# CSE 237 Theory of Computation – Spring 2008

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<tr>
<th>Instructor:</th>
<th>Prof. Alexander A. Shvartsman</th>
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<th>Email: <a href="mailto:aas@cse.uconn.edu">aas@cse.uconn.edu</a></th>
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<tr>
<td>Schedule:</td>
<td>Tuesday and Thursday, 12:30 pm - 1:45 pm, Castleman 206</td>
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| Office Hours: | • TBD  
• By appointment.  
• Walk-ins are welcome. |
• There will be supplementary handouts for selected topics. |
| Topics:     | • Introduction to theoretical aspects of computing  
• Models of computation; automata  
• Formal languages and their relationship to automata  
• Turing machines, recursive languages, recursively enumerable languages  
• Decidability and reducibility  
• Time complexity, the classes P and NP |
| Structure and Grading: | • Homework:  
• There will be a number of required homeworks.  
  o Homework Collaboration Policy: You may work with your classmates on the homework problems, however your write-up must be done on your own. If you obtain any part of your solutions with the help of others, you must identify the people you worked with on your submitted homework.  
  o Late policy: You may hand in one homework assignment on the Tuesday after it is due without penalty during the semester. No other late work will be accepted.  
• Tests: There will be two in-class tests and the final exam. The final exam will be given during the final exam period. All tests will be closed-book, closed-notes.  
• Grading:  
  o Homeworks: 35%  
  o Tests: 30% (15% each)  
  o Final exam: 35% |