APPM 5470
Syllabus

• **Instructor:** Congming Li, cli@colorado.edu,
  Phone: 2-4632, Office: ECOT 324

• **Classroom:** ECCR 131, MWF, 12:00—12:50pm.

• **Office Hours:** Wednesday 2:30—4:30pm and low priority at Monday 2:30—5:00pm


• **Homeworks:** There are homework problems for each chapter. You are REQUIRED to do all of them.

• **Grades:** 25% on homework, 15% each on five in class exams on chapters 2–5 and 8.

• **Basics in PDE:** existence and uniqueness in a suitable setting, stability with respect to small ‘perturbations’, method of solution construction.

• **Three basic types of PDEs:** hyperbolic(wave), elliptic, parabolic.

• **Three basic methods:** characteristic, separation of variables, integral kernels.

• **Two basic tools:** Fourier series, Fourier transforms and the maximum principles.
• Students with disabilities, who may need academic accommodations, should discuss options with me during the first two weeks of class:
  http://www.colorado.edu/disabilityservices/syllabus.html

• Campus policy regarding religious observances requires that faculty make every effort to deal reasonably and fairly with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. In this class, you need to inform me any request before Sept. 16.

• Students and faculty each have responsibility for maintaining an appropriate learning environment. Those who fail to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with differences of race, culture, religion, politics, sexual orientation, gender, gender variance, and nationalities. Class rosters are provided to the instructor with the student’s legal name. I will gladly honor your request to address you by an alternate name or gender pronoun. Please advise me of this preference early in the semester so that I may make appropriate changes to my records. See policies at
  http://www.colorado.edu/policies/classbehavior.html

• The University of Colorado at Boulder policy on Discrimination and Harassment, the University of Colorado policy on Sexual Harassment and the University of Colorado policy on Amorous Relationships apply to all students, staff and faculty. Any student, staff or faculty member who believes s/he has been the subject of discrimination or harassment based upon race, color, national origin, sex, age, disability, religion, sexual orientation, or veteran status should contact the Office of Discrimination and Harassment (ODH) at 303-492-2127 or the Office of Judicial Affairs at 303-492-5550. Information about the ODH, the above referenced policies and the campus resources available to assist individuals regarding discrimination or harassment can be obtained at
  http://www.colorado.edu/odh

• All students of the University of Colorado at Boulder are responsible for knowing and adhering to the academic integrity policy of this institution. Violations of this policy may include: cheating, plagiarism, aid of academic dishonesty, fabrication, lying, bribery, and threatening behavior. All incidents of academic misconduct shall be reported to the Honor Code Council (honor@colorado.edu; 303-725-2273). Students who are found to be in violation of the academic integrity policy will be subject to both academic sanctions from the faculty member and non-academic sanctions (including but not limited to university probation, suspension, or expulsion). Other information on the Honor Code can be found at
  http://www.colorado.edu/policies/honor.html and at
  http://www.colorado.edu/academics/honorcode/