

## University of Rhode Island

### Department of Computer Science & Statistics STA 409, Section 0001, Statistical Methods in Research I, Fall 2014

<b>Instructor:</b>	Catherine A. Robinson
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<b>Office Hours:</b>	M W 10:00 – 11:30 & by appointment
<b>Class Days/Time:</b>	TR 12:30 – 1:45 pm
<b>Classroom:</b>	Crawford Hall 221
<b>Prerequisites:</b>	MTH 131 or MTH 141
<b>Graduate Assistant:</b>	Zidan Wu (Office is 132 Tyler Hall)
<b>Office Hours:</b>	Tu 10:45 am – 12:00 pm & W 2:30 pm – 3:45 pm
<b>E-mail:</b>	<a href="mailto:Zidan_wu@my.uri.edu">Zidan_wu@my.uri.edu</a>
<b>Required Texts/Readings:</b>	Statistics: Principles and Methods, 7 <sup>th</sup> Ed. Johnson and Bhattacharyya, Wiley, 2014

Additional Course Material will be posted on SAKAI

#### Course Objectives:

- To learn some commonly used statistical techniques
- To apply these techniques in describing and analyzing data
- To recognize their common usage and limitations
- To recognize sound/good statistical studies
- To gain an appreciation for quantitative analytical skills
- To acquire a basic introduction to statistical software

#### Exams and Grading:

Homework Assignments	15%
Exam 1	25%
Exam 2	25%
Final Exam	35%

**IMPORTANT: No make up exams! No late assignments!**

**Course Description:**

In this course, you will gain knowledge and experience on statistical analysis and probability with applications to real-life studies. Main topics will include descriptive statistics, probability distribution, one and two-sample inference for population means and population proportions, introduction to chi-square tests, and simple linear regression.

Lecture notes will be posted on SAKAI and will be used during all lectures. Please print/download them in advance to bring with you to class.

**Homework:**

Homework will be assigned weekly. It must be complete, legible, and include all supporting work/graphs. **No late homework will be accepted.** If you know you won't be in class, I advise you to scan your homework and send it to the TA Zidan Wu and cc me by e-mail in pdf format. You are encouraged to work with your fellow students on homework and in studying. **Copying from someone is strictly prohibited.**

**Exams:**

If a student knows before hand that he/she will not be able to take an exam the day it is officially scheduled for, it is the responsibility of the student to make arrangements to take the exam **prior** to the day the exam is given to the class. No exams will be given after the official examination date.

**No make-up exams!** If the student is unable to take an exam for any reason beyond his/her control, the reason/proof should be discussed with/provided to the instructor. If consent is given to missing as exam, the final exam will be worth 60% instead of 35%.

**Academic Honesty:**

Students are expected to abide by the Honor Code of the University of Rhode Island. During the exams, students are required to work independently. For the homework assignments, students may work with others. However, each student must submit his or her own solutions. No work, no credit.

**Disability Accommodations and Opportunities:**

Please contact me if you require special accommodations due to learning disabilities. Confirmation is required. As part of this process, please be in touch with Disability Services for Students Office at 330 Memorial Union, 874-2098.

**Incomplete Grades:**

The University policy regarding incomplete grades follows:

“A student shall receive a report of **Incomplete** in any course in which the course work has been passing up until the time of a documented precipitating incident or condition, but has not been completed because of illness or another reason which in the opinion of the instructor justifies the report. (Section 8.53.20 University Manual).”

*Granting an Incomplete grade will not be considered unless the University policy is fulfilled.*

**Calculator:**

It is recommended that you have a calculator to use for the class and exams. Cell phone use WILL NOT be permitted during class and exams.

**Classroom Etiquette**

**Cell Phones/iPods/iPads/MP3 players/etc:**

There will be NO cell phone use / texting / browsing during class. If I see or hear your cell phone or other device, I will ask you to leave the classroom. If I see a cell phone or other device during the exam, a failing grade will be assigned for that exam.

**Communication with Class in the Event of an Emergency:**

The University of Rhode Island uses an emergency notification system, URI **EmergencyALERT** that allows news and instructions to be sent quickly to all members of the University community in the event of an emergency. Through this system, the University is able to deliver emergency notices simultaneously via voicemail, text-messaging and email to the entire student, faculty, and staff population within minutes. This system is also used to provide immediate notification of class cancellation(s) in the event of weather events, such as severe snowstorms.

Additional information on the **EmergencyALERT** system at URI is provided at

<http://www.uri.edu/emergency/alert.html>

Any important notice – excluding those sent by the EmergencyALERT – will be sent via e-mail. This includes cancellation of class due to instructor's illness, change of due dates for HW, change of exam dates, etc.