SOCI. 3303: SOCIAL DATA AND ANALYSIS

FALL SEMESTER 2017

SYLLABUS ONLINE AT

http://comp.uark.edu/~yangwang/soci3303/soci3303.htm

CLASS INSTRUCTOR
Dr. Song Yang
Office Hours: Friday 3:00 – 4:00 or by Appointment
Office Address: 223 Old Main
Office Phone: 575-3206
Email: yangwang@uark.edu

LAB INSTRUCTOR
Name: Marsha Kim
Email: mxk033@uark.edu

Other Information such as office hours, locations, and phone number for Marsha Kim, check with Marsha directly.

PLACE AND TIME FOR THE CLASS
Lecture Place: Walker Hall 302
Lecture Time: MWF 9:40 – 10:30 AM
   August 21 (Monday) 2017 to December 7 (Friday) 2017

Lab Place: 205 Old Main
Lab1: 10:45 – 11:45 Monday
Lab2: 11:00 – 11:50 Tuesday
COURSE DESCRIPTION AND OBJECTIVES

Social statistics is an extremely important class for sociology majors and students from all other relevant disciplines for their future academic pursuits and social practices. In this class, we will start with some basic concepts such as statistics and variables, univariate analyses, and inferential statistics, move to bivariate analyses including regression and correlation, and finish with multivariate analyses including multiple regression and correlation. Upon finishing this course, students should be able to conduct statistical analysis in their substantive areas by applying appropriate statistic techniques.

REQUIRED TEXTBOOK


CALCULATOR

You need a calculator for this class. A scientific calculator with functions such as ln, log, exp, power, sin, and cos is perfectly sufficient for this class. An example of this type is a Texas Instrumental Scientific Calculator that costs you around $20.00 at Best Buy or Wal-Mart. Just for this class, a super-power hand calculator with fancy features such as graphing, normally costs you more than $50.00, is definitely overkill!

GRADING

The class contains homework and three exams. The following table shows the score distribution.

<table>
<thead>
<tr>
<th></th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam 1</td>
<td>25</td>
</tr>
<tr>
<td>Exam 2</td>
<td>25</td>
</tr>
<tr>
<td>Exam 3</td>
<td>40</td>
</tr>
<tr>
<td>Attendance</td>
<td>10</td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
</tr>
</tbody>
</table>

The following chart converts raw scores to letter grade

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90% - 100%</td>
</tr>
<tr>
<td>B</td>
<td>80% - 89%</td>
</tr>
<tr>
<td>C</td>
<td>70% - 79%</td>
</tr>
<tr>
<td>D</td>
<td>60% - 69%</td>
</tr>
<tr>
<td>F*</td>
<td>Below 60%</td>
</tr>
</tbody>
</table>

The grading will be based on absolute scale rather than a curve. Regular and active participation is the key to the success of the class. Notice that we do not have plus or minus signs in the grading system. The decimal values will be rounded off according to the 4/5 rule. For example, 90.5 will be considered as 91, whereas 90.4 will be considered as 90. The lab instructor will independently manage his own grades. Therefore, it is quite likely that you receive different grades between the lecture and the lab.
* To receive an F for this course, you not only need to be at the bottom 10% of the class grade, but also need to receive total raw score less than 60 out of 100. If your score fulfills either conditions but not both, your grade will be upgraded to D.

POLICIES

Incomplete will NOT be granted except for prior agreement with the instructor for some extreme situations.

Late Assignment will NOT be accepted except for prior consent from the instructors for some extreme cases.

Attendance is extremely crucial for this course. I will be awarding you 10 points (10% of your total grade) for your participation in an individual meeting between you and me. I will be distributing a meeting schedule within three weeks after the semester starts.

However, I shall remind you that Good Classroom Conduct is indispensable to your completion of this course. Disruptive behaviors, such as constant interruptions that interfere with classroom lecturing or presentations made by the instructor or other students, confrontational behaviors toward the instructor should be avoided by all means. I will be sending out warning note to those students exhibiting disruptive behaviors, inviting them for a personal meeting between me and the students for a solution to their disruptive behaviors. If the students refuse to participate in the meeting or after the meeting the behaviors are not corrected immediately, I will be deducing 10 points from their total grade and produce written document for such decision. The 10-point deduction could be exercised multiple times for those who repeatedly commit disruptive behaviors.

Academic Integrity is essential to completing your courses. Violations carry severe consequences; please consult the University of Arkansas webpage for the details (http://provost.uark.edu/245.php)

Exam Makeup will NOT be granted unless with prior consent from the instructor for some very rare situations.

Email is the best way to contact me. I check my email many times a day, and normally respond your email within a couple of days.

Students with CEA request must request a meeting with me. The meeting is to discuss how to accommodate your needs. You can request such meeting any time during the semester. However, keep in mind that we must have such meeting before we can provide any CEA accommodations.

