

Midterm 3 Announcement

Date and Time: 4/22 (Wed) at 7:00 pm - 8:00 pm

Format: 8 Multiple-choice questions

How to take the exam (please read carefully):

1. Log in Webassign (<https://www.webassign.net/uiuc/login.html>)
2. Complete the assignment "Midterm 3". The exam will be available at 7 pm on 4/22 and shut down at 8:10 pm. In order to avoid some technical issues, this additional 10 min is given. Please make sure to finish the exam no later than 8 pm.

Assignments					Resources	
Reschedule Assignments...					Reorder...	
[Past (30) Current/Recent (12) Future (5) All Assignments]					[Low Detail Medium High]	
Name					Category	Due
HW 1 (not for grade)	view	edit	schedule	scores	Homework	1-29-20 08:00 PM CST
HW 2	view	edit	schedule	scores	Homework	1-31-20 08:00 PM CST
HW 3	view	edit	schedule	scores	Homework	2-3-20 08:00 PM CST
HW 4	view	edit	schedule	scores	Homework	2-5-20 08:00 PM CST
HW 5	view	edit	schedule	scores	Homework	2-7-20 08:00 PM CST
HW 6	view	edit	schedule	scores	Homework	2-10-20 08:00 PM CST
HW 7	view	edit	schedule	scores	Homework	2-12-20 08:00 PM CST
HW 8	view	edit	schedule	scores	Homework	2-14-20 08:00 PM CST
HW 9	view	edit	schedule	scores	Homework	2-17-20 08:00 PM CST
Extra Practice Problems for Midterm 1	view	edit	schedule	scores	Homework	2-19-20 08:00 PM CST
HW 11	view	edit	schedule	scores	Homework	2-21-20 08:00 PM CST
HW 12	view	edit	schedule	scores	Homework	2-28-20 08:00 PM CST
HW 13	view	edit	schedule	scores	Homework	2-28-20 08:00 PM CST
HW 14	view	edit	schedule	scores	Homework	3-2-20 08:00 PM CST
HW 15	view	edit	schedule	scores	Homework	3-4-20 08:00 PM CST
HW 16	view	edit	schedule	scores	Homework	3-6-20 08:00 PM CST
HW 17	view	edit	schedule	scores	Homework	3-9-20 08:00 PM CDT
HW 18	view	edit	schedule	scores	Homework	3-11-20 08:00 PM CDT
HW 19	view	edit	schedule	scores	Homework	3-13-20 08:00 PM CDT
HW 20	view	edit	schedule	scores	Homework	3-23-20 08:00 PM CDT
HW 21	view	edit	schedule	scores	Homework	3-27-20 08:00 PM CDT
Practice Online Midterm 2	view	edit	schedule	scores	Exam	4-1-20 07:00 PM CDT
Practice problems for Midterm 2	view	edit	schedule	scores	Homework	4-1-20 08:00 PM CDT
Midterm 2 - Multiple Choice Questions	view	edit	schedule	scores	Exam	4-1-20 08:50 PM CDT
Midterm 2 - Free Response Questions	view	edit	schedule	scores	Exam	4-1-20 08:50 PM CDT
HW 22	view	edit	schedule	scores	Homework	4-3-20 08:00 PM CDT
HW 23	view	edit	schedule	scores	Homework	4-6-20 08:00 PM CDT
HW 24	view	edit	schedule	scores	Homework	4-8-20 08:00 PM CDT
HW 25	view	edit	schedule	scores	Homework	4-10-20 08:00 PM CDT
HW 26	view	edit	schedule	scores	Homework	4-13-20 08:00 PM CDT
HW 27	view	edit	schedule	scores	Homework	4-20-20 08:00 PM CDT
HW 28	view	edit	schedule	scores	Homework	4-22-20 08:00 PM CDT
Midterm 3	view	edit	schedule	scores	Exam	4-22-20 08:10 PM CDT
Test for Midterm 3	view	edit	schedule	scores	Exam	4-22-20 08:10 PM CDT
HW 29	view	edit	schedule	scores	Homework	4-24-20 08:00 PM CDT
Practice problems for Midterm 3	view	edit	schedule	scores	Homework	4-24-20 08:00 PM CDT
HW 30	view	edit	schedule	scores	Homework	4-29-20 08:00 PM CDT
HW 31	view	edit	schedule	scores	Homework	5-1-20 08:00 PM CDT
HW 32	view	edit	schedule	scores	Homework	5-4-20 08:00 PM CDT
HW 33	view	edit	schedule	scores	Homework	5-6-20 08:00 PM CDT
HW 34	view	edit	schedule	scores	Homework	5-8-20 08:00 PM CDT
HW 35	view	edit	schedule	scores	Homework	5-11-20 08:00 PM CDT
Practice problems for Final	view	edit	schedule	scores	Homework	5-13-20 08:00 PM CDT
Propagate						

