

MA 214: Calculus IV, Section 004

Spring 2018

Instructor Information:

Instructor: Dr. erica j. Whitaker
Office: Patterson Office Tower 741 (POT 741)
Email: ewhitaker@uky.edu (The best way to reach me!)
Please include “Math 214” somewhere in the email.
Telephone: 859-257-6792
Office Hours: MWF 2:00 – 3:00, Tu 1:00 – 2:30 and by appointment
Other times available! Send an email or stop by my office.

Class Time and Location: T/Th 11:00 a.m. – 12:15 p.m., CB 214

Course Web Page: <http://www.ms.uky.edu/~ejwh226/Spring2018/MA214Home>

Textbook: *Notes on Diffy Qs: Differential Equations for Engineers* by Jiří Lebl, <http://www.jirka.org/diffyqs/diffyqs.pdf>. This book is freely available online, can be downloaded, or you can purchase a paperback copy from Amazon for about \$15. We tentatively expect to cover material from Chapters 1-3, 6 and 7, but not in that order. Some material will be omitted and some supplementary material may be added.

Grading: Your grade will be calculated out of 540 points, distributed as follows. Dates are tentative.

Quizzes (Jan 25, March 8, April 19)	30 each × 3
Exams (Feb 15 and March 29)	100 each × 2
Homework (including online, written and classwork)	100 total
Cumulative Final exam (Apr 30)	150

The final exam is **Monday April 30 from 10:30 a.m. – 12:30 p.m.** in the regular classroom.

Your overall letter grade will be based on the following percentages (rounded to the nearest whole percent):

A 90%-100% B 80%-89% C 70%-79% D 60%-69% E 0%-59%

Absences: If you will miss a quiz or exam, you must notify me *as soon as possible*. For homework and/or classwork, we will have a few drop grades so that missing an assignment or two won't adversely affect your grade. You may need to provide appropriate documentation; see Senate Rule 5.2.4.2 for more information about excused absences.

Calculator: We will have quizzes and exams that do not require a calculator. No calculators will be permitted during exams.

Homework: The homework will be both online and written, and may include a classwork component.

The **online** system is WeBWork, which is free to students. Deadlines will vary based on content, and will be posted on our course website, along with a link to the homework. Your login is your link blue ID (like ejwh226), and your initial password is your student number without the leading 9.

Written homework will be turned in about once a week. For written homework, you are encouraged to discuss assignments with other students, but your solutions must be written up independently. Copying a written solution from another student and submitting it as your own will be considered cheating. Please see the UK office of Academic Ombud Services website (www.uky.edu/Ombud) for information about plagiarism.

Academic Integrity: Don't cheat! It is an extremely serious offense. All students are expected to follow the academic integrity standards as explained in the University Senate Rules.

Disability Accommodations: If you have a documented disability that requires academic accommodations, please see me as soon as possible during scheduled office hours. In order to receive accommodations in this course, you must provide me with a Letter of Accommodation from the Disability Resource Center (725 Rose Street, Multidisciplinary Science Building, Suite 407, 859-257-2754, email address drc@uky.edu) for coordination of campus disability services available to students with disabilities.

Course Description (from the catalog)

MA 214 is a course in ordinary differential equations. Emphasis is on first and second order equations and applications. The course includes series solutions of second order equations and Laplace transform methods.