
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<td>50–64.99</td>
<td>0–49.99</td>
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<td>B</td>
<td>C</td>
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**Tentative course outline**
Basic concepts (Chapter 1)  
Finite automata (Chapter 2)  
Regular languages (Chapters 3 and 4)  
Context-free languages (Chapters 5 and 6)  
Pushdown automata (Chapter 7)  
Turing machines (Chapter 9)