

# Syllabus of Stat 4052 Applied Statistics II

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**Course Description:** This course is intended for declared majors in the BA or BS program in statistics. Students taking this course must have completed Stat 3032, Stat 3071, either Stat 4101 or Stat 5101 and Stat 4051.

## Course Information:

Instructor: Lan Liu

email: liux3771@umn.edu

Office: Ford Hall 368

Office Hours: W 9a-9:55a or by appointment

Class meeting times: M, W, F, 10:10 AM–11:00 AM 01/17/2017–05/05/2017

Class Location: Rapson Hall 54

TA: Purba Mondal

email: monda056@umn.edu

Office Hours: F 1:00-3:00pm

Location: Ford Hall 495

**Credit Hours:** 4

**Grades:** A-F only

## References:

1. Faraway, Julian J. Extending the linear model with R: generalized linear, mixed effects and nonparametric regression models. Vol. 124. CRC press, 2016. (free downloadable at <https://englianhui.files.wordpress.com/2016/01/faraway-extending-the-linear-model-with-r-e28093-2006.pdf>)
2. James, G., Witten, D., Hastie, T., & Tibshirani, R. (2013). An introduction to statistical learning (Vol. 6). New York: springer. (free downloadable at <http://www-bcf.usc.edu/~gareth/ISL/ISLR%20First%20Printing.pdf>)
3. Hastie, T., Tibshirani, R., & Friedman, J. (2001). The elements of statistical learning. 2001. NY Springer. (free downloadable at [http://statweb.stanford.edu/~tibs/ElemStatLearn/printings/ESLII\\_print10.pdf](http://statweb.stanford.edu/~tibs/ElemStatLearn/printings/ESLII_print10.pdf))

## Statistical Software:

The main programming language we will be using for statistical analyses is R.

## Grade Distribution:

Assignments	15%
Project	20%
Quiz	5%
Midterm Exam	35%
Final Exam	25%

Homework is due at the **beginning** of the class in hard copy. Late homework will NOT be graded. If you could not make to the class, please contact your TA and work out a way she agrees but the due time is the same as the other students.

## Course Policies:

- **Incompletes**

Incompletes are rarely given except cases of extreme hardship, where there is a small amount of unfinished work that the student can complete on his or her own before the university required deadline. The student must have a legitimate excuse why the work could not be done on time, and must make arrangements with the instructor as to when the work will be done. Incompletes will not be granted when there is a large amount of work undone. For more information, please refer to the university policy about incompletes.

- **Makeups**

No makeup exams.

- **Academic Integrity**

Academic integrity is essential to a positive teaching and learning environment. All students enrolled in University courses are expected to complete coursework responsibilities with fairness and honesty. Failure to do so by seeking unfair advantage over others or misrepresenting someone else's work as your own, can result in disciplinary action. The University Student Conduct Code defines scholastic dishonesty as follows:

- **Scholastic Dishonesty** Scholastic dishonesty means plagiarizing; cheating on assignments or examinations; engaging in unauthorized collaboration on academic work; taking, acquiring, or using test materials without faculty permission; submitting false or incomplete records of academic achievement; acting alone or in cooperation with another to falsify records or to obtain dishonestly grades, honors, awards, or professional endorsement; altering forging, or misusing a University academic record; or fabricating or falsifying data, research procedures, or data analysis.

- **Accomodation Statement** The University of Minnesota is committed to providing equitable access to learning opportunities for all students. Disability Resource Center (DRC) is the campus office that collaborates with students who have disabilities to provide and/or arrange reasonable accommodations. If you have, or think you may have, a disability (e.g., mental health, attentional, learning, chronic health, sensory, or physical), please contact DRC at 612-626-1333 to arrange a confidential discussion regarding equitable access and reasonable accommodations. If you are registered with DRC and have a current letter requesting reasonable accommodations, you are encouraged to contact your instructor early in the semester to review how the accommodations will be applied in the course.

Additional guidelines for both homework assignments and exams either are given in the appropriate sections above or will appear in the first page of each homework assignment and

exam. Within this course, a student responsible for scholastic dishonesty can be assigned a penalty up to and including an F or N for the course. If you have any questions regarding the expectations for a specific assignment or exam, please ask. All violations will be reported to the Office for Student Academic Integrity.