COT 3100-001 Introduction to Discrete Structures

Instructor:	Dr. Hao Zheng
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Office Hour/location:	3:30-5pm Mon. and Wed., or by appointment.
Class Meeting Time/Location:	Mon., Wed., and Fri., $2:00pm - 2:50pm$ at BSN 1401.
Credit Hours:	3

Teaching Assistants

Name	Email	Office Hour	Office Location
Louis Jaimes	ljaimes@mail.usf.edu	TBD	TBD
MD Kayes	imrul@mail.usf.edu	TBD	TBD

Course Description

This is an introductory course in Discrete Mathematics oriented toward Computer Science and Engineering. The principles and methods of mathematics covered in this course form the foundation of computer science. Topics will include Logic and Logical proofs, Sets, Functions, Relations, Induction, Recursion, Counting principles, Probability theory, Boolean algebra, Graph and Trees, etc. The goal of this course is to help you build a solid background and understanding of the above topic necessary for later computer science courses.

Course Material

Textbook: *Discrete Mathematics with Applications*, Susanna Epp, 4th Edition, ISBN 0-495-39132-8.

Supplement: Student Solutions Manual, Susanna Epp and Tom Jenkyns, ISBN 0-495-82613-8.

Prerequisites

N/A

Grading

Homework/Exams	Chapters Covered (Tentative)	Grades	Date
Homework	TBA	15%	
Exam 1	Chapter 1, 2, 3	15%	TBD
Exam 2	Chapter 4, 5, 6	20%	TBD
Exam 3	Chapter 7, 8, 9	20%	TBD
Final Exam	Chapter $1 - 11$	30%	TBD

Final grading Scale:

< 60%	60% - 69.9%	70% - 79.9%	80% - 89.9%	$\geq 90\%$
F	D	C	B	A

Homework Assignments

- Approximately 12 homework assignments will be given.
- All assignments are individual, and the final submission must be your own work.
- For each assignment, 50% of credits are based on completion, and the other 50% are based on correctness of the problems randomly selected.
- Homework solutions must be submitted via Blackboard. Submission in any other form will be ignored.
- Solutions must be typed using a text editor. Figures if used must be drawn using a graphics editor. Handwritten solutions will not be accepted.
- Requests for re-grading must be submitted via email or in writing within one week since the graded assignment is returned.
- Additional specific requirements may be imposed for individual assignments.

Exam Policy

- For each exam, you are allowed to bring hand-written notes with whatever information you think helpful.
- During exams, all electronics must be turned off.
- Requests for re-grading must be submitted via email or in writing within one week since the graded exam is returned.

Policy for Missing Exam and/or Assignments

Students who miss the exams or homework deadlines must contact the instructor in advanced, or present proof showing an emergency. Failure to do so will incur 0 credit on the missed exams or homework assignements.

Communication

Blackboard will be the sole means for communications. Grades, handouts, and other related materials will be posted only on Blackboard. The following three locations on Blackboard will be used very often during this semester.

- Course Document where lecture material and other related documents are posted
- Assignments where assignments are posted and your solutions are submitted. Anything sent to Digital Dropbox is ignored.
- Grade Book where grades for assignments, exam(s), and the final project are posted.
- **Discussion Board** where questions and answers that are of intereste of the entire class are posted.

In addition, your email inbox needs to be cleared because messages broadcast to the whole class will be sent out via announcements and/or emails. You are responsible for not receiving emails due to the overflow of your email inbox.

Academic Integrity/Academic Dishonesty

Students are expected to be honest and not cheat on their assignments/examinations/project. Collaboration and discussion with fellow students are highly encouraged, but copying each other's work is forbidden. Every student should read the University's policies on student conduct, academic dishonesty, etc. Please see the University's Undergraduate Catalog regarding these policies at http://www.ugs.usf.edu/pdf/cat1011/20102011.pdf. Students caught cheating in any form will receive an **FF** grade for the course.

Last Day to Drop with 'W':

October 29th

General Policies

- All announcements and assignments will be posted through Blackboard. Students are required to look in Blackboard for course material and related information.
- Class Attendance is required although not monitored. Students are responsible for all information communicated during class. This information will not be necessarily duplicated in the class webpages.
- Academic dishonesty will not be tolerated and the student, in question, will be dealt with in accordance with the University policies.
- Cell phones may not be used as calculators. Cell phones must be turned off at all times including exams and lectures.

- The communication functions including text messaging on all devices must be turned off during exams.
- Students are not allowed to sell or distribute notes provided for this class.
- Students with disabilities are encouraged to consult the Instructor as soon as possible. If accomodations are needed, a letter from the Office of Student Disability Services (SVC 1133) will be required. Please inform the Instructor if there is a need for alternate format for documents or notetaker.
- Students who anticipate the necessity of being absent from class due to the observation of a major religious observance must provide notice of the date(s) in writing by the second class meeting.
- The instructor reserves the right to interpret the class policies if confusions may occur.