

## MATH 320 Differential Equations, Section 1

Class Times: (M) W F, 11:00 – 11:50 DUC 350

Instructor: Daniel Harnett

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Office Hours: MT R 1:00 – 1:50, W 12:00 – 12:50; or by appt.

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### Course Description:

Introduction to ordinary differential equations of the first and second order; linear equations with constant coefficients; solution in series; numerical approximations; Laplace transforms; system of ordinary equations; selected applications.

### Required Materials:

1. **Text:** **A First Course in Differential Equations with Modeling Applications**, 10th Ed. by Zill.
2. **Calculator:** TI-83, TI-83+, TI-84, or TI-84+ recommended, not required.
3. **Computer access:** You are expected to have access to your UWSP email and Canvas account at UWSP. All major communications and course assignments will be through Canvas. You should be literate with computer spreadsheet programs (Excel or others).

**Attendance:** This is an online course with supplemental class meetings **two** days per week. From September 14 through November 20, the class will meet **Wednesday and Friday**. Due to University policy this semester, **you are totally free to attend or not on any day, for any reason**. Do not notify your instructor if you plan to attend or not. Class attendance will be taken each day – this is for public health reasons and is not related to any academic requirement. Monday is a scheduled class day, but usually there will be no meeting. There will generally be online activities due on Monday.

**Online Course Materials:** You will need to study from the Textbook (above) and materials placed on the Canvas website. You will receive instructions on which material you should cover each week. Whether you attend class or not, this is a 15-week course. You will need to do the same work as everyone else each week – it will NOT be possible to work ahead or to do everything in the final week.

**Homework:** There will be a written homework assignment almost every week. Assignments will be posted on the Canvas site for this class. The first Homework is due on Friday September 4. Homework on paper may be submitted in class on Friday, or you may submit images online through Canvas. Late homework will not be accepted without permission.

**Quizzes:** Starting September 14, there will be an online Quiz every Monday. These will be multiple-choice-type questions and are in the Canvas web site.

**Final Exam:** There will be a comprehensive Final Exam. It will be held online **Tuesday, December 15**.

### Grade Calculation:

Homework	60%
Quizzes	28%
<u>Comprehensive Final Exam</u>	<u>12%</u>
Total	100%

Grades for each assignment and exam will be recorded on your Canvas page. Questions about individual grades must be addressed within one week from the day the paper is returned to you.

The Canvas web site will record your scores, and the Canvas web site will also calculate your current grade. **Do Not Believe the Canvas Grades**. It calculates things in strange ways. You can believe the individual scores, but the current grade will not be correct until the end of the semester, after ALL items are in.

Your letter grade will be assigned based on the following scale:

A: 93-100%	A - : 90-92%	B+: 87-89%
B: 83-86%	B-: 80-82%	C+: 77-79%
C: 73-76%	C- : 70-72%	D+: 67-69%
D: 60-66%	F: 59 % or less	

The above table is a minimum guide, the instructor may make positive adjustments at the end of the semester.

**Help Available:**

MATH ROOM: Drop-in help and by appointment; A113 Science

INDIVIDUAL TUTORING: TLC

STUDY GROUPS: Meet with your peers on a regular basis; Free

INSTRUCTOR OFFICE HOURS: MT R, 1:00 or W at noon, see below.

**Instructor Office Hours:**

If you need to talk to your instructor, you can either (1) come to my office at the above times; or (2) email up to 24 hours before the listed hours, and I will set up a Zoom meeting. If you are unable to make the listed office hours, email your instructor. There will also be time right before and after regular class meetings.

**COVID-19 Provisions:**

Face Coverings:

At all UW-Stevens Point campus locations, the wearing of face coverings is mandatory in all buildings, including classrooms, laboratories, studios, and other instructional spaces. Any student with a condition that impacts their use of a face covering should contact the Disability and Assistive Technology Center to discuss accommodations in classes. Please note that unless everyone is wearing a face covering, in-person classes cannot take place. This is university policy and not up to the discretion of individual instructors. Failure to adhere to this requirement could result in formal withdrawal from the course.

Other Guidance

- a. Please monitor your own health each day. If you are not feeling well or believe you have been exposed to COVID-19, do not come to class; email your instructor and contact Student Health Service (715-346-4646).
- b. Maintain a minimum of 6 feet of physical distance from others whenever possible.
- c. Do not congregate in groups before or after class; stagger your arrival and departure from the classroom, lab, or meeting room.
- d. Wash your hands or use appropriate hand sanitizer regularly and avoid touching your face.
- e. Please maintain these same healthy practices outside the classroom.

**Academic Integrity:** You should be fully aware of your rights and responsibilities as a UWSP student. These are detailed in the UWSP Community Bill of Rights and Responsibilities found at <http://www.uwsp.edu/dos/Documents/CommunityRights.pdf>

Information regarding Section 504 of the Rehabilitation Act or the Americans with Disabilities Act can be found at the UWSP Disability and Assistive Technology Center site <http://www.uwsp.edu/dos/Pages/ADA.aspx>

**Religious Beliefs:** Students' sincerely held religious beliefs will be reasonably accommodated with respect to all examinations and other academic requirements. According to UWS 22.03, you must notify the instructor within the first three weeks of classes about specific dates which require accommodation. See the link below: <http://www.uwsp.edu/dos/Documents/CommunityRights.pdf>