| MATH 311 | Topics in Applied Mathematics I | Spring 2015 |
|---|---|---|
| Sections 502,503 | Linear Algebra and Vector Analysis | P. Yasskin |

**Syllabus**

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| INSTRUCTOR: | Dr. Philip B. Yasskin |
| OFFICE: | Blocker 620 I |
| OFFICE HOURS: | M 3:00-4:00 & W 2:00-3:00 in BLOC 620 I or by appointment |
| OFFICE PHONE: | 845-3734 |
| MESSAGES: | 845-3261    LEAVE YOUR PHONE NUMBER! |
| E-MAIL: | yasskin@math.tamu.edu    GIVE YOUR PHONE NUMBER! |
| Web Page: | http://www.math.tamu.edu/~yasskin/ |
| LECTURE: | 502: TR 12:45-2:00    BLOC 163 |
| | 503: TR  2:20-3:35    BLOC 163 |
| TEXT: | *Mathematics-Topics on Applied Math I*    S. Leon & S. Colley |
| | ISBN-13:  978-1-256-98369-9 |

| GRADING: | POINTS: | DATES: |
|---|---|---|
| EXAM 1 | 100 | Feb 17 |
| EXAM 2 | 100 | Mar 12 |
| EXAM 3 | 100 | Apr 28 |
| FINAL EXAM | 200 | Tue  5/12   BLOC 163 |
| | | 502: 8:00-10:00    503: 1:00-3:00 |
| HW/Quiz | 100 | |
| TOTAL | 600 | |

I may *curve* any grade or the total and will then compute the course grade from the following table:

| | | |
|---|---|---|
| A=  540-600 points | C=  420-479 points | F=  0 -359 points |
| B=  480-539 points | D=  360-419 points | |

* ADDITIONAL INFORMATION: See the Math Department 311 Home Page
   http://www.math.tamu.edu/courses/math311/   for information on Help Sessions, etc.

* CATALOG DESCRIPTION: 311. Systems of linear equations, matrices, determinants, vector spaces, linear transformations, eigenvalues and eigenvectors, diagonalization, inner product spaces, orthogonal functions; vector analysis, including gradient, divergence, curl, line and surface integrals, Gauss', Green's and Stokes' theorems. Prerequisites: MATH 221, MATH 251, or MATH 253; MATH 308 or concurrent enrollment; junior or senior classification or approval of instructor. Credit will not be given for more than one of MATH 304, MATH 309, MATH 311, and MATH 323.

* COURSE OBJECTIVES: This course covers LinearAlgebra and continues the study of Vector Analysis started in Calculus 3.

OTHER POLICIES

**1**. HOMEWORK will be collected in lecture. Some problems will be graded. Late homework will be accepted up to one class period late but will lose 50% credit and may not be returned in time to study for exams. QUIZZES may be given in lecture and may not be announced. There will be NO make-ups for QUIZZES. Each HOMEWORK and QUIZ will count equally. The lowest two homework or quiz grades will be dropped. The remaining grades will be averaged and then rescaled to 100 points.

**2**. MAKE-UPS for MAJOR EXAMS will be given only in case of an absence authorized under University Regulations. You will need a note from your doctor or your academic dean's office. If you know in advance that you will miss an exam, please contact me so that you can take the make-up in advance. If you email me, *be sure to include your phone number*.

**3**. ATTENDANCE is REQUIRED. Attendance will be taken. If you sign the roll sheet, you are expected to remain in the classroom for the entire 75 minutes. More than 2 absences may have a detrimental effect on your grade especially in borderline cases.

**4**. You may be asked to provide SCANTRONS and/or BLUE BOOKS. You must have your ID with you at all exams. You MAY use a simple CALCULATOR during exams but NO PROGRAMMABLE, GRAPHICS or ALGEBRAIC CALCULATORS; NO PHONES or TABLETS and NO LAPTOP COMPUTERS.

**5**. © COPYRIGHT Philip B. Yasskin 2015. All material handed out or written on the board or spoken in class or posted on a computer is copyrighted by the instructor. This includes but is not limited to syllabi, homework, quizzes, labs, additional problem sets, class notes, in-class materials and exams. Because these are copyrighted, neither you nor anyone else has the right to copy them unless I expressly grant permission.

**6**. ACADEMIC INTEGRITY STATEMENT: "An Aggie does not lie, cheat, or steal or tolerate those who do." Copying work done by another, either in-class or out of class, and passing it off as one's own, even with permission of that person, is an act of scholastic dishonesty and will be prosecuted to the full extent allowed by University policy. Collaboration on assignments, either in-class or out-of-class, is forbidden unless permission to do so is granted by your instructor. Typing notes/formulas into your calculator is also considered cheating. For more information on university policies regarding scholastic dishonesty, see Honor Council Rules and Procedures at http://aggiehonor.tamu.edu/

**7**. ADA POLICY STATEMENT: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Disability Services Office, in Room B116 of Cain Hall or call 862-4570. For additional information visit http://disability.tamu.edu.