

MATH 105B: SPRING 2019
ADVANCED MATHEMATICS FOR SCIENCE AND ENGINEERING, II

Lectures:

Section 1:
Mondays, Wednesdays, and Fridays, 10-10:50am
Room 127, Library

Tuesdays, 10:30-11:20am
Room 127, Library

and

Section 2:
Mondays, Wednesdays, and Fridays, 12-1:15pm
Room 261, Amador Hall

Instructor:

Michael VanValkenburgh
Room 140, Brighton Hall
mjv@csus.edu
webpages.csus.edu/mjv
(916) 278-7075

Office Hours:
Mondays 9-10am, Tuesdays 12-1pm, Wednesdays 11am-noon, and Fridays
9-10am. Also by appointment. Please visit :)

Required Text: Kreyszig, *Advanced Engineering Mathematics*, Sac State Custom Edition, Copyright Year 2013. It is identical to the 10th Edition of the book, only with some chapters removed and in paperback, to make it slightly cheaper.

Topics Covered: Most of Chapters 5, 11, and 12. See the class webpage for a detailed lecture schedule.

Prerequisite: Math 105A

Grading Policy:

- 25% Homework, Quizzes, and Worksheets
- 15% Hour Exam 1
- 15% Hour Exam 2
- 15% Hour Exam 3
- 30% Cumulative Final Exam

Drop Policy: www.csus.edu/math/documents/policies/drop.pdf

Homework and Reading Assignments:

Homework: Details to come.

You are expected to read the relevant sections of the book, as listed on the class webpage.

You may do “preliminary work” with others (for example, you may give each other hints), but you are expected to write the detailed solutions on your own. If you get help from some source (including, but not limited to, a person or a website), you must clearly cite that source in your homework. Please do not share complete written solutions.

The best way to prepare for exams is to do the homework on your own.

Exams:

- Exam 1: Wednesday, February 13
- Exam 2: Monday, March 11
- Exam 3: Monday, April 22
- Final Exam:
 - Section 1: Tuesday, May 14, 8-10am
 - Section 2: Wednesday, May 15, 10:15am-12:15pm

Exam Protocol:

- You will need pencils/pens and erasers, nothing more. Keep all devices capable of communication turned off and out of sight. Calculators are not permitted.
- Solutions to each exam will be posted promptly after the administration of the exam. You are encouraged to look at the solutions while the exam is still fresh in your mind.
- The final exam will be cumulative, but extra emphasis will be given to material covered after the third exam.
- Do not make arrangements to leave campus prior to the final exam.

Accommodations:

If you have specific physical, psychiatric, or learning disabilities and require accommodations, please let me know early in the semester so that your learning needs may be appropriately met.

Absences:

You are held responsible for all work missed during absences. Late homework and make-up exams will only be allowed under rare circumstances, and, moreover, only with my explicit written consent.

Basic Needs Support:

If you are experiencing challenges in the area of food and/or stable housing, help is just a click, email or phone call away! Sacramento State offers basic needs support for students who are experiencing challenges in these areas. Please visit our Basic Needs website to learn more about your options and resources available. <https://www.csus.edu/basicneeds/>