Credits: 3
Prerequisites: Grade of at least C in CSC 250; or permission of the instructor
Meeting Times: TR 3:30-4:45pm
Location: Petty 313

Instructor: Andrew A. Schaefer
Office: Petty 155
Office Hours: TWR 2-3pm; or by appointment
Webpage: http://www.uncg.edu/~aaschaef

Email: aaschaef@uncg.edu Please include CSC350F15 in the subject line of your email, any email without this may be missed.

Catalog Description: High level concepts in the theoretical foundations of computer science.

Student Learning Outcomes: Upon successful completion of this course, a student should be able to:

1. define basic terminology relating to logic, discrete probability, languages and automata.

2. practice the application of appropriate mathematical principles used to create logical expressions, languages and automata.

3. evaluate logical expressions, languages, and automata.

Course Topics: The topics that will be covered during the course of the semester include:

1. Elementary Logic
2. Predicate Logic
3. Discrete Probability
4. Order Relations
5. Regular Languages and Finite Automata


Final Exam: There will be a comprehensive Final Exam on Thursday, December 3, 3:30-6:30pm.

Exams: Exams will be closed book, closed notes.
Written Assignments: All written assignments will be announced in class along with due dates. Assignments are due before the start of class on the scheduled due date; late assignments will not be accepted. Each student should complete all assignments independently.

Attendance Policy: Students are expected to attend class regularly. It is the student’s responsibility to obtain the information that was presented during a class that was missed.

Makeup Policy: You may not make up exams without prior arrangements, a written medical excuse or a documented emergency. Makeup exams are at the sole discretion of the instructor, if you fail to make up the exam within a reasonable period of time, you will receive a zero.

Canvas Policy: You should check Canvas regularly for course announcements. Grades from assignments and exams will be posted to Canvas. It is the student’s responsibility to inform the instructor of missing or misreported grades within one week after they are posted.

Work Submission Policy: Submissions (both online and hard-copy) are evaluated as is. It is the student’s responsibility to submit the correct version of your work. Submitting the wrong version of your work is not a valid excuse.

Grading Policy: Each of the following components will contribute the indicated percentage to your overall grade:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignments</td>
<td>20%</td>
</tr>
<tr>
<td>Exam I</td>
<td>22%</td>
</tr>
<tr>
<td>Exam II</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>38%</td>
</tr>
</tbody>
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Grading Scale: Final Grades will be determined based on the following scale:

- A+ [97%, ∞)  
- A [93%, 97%)  
- A- [90%, 93%)  
- B+ [87%, 90%)  
- B [83%, 87%)  
- B- [80%, 83%)  
- C+ [77%, 80%)  
- C [73%, 77%)  
- C- [70%, 73%)  
- D+ [67%, 70%)  
- D [63%, 67%)  
- D- [60%, 63%)  
- F [0, 60%)

Academic Integrity Policy: The UNCG Academic Integrity Policy is available here: http://sa.uncg.edu/handbook/academic-integrity-policy/. Any student who violates this policy will receive a zero for the work and is subject to a reduction of the final grade of this course (up to "F"). The instructor will report the case to the university.

Electronic Device Policy: Cell phones and other electronic devices should be turned off (or muted) prior to the beginning of class.
**Recording Policy:** No student may record any classroom activity without express written consent from the instructor. If you have (or think you may have) a disability such that you need to record or tape classroom activities, you should contact the Office of Accessibility Resources & Services [http://ods.uncg.edu/](http://ods.uncg.edu/) to request an appropriate accommodation.

**Classroom Decorum:** You should arrive on time; habitual tardiness is disruptive. Eating and drinking is not permitted in class. Disruptive behavior will not be tolerated, you will be asked to leave. A pattern of disruptive behavior may result in your withdrawal from the course.

**Withdrawal:** A syllabus constitutes an agreement between the student and the course instructor about course requirements. Participation in this course indicates your acceptance of its teaching focus, requirements, and policies. Please review the syllabus and the course requirements as soon as possible. If you believe that the nature of this course does not meet your interests, needs or expectations, if you are not prepared for the amount of work involved - or if you anticipate that the class meetings, assignment deadlines or abiding by the course policies will constitute an unacceptable hardship for you - you should drop the class by the drop/add deadline, which is located on the Academic Calendar. For more information, please visit the Office of the University Registrar.

**Disclaimer:** This syllabus is intended to give the student guidance in what may be covered during the semester and will be followed as closely as possible. However, the instructor reserves the right to modify, supplement and make changes as needs arise.