

STUDENT SYLLABUS

MAA 5932–01

Fall 2009

- Web Page: <http://www.math.fsu.edu/~bellenot/class/f09/fun>
- Professor: Dr. Steven Bellenot, 223 Love, 644-7405, email: bellenot@math.fsu.edu
- Class schedule: MWF 2:30-3:20 104 Love
- Office Hours MW 3:30-4:30, W1:30-2:20 or by appointment

ELIGIBILITY. A modern analysis course such as Advanced Calculus and Linear Algebra such as MAS 3105 Applied Linear Algebra I.

TEXTS.

- Jordan, *Linear Operators for Quantum Mechanics*. Only \$9.56 at Amazon; This will be the primary source; note that it is from a Physics viewpoint.
- Helmbert, *Introduction to Spectral Theory in Hilbert Space*. Only \$17.12 at Amazon

COURSE CONTENT. Our goals include spectral theory of nice operators on Hilbert space and proving existence, uniqueness and continuity with respect to data for Differential operators.

COURSE OBJECTIVES. Our goals include developing the spectral theory of nice operators on Hilbert space and proving existence, uniqueness and continuity with respect to data for Differential operators.

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 hidden during class.

GRADING. Graded like a topics course in the sense that a regular member of audience earns a B grade; an A grade requires a subjective amount of participation. Plus and minus grades maybe given.

EXAM POLICY. No tests or quizzes or finals will be given.

HOMEWORK. The list of optional 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. Late homework is not accepted, except when approved in advance.

HOMEWORK RULES. Your **OWN** work, written in clear English. Neatly typed or written in ink on one side of standard 8.5 by 11 paper. Multiple pages must be stapled and **NOT** dog-eared or paper clipped. Discussion about the homework 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 not 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.