INSTRUCTOR: Dr. Demba Fofana

OFFICE: MAGC Room 3.204   E-MAIL: demba.fofana@utrgv.edu

OFFICE HOURS: T: 1:45 – 3:45 pm or by appointment

LECTURES: MW: 16:30 – 17:45 pm, MAGC Room 1.202

PRE-REQUISITE: Must be classified as TSI College ready in Mathematics.

TEXT: Statistics for the Life Sciences (5th ed.) by M. L. Samuels, J. A. Witmer, A. A. Schaffner

SOFTWARE: Stata (buy a student version) to order visit https://na01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.stata.com%2Forder&data=02%7C01%7Cdemba.fofana%40utrgv.edu%7Ccb5897116ee3494aae6e08d4e8e8b2b99a%7C990436a687df491c91249afa91f88827%7C0%7C636389301693837492%7C%2B5amDP01wKEU1j0Hl1RPgOjU3Dx6Ofcsb3nULGdl%2F4%3D&reserved=0

HANDOUTS: The text book will be supplemented with handouts which will be sent to you electronically via your UTRGV email account.

NOTE: Only UTRGV email accounts will be used for sending this class.

COURSE DESCRIPTION: As stated in UTRGV course catalogue.

LEARNING OBJECTIVES/OUTCOMES FOR THE COURSE:
After successful completion of this course, students will be able to:
1. Understand statistical concept and procedures such as probability distributions, hypothesis tests and analysis of variance.
2. Identify appropriate and inappropriate procedures for a given statistical situation.
3. Use appropriate technology to enhance statistical thinking and understanding
4. Solve statistical problems and judge the reasonableness of the results.
5. Interpret and communicate statistical results to people.
6. Recognize the limitations of specific statistical methods.

HOMEWORK: Reading assignments and homework problems will be assigned.

EXAMS/GRADE POLICY: Your course grade will be based on homework (25%), three exams (35%), a comprehensive final exam (30%) and a research project (10%). Average score: 90 –100: A, 80 – 89: B, 70 –79: C, 60 – 69: D, below 60: F

LAST DAY TO DROP OR WITHDRAW: Wednesday, November 15, 2017

ATTENDANCE: Class attendance is mandatory and any absences should be discussed with the instructor in advance. Any student who misses a class is responsible for borrowing the material covered during his/her absence, from a classmate. Any
student missing three lectures may be DROPPED from the class. Attendance and class participation may be used to determine grades in borderline cases.

**CLASS CONDUCT:**

**NOTE:** Walking into class late or walking in and out of class during lectures are disruptive behaviors which distract the attention of the teacher and other students. Also, a student who walks in and out of class during lectures misses some important facts about the lecture being delivered.

1. Any student who comes to class late after the roll has been checked is regarded as absent from class that day. **The class roll is checked at the beginning of the class period and not at the end.**
2. You may be DROPPED from the course for excessive lateness.
3. You MUST stay in class till the end of the period.
   a. **A student will be checked absent from class if the student leaves before the period ends.**
   b. **If a student walks in and out of the classroom while lecture is in progress, regardless of the reason, 2 points will be deducted from the final grade because walking in and out of the class during lectures is disruptive. Exceptions will only be made for documented medical reasons.**
4. All cellular phones and beepers must be turned off during class time. 5 points will be deducted from your final grade if your cellular phone or beeper rings in class, whether accidentally or deliberately.
5. Any disruptive or unruly behavior will be grounds for dismissal from the course.
6. Any student caught cheating on any of the exams will be given a course grade of F.

**STUDENTS WITH DISABILITIES:**
If you have a documented disability (physical, psychological, learning, or other disability which affects your academic performance) and would like to receive academic accommodations, please inform your instructor and contact Student Accessibility Services to schedule an appointment to initiate services. It is recommended that you schedule an appointment with Student Accessibility Services before classes start. However, accommodations can be provided at any time. **Brownsville Campus:** Student Accessibility Services is located in Cortez Hall Room 129 and can be contacted by phone at (956) 882-7374 (Voice) or via email at accessibility@utrgv.edu. **Edinburg Campus:** Student Accessibility Services is located in 108 University Center and can be contacted by phone at (956) 665-7005 (Voice), (956) 665-3840 (Fax), or via email at accessibility@utrgv.edu.

