

CE/CS/TE 2305.504-16f Course Syllabus

Please read this document carefully and check for updates frequently. Students are responsible for understanding and complying with the policies and guidelines herein.

Course Information

CE/CS/TE 2305.504-16f Discrete Mathematics for Computing, Part I Fall 2016

Professor Contact Information

Instructor: Adrian Soncodi, acs151130@utdallas.edu
E-mail: **Please use the eLearning e-mail to communicate with the professor.**
Office: ECSS 4.403, office phone 972-883-4523 to check whether I'm available
Office Hours: Tuesdays & Thursdays, 7:00 p.m. – 8:00 p.m. or other hours by appointment

Teaching Assistants

TA Name: to be announced.
TA Office, office hours: to be announced.

Discrete Math Mentor Center

For CE/CS/TE 2305 the Mentor Center (CSMC) is in CN 1.214.

E-mail Communication with your Professor and Teaching Assistants

- All e-mail communication with the professor and teaching assistants must be sent through **eLearning e-mail**.
 - To use your eLearning e-mail, login to the eLearning website, click on the link for this course, and click on the email icon on the left side of the page.
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Course Pre-requisites, Co-requisites, and/or Other Restrictions

At least 75% in ALEKS or MATH 2312 Pre-calculus with a grade of C or better.

Course Description

In this course we cover chapters 1 to 6 from the textbook specified below, plus some extra material if time permits. All (sub)sections are required, unless the instructor specifies otherwise.

Student Learning Objectives/Outcomes

- Ability to use and apply basic definitions and properties of logic.
 - Ability to use and apply basic definitions and properties of sets, relations, functions.
 - Ability to understand what an algorithm is, algorithmic complexity and to use algorithms.
 - Ability to understand the basics of number theory and work with modular arithmetic.
 - Ability to recognize and construct valid proofs including proofs by induction.
 - Ability to use basic counting techniques.
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Required Textbooks and Materials

Textbook: Discrete Mathematics and Its Applications, Seventh Edition, McGraw-Hill, 2012.
Author: Kenneth Rosen, Publisher: McGraw-Hill, ISBN: 978-0-07-338309-5

Optional: There is also an *answers book* for the exercises in this textbook.

Assignments & Academic Calendar

See also <https://www.utdallas.edu/academiccalendar/files/AcademicCalendarFall2016.pdf>

Typically, assignments will be given for every week, to be submitted before deadline's midnight. Exceptions will be announced (e.g. for the weeks with exams). See also assignment rules below.

Tentative exam schedule (instructor to reconfirm prior to these dates):

Exam 1:	Tuesday, September 27	Chapter 1
Exam 2:	Thursday, October 27	Chapters 2, 3
Exam 3:	Tuesday, December 6	Chapters 4, 5, 6

University Closings:

Labor Day	Sep. 5	does not affect this course
Fall break	Nov. 21 – Nov. 27	no lectures on Nov. 22, 24

Withdrawal from Class

The university administration has set deadlines for withdrawal of any college-level courses. These dates and times are published in the course catalog. Administration procedures must be followed. It is the student's responsibility to handle withdrawal requirements from any class. In other words, I cannot drop or withdraw any student.

Again, it is YOUR responsibility to submit the paperwork if you need to withdraw from a class. YOU MUST DO THE PROPER PAPERWORK TO ENSURE THAT YOU WILL NOT RECEIVE A FINAL GRADE OF "F" IN A COURSE IF YOU CHOOSE NOT TO ATTEND THE CLASS ONCE YOU ARE ENROLLED

Grading Policy

Course grade is computed using the following weights.

CSMC attendance	5%
Classroom participation	10%
Homework assignments	15%
Exam 1	20% - closed books and notebooks
Exam 2	25% - closed books and notebooks
Exam 3	30% - closed books and notebooks

Letter grades:

A+	95% - 105%	A	90% - 94%	A-	85% - 89%
B+	80% - 84%	B	75% - 79%	B-	70% - 74%
C+	65% - 69%	C	60% - 64%	C-	55% - 59%
D+	50% - 54%	D	45% - 49%	D-	40% - 44%
F	Below 40%				

THERE ARE NO MAKE-UP ASSIGNMENTS/EXAMS.

NO OTHER EXTRA CREDITS GIVEN.

PLEASE NOTE!!! NEW DEPARTMENT POLICY STATES THAT:

- **3 consecutive absences result in lowering the course grade by one letter.**
- **4 consecutive absences automatically result in an F.**

Other than this, participation also counts toward the final grade (see above)

Course & Instructor Policies

Instructional Method

- Students are **REQUIRED** to read the book sections in advance. The most important topics will be presented/discussed in class. Summary slides from the lectures will be posted.
- Learning objectives will be achieved and reinforced through classroom discussion, homework exercises, quizzes and exams/tests. Student self-study is mandatory.

