STUDENT SYLLABUS MAT 4931–03 Spring 2004

WEB PAGE: http://www.math.fsu.edu/∼bellenot/class/s04/sci

MEETS: TR9:30-10:45 302 MCH

INSTRUCTOR Dr Steven Bellenot

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OFFICE HOURS MW 12:30-1:10 T 1-1:45; or by appointment
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ELIGIBILITY. Permission of the instructor. This is neither a programming course nor a theoretic math course, but a student should have both experience in each. For example enough computer science to know that bubble sort isn't a fast sorting algorithm and enough mathematics to know what it means to be a solution to a differential equation and to understand "eigenvalue concepts".

TEXT. None but several books are recommended.

COURSE CONTENT. A rather ad-hoc collection of topics. This is a — a jack of all trades, master of none — sort of class.

COURSE OBJECTIVES. The purpose of this course is to introduce students to a wide range of command line tools and techniques that a working scientist should know. The choice of tools here are for the mathematically experienced.

ATTENDANCE. Attendance and class participation will be factors in determining the final grade. No food or drinks are allowed in the classroom.

GRADING. Grading is based on the easy going 85% A, 70% B, 55% C, 40% D system. There will be NO tests. Roughly 20% of your grade will be a project and the and the rest will be labs done mostly in class.

PROJECTS. Each student will do a project on a pre-approved topic. The project's grade will be determined on both the many page document (at least 5 and usually 10-20) and the in class oral presentation. Presentations are the last week and a half of classes. The project is 20% of your grade.

LABWORK. The remaining 80% of your grade will be determined by lab problems. Lab problems will be started at the beginning of class and (hopefully) can be completed in the class time. The actual write up is not due until 3pm the next day. Neatness and clearity presentation are important. The lowest lab score will be dropped. Late work is not accepted without prior approval.

LABWORK RULES. Your **OWN** work, written in clear English. Usually printed, but neatly typed or writtin in ink on one side of standard 8.5 by 11 paper is also acceptable. Multiple pages must be stapled and **NOT** dog-eared or paper clipped. Discussion about the problems with other students or the professor is permissible, but the final output needs to be uniquely yours.

HONOR CODE. The Academic Honor System of The Florida State University 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. Please note that violations of this Academic Honor System will not be tolerated in this class. Specifically, incidents of plagiarism of any type or referring to any unauthorized material during examinations will be rigorously pursued by this instructor. Before submitting any work for this class, please read the "Academic Honor System" in its entirety (as found in the FSU General Bulletin and in the FSU Student Handbook and ask the instructor to clarify any of its expectations that you do no understand.

AMERICAN DISABILITIES ACT. 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.