Meeting Time: 9:00 – 9:50 A.M., Monday, Wednesday, and Friday  
Meeting Location: Austin 206  
URL: http://www.cs.ecu.edu/~rws/c2405/  

Instructor: Dr. Ronnie W. Smith  
Office: Sci-Tech C-117  
Office Hours:  
Monday 10:00 – 11:30 A.M.  
2:30 – 3:30 P.M.  
Wednesday 10:00 – 11:30 A.M.  
Thursday 1:30 – 2:30 P.M.  
(or by appointment)  

Email: rws@cs.ecu.edu  
Phone: 328-9687  

Course Goals  
1. To demonstrate understanding through both theoretical and applied problem solving about  
various topics in discrete mathematics that are important in computer science. Topics include  
mathematical induction, permutations, combinations, recurrence relations, graphs, and trees.  
2. To gain experience in formal mathematical reasoning that prepares the student for future study in  
computer science.

Prerequisite  
CSCI 2400

Text (required)  
2019.

Other Class Resources  
- Course homepage: http://www.cs.ecu.edu/~rws/c2405/ - announcements and resource links  
including homework and class schedules.  
- Blackboard: https://blackboard.ecu.edu/ - secured class information including student grades  
and homework and exam solutions.  
- Course Tutor: Hours posted on course homepage once determined (at least 4 hours).  

Evaluation Criteria  
Assignments/Class Participation – 20%  
In-class Exams - 50% (September 13, October 4, October 28, November 22, dates subject to change)  
Final Exam - 30% (Wednesday December 11, 8:00 A.M. – 10:30 A.M.)

Grading Scale  
An absolute grading scale has not been set, but you can be assured of at least the following:  

\[
\begin{align*}  
\text{Final Average (x)} & \quad \text{Grade will be at least} \\
90 & \quad A- \\
80 & \quad B- \\
70 & \quad C \\
\end{align*}
\]
Late Work
No late assignments will be accepted without an official excused absence. Assignments are due at the start of class unless otherwise noted. A dean's excuse or student health excuse is required for an absence to be considered excused.

Class Attendance
Attendance is mandatory and will be checked. Each unexcused absence will adversely impact your attendance/class participation average.

Tardiness is considered an unexcused absence.

A dean's excuse or student health excuse is required for an absence to be considered excused.

Virtual Office Hours
Besides physical office hours noted on the previous page, virtual office hours are available on an ad hoc basis. This refers to times during the week when I will try to answer student emails. My policy for answering emails will be the following.

- First priority during physical office hours will be visitors and phone calls. Secondary priority will be answering emails.
- On weekday evenings (Monday through Thursday), I usually check email at least once, but normally no later than 9:30 P.M.
- On weekends, I will normally try to look at email at some point on Sunday afternoons after 2:00.
- You should not rely on me answering emails quickly at other times, though I will sometimes be able and willing to do that.
- **WARNING:** because of ITCS policies, emails sent to my administrative email address may not get properly forwarded to my professional email address (rws@cs.ecu.edu). If you use my administrative email address, I make no guarantees about timeliness of response whatsoever.

Ethics
You may work on assignments in two or three person teams. Teams should remain the same throughout the semester. The name of all team members should be provided when you turn in an assignment. **Turn in only one copy of the assignment per team.**

I may make a portion of some of your exams take-home. It is expected that all work on an exam is your own work and nobody else. You may discuss take-home exam questions with me, but not with any tutors or teammates or anyone or anything (e.g. an Internet search) else.

Hints for Success
1. Do the reading in advance and prepare thoughtful questions.
2. Master the definitions by working practice problems.
3. Form study groups to be able to discuss course material and practice problems with your peers.
4. Take advantage of my office hours or the available tutoring hours.

University Mandated Syllabus Information
The university requests that we include information in each syllabus on retention requirements, student conduct, weather emergencies, and ADA compliance. This information is available on a separate page provided in the online syllabus at the course web site.