

## Course Syllabus

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

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### **Course Information**

CS 3305      Discrete Mathematics for Computing II

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### **Professor Contact Information**

Instructor:      Dr. Linda Morales, ECSS 3.208  
Office hours:    as posted in eLearning, or by appointment.  
E-mail:          **Please use eLearning e-mail to communicate with the professor.**

**Please note:** all e-mail communication with the professor and teaching assistants must be sent through **eLearning e-mail**.

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**Teaching Assistants**      Names and contact information are posted in eLearning  
**Contact the TASs through eLearning e-mail**  
**Please see the TAs for questions about Homework grading.**

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### **Computer Science Mentor Center (CSMC)**

All students are encouraged to visit the CS Department Computer Science Mentor Center frequently during the semester. The Center is staffed by student mentors who can provide help on homework and other items related to our class. You may visit the center to study for tests, to do your homework, to work on exercises, to participate in study and review sessions, and to get one-on-one coaching on Discrete Math concepts.

Location:	ECSS 4.415	<a href="http://www.utdallas.edu/maps/">http://www.utdallas.edu/maps/</a>
Hours:	Monday-Thursday	11:30am-10pm
	Friday	11:30am -6pm
	Saturday	noon-6pm
	Sunday	noon-8pm

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### **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 e-mail icon on the left side of the page.
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### **Course Pre-requisites, Co-requisites, and/or Other Restrictions**

Prerequisite courses:

CS 2305: Discrete Mathematics for Computing I, and MATH 2414: Integral Calculus or MATH 2419: Calculus II.

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### **Textbooks and Other Materials**

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

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### Student Learning Objectives/Outcomes

- Ability to recognize and construct proofs.
- Ability to recognize and use equivalence relations and partial orderings.
- Ability to use recursive definitions and solve recurrence relations.
- Ability to understand advanced counting methods.
- Ability to understand graph theory and basic graph algorithms.
- Ability to use tree terminology and basic tree algorithms.

Additional topics will be discussed if time permits.

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### Calendar

**Tentative Test Dates are posted in eLearning.**

**Test dates will be reconfirmed by the professor prior to each exam**

**Test location: SSC Testing Center, MC 1.401 (in the basement of McDermott Library)**

**You MUST bring your Comet Card to take the test!**

**You MUST sign up for a slot in the testing center at <http://www.utdallas.edu/studentsuccess/testingcenter/index.html>**

**Check the academic calendar at <http://www.utdallas.edu/academiccalendar/> for important dates such as:**

**Drop/Withdrawal Deadlines**

**Midterm grades viewable online**

**University Closings**

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### 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**

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### Grading Policy

**Course grade is computed using the following weights. NO EXTRA CREDIT GIVEN!!!**

Tests	70%
Assignments	15%
Classroom citizenship	15%

<b>A+</b>	97%-100%	<b>A</b>	94%-96.9%	<b>A-</b>	90%-93.9%
<b>B+</b>	87%-89.9%	<b>B</b>	84%-86.9%	<b>B-</b>	80%-83.9%
<b>C+</b>	77%-79.9%	<b>C</b>	74%-76.9%	<b>C-</b>	70%-73.9%
<b>D+</b>	67%-69.9%	<b>D</b>	64%-66.9%	<b>D-</b>	60%-63.9%
<b>F</b>	Below 60%				

#### **PLEASE NOTE!!!**

1. **Four (4) absences will result in lowering the course grade by one letter.**

**In addition, DEPARTMENT POLICY STATES THAT:**

2. **Three consecutive absences leads to one letter grade drop.**
  3. **Four consecutive absences leads to an F.**
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### Course & Instructor Policies

*(make-up exams, extra credit, late work, special assignments, class attendance, classroom citizenship, etc.)*

### **Instructional Method**

Discrete mathematics concepts will be introduced and discussed in class. Students are encouraged to be active participants in the classroom discussion. Learning objectives will be achieved and reinforced through classroom discussion, homework exercises, quizzes and exams.

### **Course Announcement Policy**

- This syllabus is posted in the CS 3305 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**

**PLEASE NOTE!!! DEPARTMENT POLICY STATES THAT INTERVENTION WILL BE REQUIRED IF HOMEWORK ASSIGNMENTS ARE NOT SUBMITTED.**

- Homework assignments are an important tool for mastering the material.
- Frequent 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 the CSMC. There are many resources available to you if you need help. 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 Homework folder. You are responsible for completing the assignment and submitting it through eLearning 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 dropbox.
- **Late homework policy:**
  - 20% will be deducted from the grade for a late homework submission for each day past the due date and time.
  - **NOTE!!!** This means that the grade for a submission that is more than 4 days late will be 0% **REGARDLESS OF THE REASON FOR THE LATE SUBMISSION!!!**

### **Quizzes**

- Quizzes will be given at the CSMC to help you find out if a review of prerequisite material is needed. Review sessions will be offered at the CSMC.
- 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 **MUST** talk with your professor within the first two weeks of the semester if you have an ***appropriately documented, extraordinary circumstance*** for rescheduling.
- **Usage of cell phones, portable media players, cameras and computers is absolutely not allowed during quizzes and exams.**
- **All exams are closed book and closed notes.**
- **No electronic devices are allowed during exams.**

### Classroom 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:
  - academic honesty
  - regular attendance
  - on-time arrival in the classroom
  - participation in classroom discussions and activities
  - participation in required CSMC activities, such as mandatory quizzes and review sessions
  - 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**
  - attentiveness during the lecture
  - etc.

### Attendance

#### PLEASE NOTE!!!

1. **Four (4) absences will result in lowering the course grade by one letter.**

#### In addition, DEPARTMENT POLICY STATES THAT:

2. **Three consecutive absences leads to one letter grade drop.**
3. **Four consecutive absences leads to an F.**

- 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.**
  - You are responsible for completing homework assignments, and obtaining and understanding class notes and handouts for the missed class.
  - ***There are no make-up quizzes.***
  - 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.
  - ***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 **MUST** talk with your professor within the first two weeks of the semester 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, cameras, computers and portable media players is absolutely not allowed during quizzes and exams.**

### **Academic Integrity**

- **PLAGIARISM AND CHEATING ARE ABSOLUTELY NOT TOLERATED.**
- The University has a strictly enforced policy to ensure academic integrity. Please read the policy by visiting <http://go.utdallas.edu/syllabus-policies> .

Please visit <http://go.utdallas.edu/syllabus-policies> for other policies

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### **eLearning Support**

- This course uses eLearning for homework submissions and as a repository for information related to the course. Examples of information available at our course's eLearning website are the course syllabus and a document containing instructions for downloading software to be used in the course.
  - Students are expected to know how to use eLearning to do tasks such as: accessing the eLearning website for this course, reading announcements, reading and sending e-mail through eLearning, accessing and downloading documents from the eLearning website, submitting homework assignments using an eLearning dropbox, taking quizzes through eLearning, checking the eLearning gradebook. These skills are not taught in this course.
  - If you experience any problems with your eLearning account, please visit for information about obtaining help <http://www.utdallas.edu/elearning/eLearningHelpdesk.html> or call the eLearning helpline at 866-588-3192 for assistance.
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### **Technical Support**

If you experience any problems with your UTD account you may send an email to: [assist@utdallas.edu](mailto:assist@utdallas.edu) or call the UTD Computer Helpdesk at 972-883-2911.

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*These descriptions and timelines are subject to change at the discretion of the Professor.*