

# Syllabus

## Automata Theory Computer Science 394 Fall 1998

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<b>Meeting Place:</b>	102 Frasier-Jelkie
<b>Meeting Time:</b>	MWF 10:20 AM – 11:20 AM
<b>Text:</b>	<i>The Language of Machines</i>
<b>Authors:</b>	Robert W. Floyd and Richard Beigel
<b>Instructor:</b>	Eric Gottlieb
<b>Office:</b>	Math 317
<b>Office Phone:</b>	843-3723
<b>Email:</b>	<a href="mailto:gottlieb@rhodes.edu">gottlieb@rhodes.edu</a>
<b>Office Hours:</b>	1:30 PM – 3:00 PM MWF 2:30 PM – 4:00 PM TR

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**Course Description:** We will prove theorems about the abilities and limitations of abstract computing machines. We will cover most of the material in the text, including all of chapters 1, 2, 3, and 4 and parts of chapters 5, 6, 7, 8, and 9.

**Homework:** There will be three homework assignments. I tentatively plan to distribute them on 21 September, 30 October, and 30 November. For these assignments, you may consult any source. However, you must compose and be able to intelligently discuss your solutions. I may grade only some of the exercises in a given assignment.

**Exams:** There will be one take-home midterm exam. I tentatively plan to distribute it on 7 October. When working on the midterm, you may only consult your text, your notes, and me. There will be a cumulative, in-class, closed book final exam on Monday 14 December from 8:30 AM – 11:00 AM.

**Late Assignments:** I will accept late assignments if there is a compelling and well-documented reason for lateness.

**Your Grade:** Your numerical grade will be determined by your performance on exams and homework assignments as follows:

Midterm:	35%
Homework:	25%
Final Exam:	40%

Your letter grade will be determined by the standard conversion (90 – 100 → A, etc.).

**The Honor Code:** Your work must comply with the Rhodes Honor Code.