

Course Information

Course Number: MAT 2680

Course Title: Differential Equations

Course Outline: Official [course outline](#) prepared by the Mathematics Department.

Course Description: Topics include methods of solving ordinary differential equations and applications to various problems.

Credits / Hours: 3

Section Number: OL78

Prerequisites: MAT 1575

Textbook: *Elementary Differential Equations*, Free Edition 1.01, William F. Trench, December 2013. The textbook is available to download for free (pdf) or in softcover format for a small fee. [To obtain the textbook click here.](#)

Online Spaces

- **OpenLab:** This website will be the online home for our class. The site contains important information about the course, and will be used in various ways throughout the semester. [Link to this OpenLab site.](#)
- **WeBWorK:** Much of the homework for this class will be completed through WeBWorK, an online homework system hosted by [Rederly](#). You can sign up for a free account on Rederly with your City Tech email. Once you have an account, you can join our course on Rederly by clicking the enrollment link below. [Rederly enrollment link.](#)
- **Zoom:** Synchronous classes will be held on Zoom. [Zoom link.](#)

Faculty Information

Professor Name:

- Jonas Reitz

Student Hours (office hours)/**Information:** For information about student hours, visit [Contact Info & Communications](#).

Contact Information

- Email: jreitz@citytech.cuny.edu
- Phone: 718-260-5380

Learning Outcomes

1. Classify differential equations.
2. Solve first and second order ordinary differential equations using various techniques.
3. Use numerical methods to approximate solutions, when appropriate.
4. Apply methods of solving differential equations to answer questions about various systems (such as mechanical or electrical)

Gen Ed Learning Outcomes

Students will be able to:

1. Gather, interpret, evaluate, and apply information discerningly from a variety of sources.
2. Understand and employ both quantitative and qualitative analysis to solve problems.
3. Employ scientific reasoning and logical thinking.
4. Communicate effectively.

Schedule

A detailed schedule of topics can be found on the [Schedule page](#).

Percent/Letter Grade conversion

A = 93.0 – 100

A- = 90.0 – 92.9

B+ = 87.0 – 89.9

B = 83.0 – 86.9

B- = 80.0 — 82.9

C+ = 77.0 — 79.9

C = 70.0 — 76.9

D = 60.0 — 69.9

F = 0 — 59.9

W = withdrawal up to 5/17/21 (WF after 5/17/21)

Grading Policy

The grading policy for the course appears on the [Grading Policy page](#).

Class Etiquette & Netiquette

Even though this class takes place online, you are expected to observe the same behavior that you would in a normal classroom. Bullying, talking down to others, and foul language will not be permitted. Be honest, be kind.

Attendance/Participation

Attendance and participation are required in this class and, since we are still fully online, requirements may be slightly different than you are used to in in-person classes. As a student in this class, you are expected to:

- Attend all synchronous (live, real-time) class activities.
- Complete all assignments and exams.
- Participate in online discussions.

If you find you are unable to complete any of the above, please let me know *as soon as possible*! These are extraordinary times - lets work together to keep the college functioning.

Academic Integrity Policy

Students and all others who work with information, ideas, texts, images, music, inventions and other intellectual property owe their audience and sources accuracy and honesty in using, crediting and citation of sources. As a community of intellectual and professional workers, the college recognizes its responsibility for providing instruction in information literacy and academic integrity, offering models of good practice, and responding vigilantly

and appropriately to infractions of academic integrity. Accordingly, academic dishonesty is prohibited in The City University of New York and is punishable by penalties, including failing grades, suspension and expulsion. More information about the College's policy on Academic Integrity may be found in the [College Catalog](#).

[Print this page](#)