Being late to the class should be avoided by all means. I strongly recommend you NOT to come in to the class if you are more than 10 minutes late for the class. Repeated offenses to
this are considered disruptive behaviors, and maybe subject to the point deduction (see the attendance policy).

I will determine the inclement weather, and send you a group-email before 7:30 am if I decide to cancel classes due to the inclement weather condition. If U of A issues an inclement weather in effect, our class is automatically cancelled.

Grade Disputes for SOCI3303 should be addressed directly to the instructor, Song Yang, whereas dispute about grades for SOCI3301 should be discussed with the lab instructor, Marsha Kim.

We will try to synchronize our hand-back of your homework and the exams, so you would have the homework assignments that correlate with the exams before you take the exam. However, this is much easier said than done. Homework grading may not complete before the test takes place. If you wish to make use of the homework for your tests, one foolproof method is to make a personal copy of your homework assignments before you turn them in, and keep your copies for your preparation for the exams. In case you have questions about the homework that may affect your preparation of the exam, contact the instructor for help.

Grade release/notification is taking place at the classroom only during the class sessions. If you miss the classes when we hand back your homework or exams, you can stop by my office. Such policy applies during the semester and after the semester. As we will be having no classes after the semester, any inquiries about your grades will be handled through your personal visit to my office (223 Old Main). No need for scheduling an appointment, I should be in my office morning 9:00 to 11:00 Monday through Friday. We will NOT be responding to your email or phone inquiries of your grades during and after the semester.

Good faith effort is expected, especially when students are called upon to resolve the disruptive behaviors. Those good faith efforts include, but not limited to, respectful behaviors to the instructor, responsible act by students to correct those disruptive behaviors or other issues that impede class lecturing and instructor’s efforts to manage students. Violations to good faith efforts exemplify in rude/disrespectful treatment to the instructor, repeatedly dispute on the issues that were clarified by the instructor, excessive demand placed to the instructor to elucidate the issues that were clearly communicated with the students. Students exhibiting those “bad faith acts” after they receive the “disruptive behavior notice” are subject to 10-point deduction to their total grade.

The instructor holds the right to interpret those policy terms
EMERGENCY PROCEDURES

Many types of emergencies can occur on campus; instructions for specific emergencies such as severe weather, active shooter, or fire can be found at emergency.uark.edu.

Severe Weather (Tornado Warning):
- Follow the directions of the instructor or emergency personnel
- Seek shelter in the basement or interior room or hallway on the lowest floor, putting as many walls as possible between you and the outside
- If you are in a multi-story building, and you cannot get to the lowest floor, pick a hallway in the center of the building
- Stay in the center of the room, away from exterior walls, windows, and doors

Violence / Active Shooter (CADD):
- **CALL**- 9-1-1
- **AVOID**- If possible, self-evacuate to a safe area outside the building. Follow directions of police officers.
- **DENY**- Barricade the door with desk, chairs, bookcases or any items. Move to a place inside the room where you are not visible. Turn off the lights and remain quiet. Remain there until told by police it's safe.
- **DEFEND**- Use chairs, desks, cell phones or whatever is immediately available to distract and/or defend yourself and others from attack.
CLASS SCHEDULE

**WEEK August 21**
Orientation to the class.
Reading: Fox: Chpt 1.

**WEEK August 28**
Frequency and Percentage Distributions (1)
Frequency and Percentage Distributions (2)

**WEEK September 4**
Labor day holiday on September 4 (Monday). No class, enjoy your holiday!
Averages (1)

**WEEK September 11**
Averages (2)
Measures of Variation (1)

**WEEK September 18**
Measures of Variation (2)

**TEST 1 on September 20 (Wednesday) in class**

**WEEK September 25**
Cross-tabulation
The Chi-square Test of Statistical Significance (1)

**WEEK October 2**
The Chi-square Test of Statistical Significance (2)
The Chi-square Test of Statistical Significance (3)
WEEK October 9

Measures of Association for Cross-tabulations (1)

Measures of Association for Cross-tabulations (2)

WEEK October 16

Enjoy Fall Break on Oct. 16 and 17

Measures of Association for Cross-tabulations (3)

WEEK October 23

Test 2 on Oct 23 Monday in class

Comparison of Means and t Test (1)

WEEK October 30

Comparison of Means and t Test (2)

Comparison of Means and t Test (3)

WEEK November 6

Analysis of Variance (ANOVA) (1)

Analysis of Variance (ANOVA) (2)

WEEK November 13

Analysis of Variance (ANOVA) (3)

Analysis of Variance (ANOVA) (4)

WEEK November 20

TBD

Have a wonderful Thankgiving!
WEEK November 27

Regression and Correlation (1)

Regression and Correlation (2)

WEEK December 4

Review of class and open house

Open house will be on Wednesday December 6 from 9:00 – 11:00 at 223 Old Main

WEEK December 11

TEST 3, which is Final is on December 13 Wednesday 10:15 am to 12:15 pm @ Walker Hall 302