MATH 311: Linear algebra
Course Outline (2018-09)

Instructor

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office hours Mon 11am - 12pm; Tue 1pm- 2pm; or after class most days, or by appointment

Course Topics

prerequisites MATH 110 or 211 (matrix algebra) and MATH 212 (intro abstract algebra)

topics vector spaces, subspaces, linear transformations, spectral theorem, canonical forms

Resources

textbook S. Friedberg, A. Insell and L. Spence, "Linear algebra", 4th edition.

> The textbook is self-contained. Most sections include some of the matrix theory done in 110 or 211 as well as deeper abstract and theoretical material. The emphasis of this course is on these abstract and theoretical aspects. The appendices include some of the relevant material from 212.

course webpage https://www.math.uvic.ca/courses/2018f/math311/a01/index.html

Evaluation and Grading

Approximately 5 homework assignments will be given, roughly equally spaced. Two term tests will be held in class; the dates are Oct 17 and Nov 28. There will be a three hour final examination scheduled during the December exam period.

The relative weighting of these assessments toward the final grade is as follows.

Homework	$5 \times 6\% = 30\%$
Term tests	$2 \times 15\% = 30\%$
Final exam	40%

Percentage scores are converted to letter grades using the standard UVic table:
https://web.uvic.ca/calendar2018-09/undergrad/info/regulations/grading.html.

Course policies

You will seldom need a calculator in this course. If you use one on a test or exam, it must be the standard Sharp EL-510R/RN/RNB.

Please submit homework before the start of class on its due date.

Late homework requires a note from a doctor or academic official. In the event of an excused delay of more than two days, homework can be submitted for feedback, but having credit substituted with the overall class grade on other work. A similar arrangement applies for an excused absence from one of the in-class tests. In any case, your final examination cannot count for more than 60% of your course grade. If you miss too much term work, you are advised to withdraw from the course since you may receive a grade of 'N'.

You are expected to be available for the final examination. In particular, do not book travel until your exam schedule is known. Absence from the final examination results in a grade of 'N'.

Discussing problems (including assigned homework problems) with classmates is a useful and mathematically healthy practice. However, when it comes time to finalize your solutions for submission, you must work independently and write solutions in your own words. You may NOT copy homework solutions from someone else's work.

Other important remarks and policies on topics such as attendance, academic integrity, and excused deferrals can be found on the Mathematics and Statistics course policies page. A link to this exists at the Mathematics and Statistics undergraduate information page: `www.uvic.ca/science/math-statistics/current-students/undergraduate/`.

Course experience survey

Near the end of term, as in all other courses at UVic, you will have the opportunity to complete an anonymous survey regarding your learning experience. When it is time for you to complete the survey, you will receive an email inviting you to do so. Please be thinking about this important activity during the course.