Credit Hours: 3 credits  
Prerequisites: Grade of at least C in CSC 250; or permission of the instructor  
Meeting Times: MWF, 12.00 to 12.50pm  
Location: Petty 223  

Instructor: Chandana Ariyawansa(CA)  
Office: Petty 163  
Office Hours: MoTuWeTh 02.00-03.00pm or by appointment  
Email: chandana.ariyawansa@uncg.edu (Please include CSC350F17 in the subject line of your emails and use your UNCG email)  

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

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

1. define basic terminology relating to logic, discrete probability, language 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 Automata  


Course Delivery and Assignments: This is primarily a paper/pencil based course and will consist of 150 minutes of lecture per week. Class lectures will be interactive and students will be expected to participate in class discussion. Assignments will be given to provide practice with concepts covered in lectures.  

Evaluation and Grading Scheme: Your grade is based on the following criteria.  

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<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Assignments</td>
<td>20%</td>
</tr>
<tr>
<td>Exam I</td>
<td>20%</td>
</tr>
<tr>
<td>Exam II</td>
<td>20%</td>
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<tr>
<td>Cumulative Final Exam</td>
<td>40%</td>
</tr>
</tbody>
</table>

Students will be graded strictly according to the scale below.
A+ .......................... 97% and above
A ................................. 93-96%
A- ............................... 90-92%
B+ ............................... 87-89%
B ................................. 83-86%
B- ............................... 80-82%
C+ ............................... 77-79%
C ................................. 73-76%
C- ............................... 70-72%
D+ ............................... 67-69%
D ................................. 63-66%
D- ............................... 60-62%
F ................................. Below 60%

Additional Notes:

Written Assignments: All written assignments\(^1\) 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 assignments independently.

NOTE: All assignments will count. There are no dropped grades!

Exams: The cumulative final exam will be given during the time specified on the University Registrar’s Office Exam Schedule. Dates for in-class exams(Exam I and II) will be announced with ample time.

FINAL EXAM DATE: FRIDAY, DECEMBER 1 – 12.00 - 03.00PM

NOTE: All exams will count. There are no dropped grades!

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. Absences in excess of three lectures may result in being automatically dropped from the course.

The university allows for a limited number of excused absences for religious observances. Students who plan to take such an absence should notify the instructor at least two weeks in advance so that accommodations can be made.

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.

Email Communication: I may use email to communicate with you. I will only use your UNCG email addresses. Please make sure to check your messages regularly. If you normally use a different email address, it is your responsibility to forward your UNCG messages to that address. **When you email me(or reply back), please use only your UNCG email.**

\(^1\)You must typeset all assignments answers. I encourage you to use \LaTeX\ (highly recommended) or any other word processor for your assignment work.
**Academic Integrity Policy:** Students are expected to abide by the UNCG Academic Integrity Policy, which is available at:

http://sa.uncg.edu/handbook/academic-integrity-policy/

Any infraction(s) will result in failure of the entire course and a final course grade of F. The instructor will also report the case to the university.

**Electronic Device Policy:** Cell phones and other electronic devices should be turned off 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/ to request an appropriate accommodation.

**Classroom Decorum:** You should arrive on time; habitual tardiness is disruptive. Eating and drinking is not permitted in class. Smoking is strictly prohibited in classroom. This includes e-cigarettes. 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.

**ADA Statement:** UNCG seeks to comply fully with the Americans with Disabilities Act (ADA). Students requesting accommodations based on a disability must be registered with the Office of Accessibility Resources and Services located in 215 Elliott University Center: (336) 3345440 (or http://oars.uncg.edu).

**University Closings:** If university facilities are closed due to flu outbreak or other emergencies, it does not mean that classes are canceled. In such an event, please check the Canvas site for information about if and how the class will proceed.

**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.