STUDENT SYLLABUS Computation Linear Algebra Spring 10

WEB PAGE: http://www.math.fsu.edu/∼bellenot/class/s10/cla

MEETING TIMES: MW 3:35-4:50 106 LOV

INSTRUCTOR Dr Steven Bellenot

OFFICE 223 Love

LAB OFFICE HOURS TBA in computer classroom 107 MCH

OFFICE HOURS MW2-3:20 or by appointment

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ELIGIBILITY: The prerequisites are Multivariable Calculus, MAC2313; and Ordinary Differential Equations, either MAP2303 or MAP3305.

TEXT: Lay, Linear Algebra; also two free on-line textbooks are used in this class.

CALCULATOR: No calculators or other electronic devices are allowed on the exam or quizzes. But at least one exam will be in a computer classroom using scilab.

COURSE OBJECTIVES: This is a new linear algebra course. The nearest similar course is Univ of Florida's MAS 3114 Compuational Linear Algebra Math majors are required to take MAS 3105 Applied Linear Algebra I.

ATTENDANCE: Attendance and class participation will be factors in determining the final grade. No food or drinks are allowed in the classroom. Please turn off cell phones and keep them hiden during class. It is considered rude and unacceptable to leave class early, students leaving early will be penaltized.

COMMUNICATION: It is your responsibility to register for a (free) FSU computer account so that I can send you email, which you are expected to check regularly. If you prefer to read your email elsewhere then you can arrange to have messages forwarded, but you must still obtain an FSU account in the first instance.

GRADING/EXAMS: Grades are based on the usual 90% A, 80% B, 70% C, 60% D system. Plus/minus letter grades may be assigned (so a 72.5% could be a C-). A grade of I will not be given to avoid a grade of F nor to give additional study time. There will be 2 tests (20% each) and a final (30%). There will also be homeworks and projects. Your grade will be based on how well you do on the tests (70%) and the homework and projects (30%).

Test Dates: Feb 24, Apr 7 Final Date: Wed 28 April 12:30-2:30

EXAM POLICY: No makeup tests will be given. Late or unstapled assigments will not be normally be accepted. A missed test may be excused if the student presents sufficient verifiable evidence of extenuation circumstances. And unexcused absence from a test will be penalized. If a test absence is excused, then either the final score, or at the instructors discretion, an oral make-up test might be given. An unexcused missed assignment will result in a grade of zero. Absences from tests or missing assignments due to family social events will not be excused. Acceptable medical excuses must state explicitly that the student should be excused from class. Students must bring FSU ID cards to all tests.

HOMEWORK: The list of homework problems will be maintained on the class web site. Email will be sent to the class whenever the list is updated. Some class days students will present problems and on others the homework will be collected. The will also be a few on-line homework problems per week. Most students will find that the amount of assigned homework is too small to provide enough practice to become proficient in the material. Please do additional problems as needed.

COMPUTER ASSISTED INSTRUCTION: All computer assignments are due 5 pm; every effort will be made to ensure on-line hw problems are always available. However, the time limits will not be changed, even if networks problems occur and the problems are not available.

HELP: There is wealth of information on our web pages, be sure to check them before emailing me. (If the answer is on our web pages, I will not give the answer by email.) Sorry, I will only compute your grade once at the end of the semester; but all grades are on-line and you can compute own grade at any time. Do not hesitate to come to my office hours, or to contact me via email. For debugging scilab, please sent the input and the output and error messages as text. (Please – no html formated email, send text only. For files with graphics, I will look at PDF files but not word .doc files) All projects must be turned in in hard copy.

- Lab Format. Early problems are on-line; later problems require hardcopy. The hardcopy needs to be your **OWN** work, written in clear English. Neatly typed or writtin in ink on one side of standard 8.5 by 11 paper. Multiple pages must be stapled and **NOT** dog-eared or paper clipped. **Labs with a paper clip or with dog-eared pages will recieve a zero score.** You are expected to edit scilab output. There should be no false starts, nor unneeded output. Discussion about the lab or homework problems with other students or the professor is permissible and even encouraged, but the final output needs to be uniquely yours and not obtained be copying from anothers solution. All labs must be submitted in hardcopy. No electronic copies will be accepted. (But if you are having problems with graphics, I will look at a PDF file.)

- Honor code: A copy of the University Academic Honor Code can be found in the current Student Handbook. You are bound by this in all of your academic work. It is based on the premise that each student has the responsibility 1) to uphold the highest standards of academic integrity in the student's own work, 2) to refuse to tolerate violations of academic integrity in the University community, and 3) to foster a high sense of integrity and social responsibility on the part of the University community. You have successfully completed many mathematics courses and know that on a "test" you may not give or receive any help from a person or written material except as specifically designed acceptable. Out of class you are encouraged to work together on assignments but plagiarizing of the work of others or study manuals is academically dishonest.

- ADA statement: Students with disabilities needing academic accommodations should: 1) register with and provide documentation to the Student Disability Resource Center (SDRC); 2) bring a letter to the instructor from SDRC indicating you need academic accommodations. This should be done within the first week of class. This and other class materials are available in alternative format upon request.