Course Announcement Policy

- This syllabus will be posted in the CS 2305 course page in eLearning.
- Other course related information, such as class announcements, assignments and policies will be posted as needed at the same website.
- ***It is your responsibility to check the website frequently for up-to-date information.***
- If needed, your Professor may communicate with you by e-mail. It is your responsibility to check your eLearning e-mail frequently to receive such communications. ***In order to receive e-mail it is your responsibility to make sure that your e-mailbox is not full.***
- All e-mail communication must be done using the eLearning website.

Homework Assignments

- Homework assignments are an important tool for mastering the material.
- Weekly homework assignments will be given.
- The homework will consist of reading assignments and homework problems.

- You are responsible for completing and understanding the reading assignments and homework problems to be successful in this class.
- **If you have questions about homework problems, reading assignments or classroom material, please visit me during my office hours and visit our Mentor Center.**
- **There are many resources available to you if you need help: instructor, TA, mentors. Please utilize them to maximize your success in our class.**
- Please read each homework assignment carefully and follow the directions given on the homework sheet.
- Homework assignments will be posted on the eLearning page. You are responsible for downloading and completing the assignment and submitting it by the due date.
- Each homework assignment is due at the time and date posted at the eLearning course website.
- Each homework assignment must be submitted using its associated eLearning object.

Late Homework Policy:

- Normally, you need to obtain 50% of a homework's max points for a grade of 100%.
- If you submit 1 day late, then you need 60% of points for a grade of 100%.
- If you submit 2 days late, then you need 70% etc.
- A homework can be maximum 5 days late, after which its submission is closed.

Quizzes

- Pop quizzes may be given, covering homework assignments and lectures.
- **There will be no make-up quizzes.**

Exam Policy

- You are expected to take the exams on the scheduled day and time.
- **Do not schedule travel on exam days. *This includes all exam dates.***
- Rescheduling of exams will be considered only in rare special circumstances with adequate documentation.
- You should talk with me before the exam if you have an *appropriately documented, extraordinary circumstance* for rescheduling.
- **Usage of cell phones, portable media players or computers, as well as other materials such as notes or books is absolutely not allowed during quizzes and exams.**

Classroom Participation and Citizenship

- Classroom citizenship describes appropriate behavior in the classroom that promotes an effective atmosphere for learning and exemplifies respect for yourself, your fellow students, your TAs and your professor.
- Examples of good classroom citizenship include (but are not limited to) the following:
 - regular attendance
 - on-time arrival in the classroom
 - participation in classroom discussions and activities
 - turning cell phones off or muting them during class and during exams
 - turning off and putting away all portable media players while in the classroom or exam room
 - usage of laptops for lecture-related activities **ONLY** when instructor allows
 - attentiveness during the lecture
 - academic honesty
 - etc.

Attendance

- Classroom lectures and homework assignments are extremely important for your success in this class. You are strongly advised to attend every lecture and to complete all of your homework assignments.
- Attendance will be taken in class. Inadequate class attendance and/or tardiness will result in a lower grade for the course.
- If an emergency arises that forces you to miss a class,
 - **Please send an e-mail to the professor explaining the reason for your absence. This e-mail must be received within 48 hours of the absence.**
 - Please obtain contact information from some of your classmates so that you can find out what you missed if you were absent. **This is your responsibility. *There are no make-up quizzes/homework assignments/exams/tests.***
 - You are responsible for completing homework assignments, and obtaining and understanding class notes and handouts for the missed class.
 - You are responsible for checking eLearning for homework assignments and class announcements.
- You are expected to take the exams on the scheduled day and time.
 - **Avoid traveling on exam days. *This includes all exam dates.***
 - Rescheduling of exams will be considered only in rare special circumstances with adequate documentation.
 - You should talk with me in advance if you have an *appropriately documented, extraordinary circumstance* for rescheduling.

Cell Phone, Laptop and Portable Media Player Policy

- Please turn off or mute your cell phone during class.
- **PLEASE TURN OFF AND PUT AWAY ALL PORTABLE MEDIA PLAYERS AND HEADPHONES.** Usage of such devices is ***ABSOLUTELY NOT ALLOWED DURING CLASS.*** This includes all mp3 players, ipods, etc.
- **Cell phone usage during class is not allowed.** This includes sending or reading text messages, browsing the internet, or any other usage.
- If an emergency arises that requires you to accept a phone call, please step out of the room.
- **If you bring a laptop to class, do not check your e-mail, browse the internet, or use it for any purpose that is not directly related to the lecture.**
- Laptops may be used in class only for the purpose of taking class notes during the lecture. **PROFESSOR'S PERMISSION IS REQUIRED FOR LAPTOP USAGE IN CLASS!**
- **Usage of cell phones or computers and portable media players is absolutely not allowed during quizzes and exams.**

UT Dallas Syllabus Policies and Procedures

The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus. Please see <http://go.utdallas.edu/syllabus-policies> for these policies.

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor.