

# Lab Syllabus for MATH 526, Spring 2015

## UNIVERSITY OF SOUTH CAROLINA

Department of Mathematics

Instructor: Toby Sanders(Lab TA for Prof. Xiaofeng Yang)

Office Hours: TBD

Office: LC 123B

Email: sanderTL@mailbox.sc.edu

Class Meetings: LC 303A, W 9:40AM-10:30AM (001), W 10:50AM-11:40AM (002).

### OVERVIEW

The weekly lab meetings are designed with (at least) two purposes (i) to provide hands-on activities that will further your understanding of numerical linear algebra and (ii) to provide an introduction to and instruction in the use of modern computer software (MATLAB).

### STUDENT LEARNING OUTCOMES

Upon successful completion of the course, students are expected to gain the foundational skills needed for working in MATLAB and should be able to use these skills for solving basic problems in numerical linear algebra.

### LAB MATERIALS

All lab handouts will be posted each week on my webpage at the following link: <http://www.toby-sanders.com/#!/MATH-526/cu1h>. The assignments will be updated weekly.

### PRINTING IN THE LABS

Students in the labs will receive \$7.50 of free printing in the Leconte labs for the semester. Each printed page is worth \$0.05, so that you have 150 pages of free printing. You can check your current balance by clicking on the \$ icon at the bottom right corner of the screen.

### GRADING

Your lab grade will be based on weekly assignments, two quizzes, and class participation/attendance. The weekly assignments are worth 55% of your grade. The quizzes are each worth 15% of your grade, for a total of 30%. The participation and attendance grade covers the remaining of the 15% of the lab grade.

## **ATTENDANCE AND PARTICIPATION**

Students are expected to attend every class. The instructor reserves the right to exact a grade penalty for students whose absences are in excess of 10 percent of the scheduled class sessions, whether excused or unexcused. If a student misses a class, he or she is expected to catch up on the material covered, in order to be prepared for the next class meeting.

In class participation is counted towards the attendance grade. Students are expected to listen and occasionally engage in the labs. Whenever in class work is given, students should be working only on the work assigned. Since computers and the internet are available in the class, students should remain disciplined and use these resources only towards work devoted to this class until the lab is complete. Any misconduct with these stipulations will be counted as half an absence for that lab and a full absence for multiple incidents.

## **ACADEMIC HONESTY**

Cheating and plagiarism will not be tolerated in the labs. You may engage in informal discussion about lab assignments with others, but do not copy work from another student, from a book, or from the Internet. Violations of this policy will be dealt with according to University guidelines. You can find the University Honor Code at <http://www.sc.edu/academicintegrity/>

## **HOMEWORK POLICIES**

Each week, you will be given a new assignment at the end of lab, which will be due at the very beginning of the next class. A hard copy of late assignments may be turned in after the assignment is due and a 50% deduction will be placed on the grade.