



## CSE 3502 (237) Theory of Computation Spring 2009

<b>Instructor:</b>	Prof. Alexander A. Shvartsman	Tel: 486-2672	Email: aas@cse.uconn.edu
<b>Schedule:</b>	Tuesday and Thursday, 12:30 pm - 1:45 pm, Castleman 204		
<b>Office Hours:</b>	<ul style="list-style-type: none"><li>• TBD</li><li>• By appointment, but walk-ins are welcome</li></ul>		
<b>Text:</b>	<ul style="list-style-type: none"><li>• Michael Sipser, <i>Introduction to the Theory of Computation</i>, 2nd ed., Thomson, 2006. ISBN 0-534-95097-3</li></ul>		
<b>Topics:</b>	<ul style="list-style-type: none"><li>• Introduction to theoretical aspects of computing</li><li>• Models of computation; automata</li><li>• Formal languages and their relationship to automata</li><li>• Turing machines, recursive languages, recursively enumerable languages</li><li>• Decidability and reducibility</li><li>• Time complexity, the classes P and NP</li></ul>		
<b>Structure and Grading:</b>	<ul style="list-style-type: none"><li>• Homework Assignments: There will be a number of required homeworks.<ul style="list-style-type: none"><li>○ Homework Collaboration Policy: You may work with your classmates on homework problems, however your write-up must be done on your own. If you obtain any part of your solutions with the help of other sources, you must identify the sources/people on your submitted homework.</li><li>○ Late policy: You may hand in one assignment on the Tuesday after it is due without penalty during the semester. No other late work will be accepted.</li></ul></li><li>• 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.</li><li>• Grading:<ul style="list-style-type: none"><li>○ Homeworks: 35%</li><li>○ Tests: 30% (15% each)</li><li>○ Final exam: 35%</li></ul></li></ul>		