


MTG6402 – Ergodic Theory and Dynamical Systems II – Spring, 2015

Publications & CV

Colloquium, Spring 2015

- Information for Colloquium and Seminar Hosts

- Information for Colloquium Speakers

- Speaker Request Form

- Visitor Information Form

Center for Applied Math

Colloquium, Fall 2014

MTG6401 – Ergodic Theory and Dynamical Systems I — Fall, 2014
MAD6406 – Numerical Linear Algebra — Fall, 2014

- MAD6406 Homework

- Numerical Linear Algebra Exam Resources

MTG6402 – Ergodic Theory and Dynamical Systems II – Spring, 2015

Time and Location: MWF period 5, Little Hall, Rm 221

Office Hours : MWF period 7, and by appointment made 24 hours in advance.

Note on Email: I often check my email just in the early afternoons on weekdays. So if you need a reply by a certain time, plan ahead accordingly.

Text: Class notes. Good sources are P. Walters, *An Introduction to Ergodic Theory* and K. Petersen, *Ergodic Theory*

Prerequisites: MTG 5317 or MTG6401 or consent of instructor

Brief Course Description: Measure preserving maps, Ergodic Theorems, metric entropy, measures on subshifts of finite type, Lyapunov exponents. The course is more or less independent of MTG6401 and can be taken even if you didn't take that.

Grades: Grades will be based on a mixture of homework, exams, class participation and projects based on the students requirements.

Honor Code: In this course authorized aid on homework consists of talking to me, other students, and looking at the notes for this course. This means that you are not allowed to look in other books for solutions to the homework or at the written solutions of other students.

Class Attendance: Most students benefit a great deal from attending class regularly. Arriving late and/or leaving early, reading the newspaper, looking at your cell phone, etc. disrupts the class and is rude and unprofessional.

Excused Absences: In certain circumstances a student will be able to make up a missed exam. These circumstances could include medical situations, family emergencies, travel for University activities (eg. band, debating club, etc), and religious observances. In these cases the student must inform me before or within one week after the missed work and **provide written documentation.**

Additional Information:

Grades: Grading will be in accord with the UF policy stated at <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.

Honor Code: "UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The Honor Code specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class."

Class Attendance: "Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>."

Accommodations for Students with Disabilities: "Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, <https://www.dso.ufl.edu/drc/>) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester."

Online Evaluations: "Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>."

Contact information for the Counseling and Wellness Center: <http://www.counseling.ufl.edu/cwc/Default.aspx>, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

