Course Information Sheet: Math 39100, Section E

Course Title: Methods of Differential Equations

Pre-requisites: Math 20300.

Catalog Description: First order equations; higher order linear equations with constant coefficients, undetermined coefficients, variation of parameters, applications; Eulers equation, series solutions, special functions; linear systems; elementary partial differential equations and separation of variables; Fourier series.

Meeting time and place: Mondays and Wednesdays 2-3:15pm in NAC 6/114.

Instructor Information:
- **Name:** Prof. Patrick Hooper
- **Office hours:** Mondays and Wednesdays 1-2pm (on any day our class meets). Appointments are also accepted.
- **Office:** NAC 6/282
- **Email:** whooper@ccny.cuny.edu
- **Office Phone:** (212) 650-5149

Course Textbook: Boyce and DiPrima, *Elementary Differential Equations and Boundary Value Problems*, 9th edition, Wiley.

Grades: Grades will be computed from the following:
- Attendance (See the attendance policy below.)
- Quizzes (10%): The average of your take home quiz grades with the lowest two grades dropped.
- Midterm Grade (50%): There will be three midterms on Wednesday, October 3rd, on Wednesday October 31st, and on Monday, November 26th.
- Final Exam (40%): Monday, December 17th from 1:00pm - 3:15pm.

Your final score will be tabulated out of 100% as indicated by the percentages above, with attendance taken into account. (See the attendance section below.) A letter grade will be assigned to you according to the table below.

A+	97-100	B+	87-89	C+	77-79	D	60-69	F	0-59
A	95-96	B	84-86	C	74-76
A-	90-94	B-	80-83	C-	70-73

Course information: Course information can be found on the website `http://wphooper.com/teaching/2012-fall-391/`. This site includes a list of homework assignments, a tentative course calendar and a list of course documents.

Blackboard: A record of your grades in this course can be found on blackboard. To access blackboard visit `http://bbhosted.cuny.edu/`. Please let me know if you have trouble accessing blackboard, or trouble using the blackboard website.

Email: It is important that you are accessible via email through blackboard. To change or update your email address go to `http://portal.cuny.edu`, click "Portal login" from the bottom left menu, then login, and select "My profile" on the left menu.

General expectations: For each hour spent in the classroom, I expect you to spend at least three hours reading and understanding the book, understanding lecture notes, and doing homework. Practice (doing

problems and proofs) is an important part of understanding mathematics. Only adequate practice will guarantee that you can complete midterm and exam problems in a timely manner.

Expectations of written work: Mathematical computations and proofs will be graded partially on presentation. In order to receive full credit, a student who reads your answer should be able to easily understand how you solved the problem. Written work is expected to be legible and arguments are expected to be well articulated.

Final exam: We will participate in a group exam held on Monday, December 17th from 1-3:15pm according to the university's final exam schedule. Ensure that you have no time conflicts. A makeup for the final exam is offered only under extremely compelling circumstances. Notify me as soon as you know you will have to miss the final. Some previous final exams are available from the departmental web page, `http://math.sci.ccny.cuny.edu/courses?name=Math_39100`.

Midterms: You will be given the full class period to complete each midterm. If a midterm is missed under well documented and sufficiently compelling circumstances, then a makeup can be taken. Notify me ahead of a midterm you expect to miss to be sure your circumstances are sufficiently compelling. The makeup must be taken within one week of the originally scheduled midterm. A grade of zero will be assigned to anyone who does not take a midterm or a makeup.

Midterm Grade: At the end of the course, your "midterm grade" is the average of your highest two midterm grades. This contributes to your final grade as described above in the "Grades" section.

Take home quizzes: I will often assign take home quizzes. I will announce the quizzes in class before the day the assignment is distributed. You will not be allowed to work with others to complete these quizzes. The lowest two quiz grades will be dropped. There are no makeups for quizzes.

Homework: Homework will be assigned each class. You are expected to attempt to complete each homework assignment before the next class. Homework problems will be discussed at the beginning of each class, so come prepared with questions.

Attendance Policy: As students, class time is extremely important for learning. You will be introduced to the material, and the relative importance of topics in the course will be revealed. For this reason, attendance is mandatory. **Missing an excess of eight 50 minute periods (or 4 classes) may result in you being dropped from the course, and will certainly result in the reduction of your final grade by** 5% **(or half a letter grade).** Occasionally, exceptions to this policy will be made, but only for good reason and only with notification prior to the absence. Good reasons include illness with a doctor's note and many religious observations.

Lateness: Lateness to class in unacceptable because it disrupts the learning process of the whole class. For this reason, any student who arrives more than 5 minutes after class begins will be considered late. Three late attendances are considered the equivalent of one absence. Thus, sufficiently many late attendances will result in actions as described in the Attendance Policy. In addition, any student who arrives 15 minutes after a class begins will be considered absent from that class period.

Tutoring: There are two sources of tutoring for this course:

- The Department of Mathematics Tutoring Help Desk is located in Marshak 418S. For more information see `http://math.sci.ccny.cuny.edu/pages?name=tutoring`.
- The Engineering Department also tutors for this course. For more information see `http://www1.ccny.cuny.edu/prospective/gsoe/osd/index.cfm` and click on "Tutoring".

Departmental website: The departmental website is `http://math.sci.ccny.cuny.edu/`. The website has detailed syllabi, copies of old finals, faculty office hours and e-mail addresses. Almost anything else you could want to know about the department can be found here.

Academic integrity: You are expected to adhere to the CUNY Policy on Academic Integrity. This policy is posted at `http://www1.ccny.cuny.edu/upload/academicintegrity.pdf`.

Accommodations for Students with Disabilities: Qualified students with disabilities will be provided reasonable academic accommodations if determined eligible by the AccessAbility Center (AAC). Prior to granting disability accommodations in this course, the instructor must receive written verification of a students eligibility from the AAC, which is located in NAC 1/218. It is the students responsibility to initiate contact with the AAC and to follow the established procedures for having the accommodation notice sent to the instructor.