

# Course Policy Statement, Fall 2018

Math 2114-Introduction to Linear Algebra  
CRN: 85772 (3:30 PM - 4:45 PM TR in RAND 221)

## Instructor Information:

**Instructor:** Dr. Mohebujjaman **Email:** jaman@vt.edu **Office:** 422 McBryde Hall  
**Office Phone:** (540) 231-6575 **Office Hours:** TuWTh: 2:00 -3:00 PM or by appointment.

## Course Description and Prerequisites:

Vector and matrix algebra, systems of linear equations, linear independence, bases, orthonormal bases, rank, linear transformations, diagonalization, implementation with contemporary software. Math 1226 or a grade of at least B in Math 1225.

## Course Material:

**Text:** Linear Algebra A Modern Introduction, 4<sup>th</sup> Edition David Poole with WebAssign.

A second eBook Ron Larson, *Elementary Linear Algebra 8th edition*.

You can purchase the text or the eBook version and access to WebAssign (an online homework system) at the VT bookstore or directly from Cengage where two options are available: Option 1: eBook and homework access. Option 2: Bundle: contains eBook and homework access plus a loose leaf version of the Poole text. For more information see the microsite prepared for Math 2114 by Cengage.

**Software:** MATLAB is required for this course. MATLAB is available for use on the computers in the following classrooms/labs: Math Emporium, Torgersen 1010, Torgersen 1080, Torgersen 3250 (Bridge), Randolph 114E, ArchAnnex 1, Saunders 101, Newman Library Public Computers, GLC 40, Litton-Reaves 1370, The GLC room is restricted to graduate students. Newman Library Public machines are available during library hours. Engineering students will have MATLAB in their software bundle.

**Calculator:** No calculators or the use of other electronic devices will be allowed during quizzes or exams.

**Course Resources:** All course related materials and announcements will be posted on the MATH 2114-85772 Canvas site.

## Grading:

**Homework:** Traditional homework and WebAssign will be posted during classes. WebAssign homework will be graded automatically. Sometimes I will give you individual homework and other times group homework for traditional homework. For individual homework, you are not allowed to discuss with any other person. Every group should have 2-3 people. Each group will turn in a single workout and you can only discuss with your group members. I will grade randomly some problems from the traditional homework. For homework problems you are allowed to use calculator.

**Quizzes:** In some week, I will give you in class quiz before the end of the class. Quiz length will be 10-15 minutes. The quiz can be multiple choice question (MCQ) format or free response type.

**Exams:** Three exams will be given during the semester as well as a comprehensive final exam that includes a Common Time Exam (CTE).

### Tentative Exam Dates:

Exam 1: Thursday, September 20, Exam 2: Thursday, October 25, Exam 3: Thursday, November 29

The final exam is scheduled for Tuesday, December 11 from 7:00-9:00 PM.

### Determination of Final Grade:

The three in-class exams contributed to 60%(=20%+20%+20%) and the Final exam 20% (common time + instructor). Quizzes: 7%, Homeworks : 8% and WebAssign homework: 5%.

Calculate your score:  $0.2 \times (\text{Exam 1} + \text{Exam 2} + \text{Exam 3}) + 0.2 \times \text{Final Exam} + 0.07 \times (\text{Avg Quiz score}) + 0.08 \times (\text{Avg Homework score}) + 0.05 \times (\text{Avg WebAssign score})$

The conversion of numerical to letter grades will be as follows:

$A : [93, 100]$ ,  $A^- : [90, 93)$ ,  $B^+ : [87, 90)$ ,  $B : [83, 87)$ ,  $B^- : [80, 83)$ ,  $C^+ : [77, 80)$ ,  $C : [73, 77)$ ,  $C^- : [70, 73)$ ,  $D^+ : [67, 70)$ ,  $D : [63, 67)$ ,  $D^- : [60, 63)$ ,  $F : [0, 60)$

**Make-Up Exams:** No make-up exams will be given. If you miss an exam, your score will be zero unless the reasons for your absence are serious, unavoidable and beyond your control. In this case, contact the instructor as soon as possible, and no later than 36 hours after the exam was taken. The instructor will decide how to handle this exam after discussion with you.

## Academic Integrity:

The Undergraduate Honor Code pledge that each member of the university community agrees to abide by states: 'As a Hokie, I will conduct myself with honor and integrity at all

times. I will not lie, cheat, or steal, nor will I accept the actions of those who do'. Students enrolled in this course are responsible for abiding by the Undergraduate Honor Code. A student who has doubts about how the Honor Code applies to any assignment is responsible for obtaining specific guidance from the course instructor before submitting the assignment for evaluation. Ignorance of the rules does not exclude any member of the university community from the requirements and expectations of the Honor Code. For additional information about the Honor Code, please visit: <https://www.honorsystem.vt.edu/>

## **Attendance**

Attendance will be taken each class period. Students are expected to attend every class meeting and to arrive on time. To be considered present, a student must be in class and working until dismissed. Each student must personally sign the attendance sheet each lecture class period for attendance credit. Attendance is a requirement for receiving credit on homework/quiz assignments. An absence, due to a University sponsored activity, will not be counted toward the quiz policy provided that written verification from a coach or University sponsor is sent to me. If a student is absent from class, he/she is responsible for all material, announcements and assignments missed.

## **Accommodations:**

If you are a student with special needs or circumstances, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please meet with me during office hours or schedule an appointment for another time. There is more information for Students with Disabilities at <http://www.ssd.vt.edu/>.

## **General Course Policies**

- No cell phones or other electronic devices will be allowed on your person during quizzes or exams.
- Be respectful of yourself, and others in the course.
- While explaining, you should not talk to anyone in class except me.
- Feel free to ask me any question in class or outside of class.

## **Uploading and Distributing**

Notes, assignments, quizzes, tests, exams, solutions, and other materials distributed to or generated in this class are intended for use only by students enrolled in this crn this semester. Without the teacher's written permission, no one may show, give, or otherwise make such class materials available to anyone not enrolled in this crn this semester. Prohibited activities include, but are not limited to, uploading a test, uploading solutions to problems, and submitting such class materials for online posting. The prohibition on sharing solutions applies to all solutions, regardless of who wrote the solutions.