**MANDATORY COURSE EVALUATION PERIOD:**
Students are required to complete an ONLINE evaluation of this course, accessed through your UTRGV account (http://my.utrgv.edu/home); you will be contacted through email with further instructions. Students who complete their evaluations will have priority access to their grades.

**SEXUAL HARASSMENT, DISCRIMINATION, and VIOLENCE:**
In accordance with UT System regulations, your instructor is a “responsible employee” for reporting purposes under Title IX regulations and so must report any instance, occurring during a student’s time in college, of sexual assault, stalking, dating violence, domestic violence, or sexual harassment about which she/he becomes aware during this course through writing, discussion, or personal disclosure. More information can be found at www.utrgv.edu/equity, including confidential resources available on campus. The faculty and staff of UTRGV actively strive to provide a learning, working, and living environment that promotes personal integrity, civility, and mutual respect in an environment free from sexual misconduct and discrimination.
## Tentative Schedule of Activities:

<table>
<thead>
<tr>
<th>Week</th>
<th>Days</th>
<th>Date</th>
<th>Topic (Subject to Change)</th>
<th>Student Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>M-S</td>
<td>8/28/17 to 9/3/17</td>
<td>Ch1. Introduction</td>
<td>Ch. 1 Assignments</td>
</tr>
<tr>
<td>2</td>
<td>M-S</td>
<td>9/5/17 to 9/10/17</td>
<td>Ch2. Description of Samples and Populations</td>
<td>Ch. 2 Assignments</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>9/11/17 to 9/17/17</td>
<td>Ch3. Probability and the Binomial Distribution</td>
<td>Ch. 3 Assignments</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>9/18/17 to 9/24/17</td>
<td>Ch4. The Normal Distribution</td>
<td>Ch. 4 Assignments</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>9/25/17 to 10/1/17</td>
<td>Ch5. Sampling Distributions</td>
<td>Ch. 5 Assignments</td>
</tr>
<tr>
<td>6</td>
<td></td>
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<td><strong>Unit II: Inference for Means</strong></td>
<td></td>
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<tr>
<td>7</td>
<td>M</td>
<td>10/9/17 to 10/15/17</td>
<td>Ch7. Comparison of Two Independent Samples</td>
<td>Ch. 7 Assignments</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>10/16/17 to 10/22/17</td>
<td>Ch8. Comparison of Paired Samples</td>
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<tr>
<td>9</td>
<td></td>
<td>10/23/17 to 10/29/17</td>
<td>Ch9. Categorical Data: One-Sample Distributions</td>
<td>Ch. 9 Assignments</td>
</tr>
<tr>
<td>10</td>
<td>M</td>
<td>10/30/17 to 11/5/17</td>
<td>Ch10. Categorical Data: Relationships</td>
<td>Ch. 10 Assignments</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>11/6/17 to 11/12/17</td>
<td>Ch11. Comparing the Means of Many Independent Samples</td>
<td>Ch. 11 Assignments</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>11/13/17 to 11/19/17</td>
<td>Ch12. Linear Regression and Correlation</td>
<td>Ch. 12 Assignments</td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>11/27/17 to 12/4/17</td>
<td>Ch13. A Summary of Inference Methods + some reviews</td>
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**TENTATIVE EXAM DATES:**

- Exam 1: Wednesday, September the 27th
- Exam 2: Wednesday, October the 25th
- Exam 3: Wednesday, November the 22nd
- Final Exam: Monday, December the 11th

**Inclement Weather:**

Deadline extensions because of inclement weather, or any other unforeseen event will be considered as needed. It is the student’s reasonability to communicate such need as soon as possible.
Syllabus Changes:
This course syllabus provides a general plan for the semester; in the interest of flexibility, there may be necessary deviations, at my discretion.