

# MATH 332

## Discrete Models

Meets 10:00-10:50, MTW, Black 203, Th, Bouillon 103

Course Philosophy	Course Content	Course Requirements
<p>In this course, we will learn problem-solving in the context of analysing discrete mathematical models</p>	<p>Week 1: Foundations, Newton's Root Finder, Fixed Points</p> <p>Week 2: Numerical Integration, Mathematical Induction</p>	<p><b>Quizzes</b></p> <p>Brief Quizzes will be given approximately once per week.</p> <p><b>Homework Notebooks</b></p> <p>Homework</p> <p>will be assigned almost every day; must be presented in an inexpensive PAPER folder, which will be collected two times during the quarter; must be presented in order of the <i>day of assignment</i> with "Day n" written in the upper right hand corner of the first page of that day's assignment; and must be complete, neat, and correct to receive full credit:</p>
<p><b>Student Outcomes</b></p>	<p>Week 3: Markov Chains</p>	<p>3 pts-complete, neat, work shown supports solutions</p>
<p>Students successfully completing Math 332 will demonstrate arithmetic operations and connections among content area via multiple representations.</p>	<p>Week 4: Markov Chains</p>	<p>2 pts-mostly complete, neat, work shown supports solutions</p> <p>1 pt-substantial content missing, not neatly presented, or work does not support</p>
<p><b>Instructor: Michael A. Lundin</b></p>	<p><b>Exam 1</b></p>	
<p>Central Washington University Department of Mathematics, 400 East 8th Avenue</p>	<p>Week 5: Graph Theory</p>	
	<p>Week 6: Graph Theory</p>	
	<p>Week 7: Linear Programming</p>	
	<p>Week 8: Dynamical Systems</p>	
	<p><b>Exam 2</b></p>	
	<p>Week 9: Dynamical Systems</p>	
	<p>Week 10:</p>	

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Room 108D

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### Office Hours

MTWThF 11:10-  
12:00

If you need to meet at any other time, please make an appointment with me. I use e-mail to avoid playing "phone tag."

Please talk to me if you need special accommodations due to a disability.

week 10.  
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**Final Exam:  
Time to be  
determined.**

solutions

0 pts-substantial  
missed work, not  
submitted

### Exams

There will be two mid-term exams and a final exam.

### Attendance, Missed Tests, Assignments

Class attendance is expected, and I will pass out a roll sheet every class day. (Class attendance is a reasonable predictor of grades in this course.) I expect tests to be taken on schedule and assignments to be completed the day after they are assigned. Correct them with feedback, and place them in your notebook in order of assignment day. *Assignments, quizzes, and tests may be made up **only** if the student and instructor agree on a time **before** a deadline.*

Assessments	Percent of Final Grade	Final Point Distribution	Final Grade
Written Homework	15%	93-100%	A
Quizzes	15%	90-92%	A-
2 Midterm Exams	40%	87-90%	B+
Final Exam	30%	83-86%	B
		80-82%	B-
		77-79%	C+
		73-76%	C
		70-72%	C-

67-69%	D+
63-66%	D
60-62%	D-
Below 60%	F