

Syllabus for COMP 500

Discrete Structures

Term:	Fall 2016	Instructor:	Dan Couture
CRN:	15622	Office:	tbd
Time:	M 5:31pm - 8:30pm	Phone:	(603) 817-4356
Room:	Pandora (UNHM) P126	E-mail:	MathYourLife@gmail.com
Credit Hours:	4.0		

Office Hour: M 4:30 PM – 5:30 PM or by appointment

Text(s):

- [1] Kenneth Levasseur Alan Doerr, *Applied discrete structures*, http://faculty.uml.edu/klevasseur/ADS2_zips/ADS_V2-0.pdf, 2013.

Description: This course prepares students for understanding computational complexity; i.e., what makes a given task/problem hard and how hardness is measured. It accomplishes this through the study of algorithms, permutations, combinations, probability, graph theory, and trees.

Prerequisite(s): MATH 425

Homework: Homework assignments will be given out each week and due **at the start of our next class**. Assignments will include a combination of text problems and python programming. As noted below in the grading portion, demonstration of concept mastery is the key to higher grades. When completing assignments by hand, make sure to show your work so I can see that you understand the concept. When completing programming assignments, detailed comments should always accompany the source code.

Quizzes: Quizzes will be given in class, and announced at least one week in advance. Quizzes will be completed during the last portion of the class period.

Make-Up Policy: Since solutions to homework assignments will be discussed during class, **no late homework will be accepted**. To compensate, the lowest homework grade will be dropped when calculating the final grade. If you are unable to make class, make sure to email your assignment to me before the deadline.

Important Dates:

- Aug 29 - Classes begin
- Sep 5 - No class (Labor Day)
- Sep 9 - Last day to add or choose pass/fail
- Sep 30 - Last day to drop, change to pass/fail, withdraw
- Dec 12-17 - Finals Week

Final Exam: The final exam is a **comprehensive** exam.

Grading of Problems: Each problem given on homework, quizzes, and final exams are graded on a partial credit scale described below.

0	Empty or No demonstration of understanding of concept
1/5	Demonstrates Rudimentary Understanding of Concept
2/5 - 4/5	Partial credit depending on depth of knowledge displayed
5/5	Correct solution with work demonstrating knowledge of applied concept

This course syllabus provides a general plan for the course; deviations may be necessary.

Final Grades: A weighted average of the categories is combined to calculate your final grade as:

HW	60%
Quizes	25%
Final Exam	15%

where the mappings of number to letter grades follows:

90% to 100%	A
80% to 89%	B
70% to 79%	C
60% to 69%	D
< 60%	F

UNH Manchester Resources

Disability Accommodations: The University is committed to providing students with documented disabilities equal access to all university programs and facilities. If you think you have a disability requiring accommodations, you must register with the Disability Services Office. The Disability Services Coordinator is Jenessa Zurek (603) 641-4170, jenessa.zurek@unh.edu Room #410H.

The Early Alert System (EAS): The University is invested in the success of its students. If a faculty member is concerned about your academic behaviors and performance they may choose to utilize the University's Early Alert System. Alerts are geared towards informing students who are not making satisfactory progress and/or are exhibiting behaviors that may lead to academic difficulty, such as poor attendance or participation. The purpose of the alert is to provide you with feedback prior to mid-semester in an effort to encourage you to make decisions, and to seek out support that will facilitate in your academic success. All alerts are emailed to your student email account. Alerts are not part of your academic record. The intention of EAS is to inform you of your professors concerns, and to introduce you to some helpful resources. If you receive an Early Alert, it is strongly recommended that you contact your professor to discuss the alert and to utilize on-campus resources to proactively work toward academic success. If you have questions or concerns you can contact the Office of Student Development & Involvement, 641-4170, unhm.studentdevelopment@unh.edu

Center for Academic Enrichment: The Center for Academic Enrichment (CAE) is an on-campus resource where students have access to tutoring, workshops and other resources to strengthen academic skills. We also help maximize efficiency and effectiveness in their academic careers by addressing study strategies, time management, goal setting, motivation and organization among other skills. The CAE is located in the Learning Commons and can be reached at 641-4113. To view tutor schedules and make appointments, visit manchester.unh.edu/cae. For same-day appointments, call the CAE directly at 641-4113.

UNHM Security: Campus security officers are on duty during campus business hours. Campus security issues college ID's, coordinates campus parking and issues parking passes. Campus Security also coordinates the WalkSafe Service. This service is a walking escort service provided free of charge to members and visitors of the University community. They are located at the front entrance desk and can be reached for non-emergencies at 641-4101. The on-campus emergency number is 641-4333.