AMS 210.02/Fall 2005
Applied Linear Algebra

Class Time and Location:
Tuesday, Thursday
12:50pm – 2:10pm
Physics P118

Course Instructor: Yan Yu
Office hours: Wednesday 1:00pm - 3:00pm
Office: Math Tower 1-104
Email: yan2000@ams.sunysb.edu
Course Website: www.ams.sunysb.edu/~yan2000/ams210_f2005.html

Using Blackboard:
Access to our class's on-line Blackboard site:

You can access class information on-line at: http://blackboard.sunysb.edu If you used Blackboard during the 2003-2004 Academic Year and/or Summer 2004, your login information (Username and Password) has not changed. If you have never used Stony Brook's Blackboard system, your initial password is your SOLAR ID# and your username is the same as your Stony Brook (sparky) username, which is generally your first initial and the first 7 letters of your last name.

For help or more information see: http://www.sinc.sunysb.edu/helpdesk/docs/blackboard/bbstudent.php For problems logging in, go to the helpdesk in the Main Library SINC Site or the Union SINC Site, you can also call: 631-632-9602 or e-mail: helpme@ic.sunysb.edu

Teaching Assistants:

Julia Yang    office hour: Tuesday 4:00-5:00pm    Harriman 010
email: julia.zhe.yang@gmail.com

Aleen Sevadjian  office hour: Monday 1:00-2:00pm    Harriman 010
email: sevadj@aol.com


Tentative Topics:
1. Linear Equations in Linear Algebra
2. Matrix Algebra
3. Determinants
4. Vector Spaces
5. Eigenvalues and Eigenvectors
6. Orthogonality and Least Squares
7. Symmetric Matrices and Quadratic Forms

**Homework:**
Homework assignments will count for 20% of your final grade in the course. These homework assignments will be given weekly. In addition, the lowest homework grade will be dropped. Do not be afraid if homework look difficult...exams are generally easier. These homework are meant to prepare you for the examinations. It is therefore essential that you try to do them all!

*Late Homework Policy:*
NO LATE homework will be accepted.

**Grade Policy:**
Homework (weekly) 20%, Midterm 40%, Final 40%.

**Exam Dates:**
Midterm (tentative): Thursday October 20th, during class time, in Physics P118.
Final: TBA

All the exams will be in a “closed book, closed notes” format, but you will be able to bring a **handwritten** “cheat sheet” to your final exam.

**Cheating Policy:**
Cheating, to any degree, will result in an automatic failure of the course. Furthermore, a letter will be added to your permanent file with the University. Your best bet is to work hard for the course and make use of office hours. I welcome all your questions and will be willing to help as much as I can. Your attendance and interest in the course will be reflected in your final grade.

There are no excuses – and really no reasons – for cheating.

Remember: your instructor and your TAs are here to help you with any difficulties you may encounter over the course of the semester.

**Disability Policy:**
If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Disability Support Services, ECC (Educational Communications Center) Building, room 128, (631) 632-6748. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential. Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services. For procedures and information, go to the following web site: http://www.ehs.sunysb.edu/fire/disabilities.asp