MATH315: Differential Equations
Summer 2020
MTWThF 12:00-1:15 PM

Instructor: Jemin Shim
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Office Hours: M 2:30-4:00 Th 1:15-2:30 PM

Teaching Assistant: Joel Corser
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TA MLC Hours: MThF 1:00-5:00PM
TA Office Hours: MTh 5:00-6:00PM

Textbook (not required):
*Elementary Differential Equations*

Lecture notes will be provided in Blackboard and the textbook is optional.

Outline: Math 315 provides an introduction to the subject of ordinary differential equations and includes solution methods for first, second, and higher order linear differential equations. In addition, the course provides an introduction to the series solution of second order linear equations, the Laplace transform, and solution of systems of first order linear equations. The subject matter is drawn from chapters 1-7 of *Elementary Differential Equations*.

Grading: The course grade will be based on
- Written homework (best 10 of 12): 30%
- Two projects: 20% each
- Comprehensive Final Exam: 30%

SCALE: A 92, A- 90, B+ 87, B 82, B- 80, C+ 77, C 72, C- 70, D+ 67, D 60
In practice, the cutoffs for the grades may be lower than the above numbers, but they will not be higher.

Assignments: Assignments will be distributed and collected through Crowdmark which you can access from Blackboard ([www.learn.wsu.edu](http://www.learn.wsu.edu)). Assignments turned in after the due date will not be accepted, except in special circumstances.

Midterms and Final Exam: There will be two take-home midterms and one take-home comprehensive final exam. You will have 48 hours to complete tests. The dates of the test will be announced later.
Extra credit: Starting the second week, you can attend office hours for an hour to get 2 extra credit points per week.

Students with Disabilities: Reasonable accommodations are available for students with a documented disability. If you have a disability and need accommodations to fully participate in this class, please either visit or call the Access Center (Washington Building 217; 509-335-3417) to schedule an appointment with an Access Advisor. All accommodations MUST be approved through the Access Center.

WSU Safety Measures: Classroom and campus safety are of paramount importance at Washington State University, and are the shared responsibility of the entire campus population. WSU urges students to follow the “Alert, Assess, Act,” protocol for all types of emergencies and the “Run, Hide, Fight” response for an active shooter incident (url below). Remain ALERT (through direct observation or emergency notification), ASSESS your specific situation, and ACT in the most appropriate way to assure your own safety (and the safety of others if you are able). Please sign up for emergency alerts on your account at MyWSU. For more information on this subject, campus safety, and related topics, please view the FBIs “Run, Hide, Fight” video (https://oem.wsu.edu/emergency-procedures/active-shooter/) and visit the WSU safety portal (https://oem.wsu.edu/about-us/).

Academic Integrity: I encourage you to work with classmates on assignments. However, each student must turn in original work. No copying will be accepted. Students who violate WSU’s Standards of Conduct for Students will receive an F as a final grade in this course, will not have the option to withdraw from the course, and will be reported to the Office of the Dean of Students. Cheating is defined in the Standards for Student Conduct WAC 504-26-010 (3). It is strongly suggested that you read and understand these definitions: http://www.conduct.wsu.edu/Content/Documents/conduct/09-10

Accommodation for Religious Observances or Activities: Washington State University reasonably accommodates absences allowing for students to take holidays for reasons of faith or conscience or organized activities conducted under the auspices of a religious denomination, church, or religious organization. Reasonable accommodation requires the student to coordinate with the instructor on scheduling examinations or other activities necessary for course completion. Students requesting accommodation must provide written notification within the first two weeks of the beginning of the course and include specific dates for absences. Approved accommodations for absences will not adversely impact student grades. Absence from classes or examinations for religious reasons does not relieve students from responsibility for any part of the course work required during the period of absence. Students who feel they have been treated unfairly in terms of this accommodation may refer to Academic Regulation 104 – Academic Complaint Procedures.