OR&IE 474 — Course Information
Fall 2002
Professor D. Ruppert

Home page

Course materials including this information, reading assignments, homework assignments, data sets, SAS programs, and handouts can be found at:

http://www.orie.cornell.edu/~davidr/or474/

Academic integrity

At the ORIE 474 home page there is a link to Cornell’s Code of Academic Integrity. Be sure that you are familiar with this code.

In this course it is expected that you will work independently on all assignments: homework, exams, and projects, except that on projects you will work with teamworks. Specifically, you are not allowed to communicate about course material with other students during exams, both in-class and take-home. You must work individually on homework. You may ask other students to help you learn the course material needed to do the homework assignments, but you should work by yourself when doing homework.

Class Times

- Lectures: MWF 1:25–2:15 in Thurston 205
- Section: M 2:30–4:25 in Theory Center 471:
  starts Sept 9 (no section on Sept 2)

Course objectives

- Students will learn how to use SAS Enterprise Miner to solve business and engineering problems.

Prerequisites

- OR 270

Textbooks


The textbook may be a bit advanced for an undergraduate course, but it is the best text available. The course will cover the less theoretical material in the text. Lectures should be easier to follow than the text and should help you understand the reading assignments.

Instructors

Lecturer

- Professor David Ruppert
  – 225 Rhodes Hall
  – 255-9136
  – davidr@orie.cornell.edu

TA

- Trevor Park
  – 294 Rhodes
  – 255-1270
  – trevor@orie.cornell.edu
Homework

Homework assignments will be given regularly, approximately every other week. Homework is due at the end of class on the due date. It can be turned in to the return box at the 3rd floor of Rhodes, near the entrance to Upson, but it is still due by 2:15pm, the end of the class time. You are allowed one late homework for the semester, but late homework can be no more than 48 hours late. For example, if homework is due on Wednesday, then it must be turned in by 2:15pm Friday to be accepted as your one late assignment.

In the case of illness or other emergencies, contact me for an extension. If I give you an extension it doesn’t count as your one late assignment and you can have more than 48 additional hours if circumstances make that necessary.

Project

In the project, the techniques taught in the course are used to analyze business or engineering data. Students will work in teams of two or three students. Each team must write a project proposal (due November 18, 2002), find the necessary data, carry out the project, and write a project report. Detailed requirements of the project are available on the course web site. The project report is due by 3pm, Monday, December 16.

Exams

There will be three exams. The first exam will be in recitation and will last 1.5 hours. The last two exams will have 50 minute in-class components in lecture. The last two exams will also have take-home components that will be due approximately 48 hours after the in-class part, though they should only take about 2–3 hours to complete. The in-class portions of all exams will be closed book but you are allowed to bring three sheets (six pages) of notes to each exam. The exams will be

- Mon, Sept 30
- Mon Oct 28
- Mon, Nov 25

During section on Mondays October 28 and November 25 you can work on the take-home component of the exam. Note that November 25 is the Monday before Thanksgiving so don’t plan to leave Ithaca too early that week, or alternatively don’t take this course.

Grading

Grades will be based on coursework as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>20%</td>
</tr>
<tr>
<td>Project</td>
<td>40%</td>
</tr>
<tr>
<td>1st exam</td>
<td>10%</td>
</tr>
<tr>
<td>2nd exam</td>
<td>15%</td>
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<tr>
<td>3rd exam</td>
<td>15%</td>
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9/26/2002