

# *Advanced Linear Algebra (MATH-341-02) Spring 2023*

*Professor RALUCA FELTEA*

## *Course Syllabus*

FOR HOMEWORKS AND QUIZZES, YOU WILL USE WEBASSIGN.

### HOW TO ACCESS THE WEBASSIGN:

1. Go to [GetEnrolled.com](https://www.getenrolled.com)
2. Use the class key: RIT 92882365
3. The cost of this package including the eBook, HW and quizzes questions is 111\$.

Office: 08- 2274

Phone: 475-2524

Email: rxfsma@rit.edu

Office hours: W, F 1-2 pm on ZOOM or by appointment

URL: [MyCourses](#)

*Class location:* M, W, F 12:00-1:00 pm, GOL-2690

*Text:* Linear Algebra: A modern introduction by David Poole, 4<sup>th</sup> edition.

*Course description:* This course provides a further study of the fundamental concepts of linear algebra such as linear transformations, similarity, diagonalization, orthogonality, inner products, Gram-Schmidt, QR and SV decomposition, quadratic forms and various numerical techniques. Several applications of these ideas are also presented.

*Prerequisites:* MATH-241.

*Help:* Walk in, free tutoring by **Math Faculty and Math Majors** in COS Bates Study Center.

- Grading:*
- Three exams: 100 points each.
  - Final exam: 2 1/2 hours, cumulative: 130 points.
  - Quizzes (7): 10 points each.
  - Total: 500 points.

*Grades Guidelines:* **A: 93-100; A-: 89-92**  
**B+: 84 – 88; B: 81-83; B-: 78-80**  
**C+: 74 – 77; C: 71-73; C-: 67-70**  
**D: 55-66**  
**F: 54 and below**

*Homeworks:* Assigned on Fridays in Webassign (only for practice, no points given). **They are used for quizzes. Help for homeworks is available only at the office hours or by email.**

*Quizzes:* **Only from homeworks in Webassign, 15 min at the end of the class. On Fridays (Feb 3, Feb 10, Feb 17, March 10, April 7, April 14, April 28).**

*Exams:* **February 24, March 27, April 21. Show your work. Any good answer with no explanation will be graded with 0 points. Partial credit is available.**

*Technology in the classroom:* You are not allowed to use calculators for quizzes and exams. Turn off your cell phones during the class.

*Make-ups:* No make up exams or quizzes unless there is a medical or family emergency (email me about it).

*Note:* **No retakes of quizzes and exams are allowed. No make up quizzes and exams after the final exam day!!**

*MyCourses:* Used for posting grades, announcements, calendar, syllabus, class notes, Webassign information, OH Zoom ID.

*Early alerts:* It is important to respond to the early alerts.

*Behavior in class:* Be a good student! Come to class with the idea that you want to learn. Be involved in the lecture and **do not disturb your colleagues.**

*How to study:* Take good notes. Read them before doing the homework. Practice by doing the homework. Review and keep up with the material every week.

*Accommodations:* RIT is committed to providing reasonable accommodations to students with disabilities. If you need accommodations such as special seating, testing modifications, or note taking services due to a disability, please go to the Disability Services Office. It is located in the Eastman Building, Room 2342. If you receive accommodation approval, it is imperative that you see me during office hours so that we can work out whatever arrangement is necessary

*Academic Integrity Statement:* As an institution of higher learning, RIT expects students to behave honestly and ethically at all times, especially when submitting work for evaluation in conjunction with any course or degree requirement. The School of Math Sciences encourages all students to become familiar with the RIT Honor Code and with RIT's Academic Honesty Policy.