3. Submission limit is 100 times. You have to submit your answer for each problem. If you once submit your response and change your choice without submitting the new choice, then you will see yellow boxes like below screenshot. In this case, you have to click "Revert to Last Response" and submit again, or submit your new choice by clicking "Submit Answer".

2. [Question Details](#) 1/100 Submissions Used [My Notes](#)

The third order differential equation

$$y''' + py'' + qy' + ry = 0$$

has the characteristic equation $(\lambda + 3)(\lambda^2 + 4\lambda + 8) = 0$. What is the general solution to the differential equation?

☐ None of these

☒ $C_1 e^{-3t} + C_2 e^{-2t} \cos(2t) + C_3 e^{-2t} \sin(2t)$

☐ $C_1 e^{-3t} + C_2 e^{-2t} + C_3 e^{2t}$

☐ $C_1 e^{-3t} + C_2 e^{2t} \cos(2t) + C_3 e^{2t} \sin(2t)$

☐ $C_1 e^{3t} + C_2 e^{-2t} \cos(2t) + C_3 e^{-2t} \sin(2t)$


[Submit Answer](#) [Viewing Saved Work](#) [Revert to Last Response](#)

4. The last response will be graded. Please make sure not to change your response after submitting answer.

5. After completing the exam, I STRONGLY RECOMMEND to PRINT your response by clicking "Print Assignment" (see below). You can either print it or save as a pdf file. This contains time stamp as well so that it could be used for the case when you have some submission trouble.

Midterm 2 - Multiple Choice Questions (Exam)

 Print Assignment

Current Score	Due Date
<p>QUESTION 1 2 3 4 5 6 7 8</p> <p></p>	<p>THU, APR 16, 2020</p> <p>9:38 PM CDT</p>
<p>Assignment Submission & Scoring</p> <p>Assignment Submission</p> <p>For this assignment, you submit answers by questions.</p> <p>Assignment Scoring</p> <p>Your last submission is used for your score.</p>	

6. Solutions will be available after the conflict exam (on 4/24 at 6-7 pm) is done.

7. I opened "Test for Midterm 3" on Webassign. You can use this to practice and be familiar with the exam format.

HW 23	view	edit	schedule	scores	Homework	4-8-20 08:00 PM CDT
HW 24	view	edit	schedule	scores	Homework	4-8-20 08:00 PM CDT
HW 25	view	edit	schedule	scores	Homework	4-10-20 08:00 PM CDT
HW 26	view	edit	schedule	scores	Homework	4-13-20 08:00 PM CDT
HW 27	view	edit	schedule	scores	Homework	4-20-20 08:00 PM CDT
HW 28	view	edit	schedule	scores	Homework	4-22-20 08:00 PM CDT
Midterm 3	view	edit	schedule	scores	Exam	4-22-20 08:10 PM CDT
Test for Midterm 3	view	edit	schedule	scores	Exam	4-22-20 08:10 PM CDT
HW 29	view	edit	schedule	scores	Homework	4-24-20 08:00 PM CDT
Practice problems for Midterm 3	view	edit	schedule	scores	Homework	4-24-20 08:00 PM CDT
HW 30	view	edit	schedule	scores	Homework	4-29-20 08:00 PM CDT
HW 31	view	edit	schedule	scores	Homework	5-1-20 08:00 PM CDT
HW 32	view	edit	schedule	scores	Homework	5-4-20 08:00 PM CDT
HW 33	view	edit	schedule	scores	Homework	5-6-20 08:00 PM CDT
HW 34	view	edit	schedule	scores	Homework	5-8-20 08:00 PM CDT
HW 35	view	edit	schedule	scores	Homework	5-11-20 08:00 PM CDT
Practice problems for Final	view	edit	schedule	scores	Homework	5-13-20 08:00 PM CDT
Propagate						

