
January 17, 2007

Instructor:  Jun Yan
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belongs to someone else)
http://www.stat.uiowa.edu/~jyan/
219 SH
319/335-0824

Department:  Statistics and Actuarial Science
http://www.stat.uiowa.edu/
241 SH
M–F 8:30a–12:00p, 1:00p–4:30p

DEO Contact:  Luke Tierney
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241 SH
319/335-0712

Lectures:
•  MWF 10:30a–11:20a 74 SH

Office Hours:  MW 11:30a–12:20p, Th 4:40–5:30 (or by ap-
pointments)

ICON:  http://icon.uiowa.edu/
•  Log in using your Hawk ID and Hawk ID password.
•  Please do NOT submit homework through ICON.

Course Description:  This course covers statistical infer-
ences built upon the theory of probability.  Topics in-
clude maximum likelihood methods, sufficient statistics,
confidence intervals, hypothesis testing, inferences about
normal models, Bayesian estimator, etc.

Prerequisite:  22S:153 or equivalent.

Textbook:  Hogg, McKean, and Craig (2004), Introduction

Chapters 5, 6, 7, 8, and 11 of the textbook will be covered
in this course.  Time permitting, Chapter 9 and 10 will
be selectively covered.

Grading:  Assessment of the subject will be based on the
following four components with weights shown in paren-
thesis:

Style (5%)  I expect almost everyone to receive all five
points.  If my grader or I had to reread a solu-
tion several times to find a train of thought, or if
a solution was illegible, ambigious, or incoherent,
it would affect Style Points.

Homework (15%)  Homework will be assigned weekly
and must be turned in at the beginning of the class
on the following Friday.  Please do not merely write
down answers, but clearly show how you got your
results.

Only the best 10 homework grades will count toward
your grade.

Late homework will NOT be accepted for any rea-
son.

You are encouraged to discuss homework problems,
but you must write up the solutions independently.
No credit will be given to assignments that are sub-
stantially similar.

Quizzes (20%)  There will be five 15 minutes in-class
quizzes.  They will be on weeks 2, 4, 8, 10, and 14
(The week of Spring recess is excluded).

Only the best 4 quizzes will count toward your
grade.

Missed quizzes cannot be made up.

Exams (60%)  The two 90-minute midterm exams
(30%) are in week 6 and 12, respectively.

The 90-minute cumulative final exam (30%) is on
Tuesday, May 8, 2007, starting at 12pm.

If you have two exams scheduled for the same pe-
riod or more than three exams scheduled for the
same day, you may file a change of schedule at the
Registration Center (meeting the deadline is your
responsibility).

Missed exams may be made up only with documenta-
tion of reasons required by the university policy,
i.e. because of “illness, mandatory religious obliga-
tions, or other unavoidable circumstances or Uni-
versity activities.”

You will be allowed to consult one single-sided 8.5×11
notes during each quiz, two single-sided 8.5×11 notes
during each midterm exam, and four single-sided 8.5×11
notes during the final exam.

Important Dates:  Please mark your calender.

jyan@stat.uiowa.edu 1 http://www.stat.uiowa.edu/~jyan/teaching/s154/
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friday, 01/26</td>
<td>Quiz 1</td>
</tr>
<tr>
<td>Friday, 02/09</td>
<td>Quiz 2</td>
</tr>
<tr>
<td>Thursday, 02/22 (6pm)</td>
<td>Midterm 1</td>
</tr>
<tr>
<td>Friday, 03/23</td>
<td>Quiz 3</td>
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<tr>
<td>Friday, 04/06</td>
<td>Quiz 4</td>
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<tr>
<td>Thursday, 04/19 (6pm)</td>
<td>Midterm 2</td>
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<tr>
<td>Friday, 04/27</td>
<td>Quiz 5</td>
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<tr>
<td>Tuesday, 05/08 (12pm, 74 SH)</td>
<td>Final exam</td>
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Course Schedule: The course schedule will be posted in ICON progressively.

University Policies:

- Course policies are governed by the College of Liberal Arts and Sciences.
- University policies regarding Student Rights and Responsibilities can be found at http://www.clas.uiowa.edu/students/academic_handbook/.
- I would like to hear from anyone who has a disability which may require some modification of seating, testing, or other class requirements so that appropriate arrangements may be made. Please see me about this as soon as possible.

Notes:

- A student is expected to spend a minimum of two hours outside of class for each class period to successfully learn the course material. Some may need more. When you do not put time, you will not learn.
- Do not wait until the night before the due date to start doing your homework.
- Working exercises is THE major way to assess your understanding and to solidify concepts. You cannot learn how to solve problems by merely watching someone else do them — you must solve problems on your own. Doing all the exercises is recommended.
- A list of independent tutors can be found at http://www.stat.uiowa.edu/courses/tutors.html.
- Chinese students please speak English in an academic environment.
- Bring any difficulties to me promptly.