COURSE SYLLABUS

COURSE NUMBER        COT 3100
COURSE TITLE          Discrete Structures
INSTRUCTOR AND CONTACT Dr. Bernd Owsnicki-Klewe
                      http://uwf.edu/bowsnickiklewe

COURSE DESCRIPTION:
Number systems, propositional logic, predicates, proofs, sets, functions, sequences, summations, algorithms, induction, recursion, graphs, trees, elementary combinatorics.

PREREQUISITES:
COP 2253 or EEL 4834 (ECE majors), MAC 2311 (CS and ECE majors), or MAC 2233 (CIS and IIT majors).

COREQUISITES:
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STUDENT LEARNING OUTCOMES:
Students finishing the course are able to

● manipulate logical statements
● formulate conjectures, determine the validity of the conjectures, and
● construct proofs (including proofs by induction)
● explain and correctly use the basic concepts of discrete mathematics such as sets and functions, sequences and summations
● understand the basics of asymptotic analysis
● understand basic laws of counting and combinatorics
● represent and traverse graphs, including trees

TEXTBOOK:
COURSE OVERVIEW

The course is held in class and online. The lectures on Fridays will be transmitted live and be recorded with the Elluminate/Blackboard system. In order to participate, online students will need to have a headset or computer speakers (headset preferred), access to the Internet and at least three hours a week to follow or replay the sessions.

In order for online students to participate, you need to click this link:

https://sas.elluminate.com/m.jnlp?sid=uwf0707&password=M.9D3D5C55B50DEFE6B844A1D7B3BC65

There will be two midterms and one final. You can take both either proctored or in-class. In order to have your exams proctored, please follow these instructions:

http://uwf.edu/online/getting-ready-for-class/proctored-exam-information/

The date for the exams are given in the schedule at the end of the syllabus. ProctorU examinations are not available for his course.

In case of unforeseen circumstances test dates could be moved. Refer to class announcements and the eLearning system for updates!

COURSE POLICIES

All submissions of homework must be made on paper for the class room sections and over the eLearning drop boxes for online students. Online students will have to make their solutions available for electronic submission by either using a word processes such as MS-Word or Open Office that needs to support mathematical typesetting (formula editor/symbol fonts) or prepare a scan of their hand-written submissions electronically.

Quizzes must be taken during the allocated time in the eLearning quiz system.

Late submissions will not be accepted! It is your responsibility to ensure timely and correct submissions. You should download and check your submission after uploading it – an incorrect submission cannot be resubmitted after the deadline. You can upload several versions of your submission before the deadline; unless otherwise instructed in the submission notes I will grade the chronologically last submission!

The deadlines for submissions is given in the schedule below; it will also be visible in the assignment and the associated drop box. Modifications to the schedule will be announced in the eLearning system.

Emails regarding the course must have a subject line starting with “COT3100”; you must give your full name at the end of the email to make it possible for me to match you with your issue. Your emails must be sent from your UWF email account – any other sender email might land in my spam folder.
GRADING & EVALUATION

* 2 midterm exams 20/ea = 40

* 1 final exam 35
Midterms and final are written tests, closed book, closed notes, calculator allowed. The final will be comprehensive. Online students need to refer to the proctoring opportunities mentioned above.

* Homework: 20 (5 problem sets, 4/ea)
Available online on Thursday of the respective week, due next Thursday/Friday beginning of class. Online students only (!) can post scans on the eLearning drop box by Friday the week after the release.

* Online Quizzes: 5 (5 Quizzes at 1/each)
These quizzes are short online (!) quizzes – they will be available between Wednesday 8am and Friday 11:59pm of the corresponding week in the eLearning system. There is one attempt only for each quiz.

Grading scale
94-100 90-93 87-89 83-86 80-82 77-79 73-76 70-72 67-69 60-66 0-59
A   A-    B+    B    B-    C+    C    C-    D+    D    F

Academic Conduct and Plagiarism:

The Student Code of Conduct (PDF) sets forth the rules, regulations, and expected behavior of students enrolled at the University of West Florida. Violations of any rules, regulations, or behavioral expectations may result in a charge of violating the Student Code of Conduct. It is the student’s responsibility to read the Student Code of Conduct and comply with these expectations. The Academic Misconduct Policy (2009) defines various forms of academic misconduct and describes the procedures an instructor should follow when he or she suspects that a student has violated the Academic Misconduct Policy.
Student Disability Resource Center

The University of West Florida supports an inclusive learning environment for all students. If there are aspects of the instruction or design of this course that hinder your full participation, such as time-limited exams, inaccessible web content, or the use of non-captioned videos and podcasts, reasonable accommodations can be arranged. Prior to receiving accommodations, you must register with the Student Disability Resource Center (SDRC). Appropriate academic accommodations will be determined based on the documented needs of the individual. For information regarding the registration process, e-mail sdrc@uwf.edu or call 850.474.2387.

Veterans Services

The UWF Military & Veterans Resource Center (MVRC) serves as a leading campus advocate for military and veterans students, working to ensure the needs of these individuals are met through coordinating with multiple university offices and services. The center provides assistance with the following: GI Bill ® education benefits, active duty tuition assistance, out of state fee waiver, tutoring, paper reading, counseling, disability accommodations, coordinating academic advising and referral to state /federal resources and services. The MVRC is located in bldg. 38. For more information on MVRC service, call 474-2550 or visit http://uwf.edu/militaryveterans

Emergency Information and Course Continuity

In the case of severe weather or other emergency, the campus might be closed and classes cancelled. Official closures and delays are announced on the UWF website and broadcast on WUWF-FM.

Weather Emergency Information

- WUWF-FM (88.1MHz) is the official information source for the University. Any pertinent information regarding closings, cancellations, and the re-opening of campus will be broadcast.

- In the event that hurricane preparation procedures are initiated, the UWF Home Web Page and MyUWF will both provide current information regarding hurricane preparation procedures, the status of classes, and the closing of the University.

Emergency plans for the University of West Florida related to inclement weather are available on the following UWF web pages:

  - Hurricane preparedness
  - Other emergency procedures
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