***STA2023-Elementary Statistics (reference #: 212714) Spring 2016***

Instructor: Ms. Ngov Email: engov@irsc.edu phone number: 824-6000

Office hours: see schedule below

Communication with instructor: use Bb email or feel free to stop by my office during office hours

\*note-If you miss more than one class in a row, please email me

**Text:** *Introductory Statistics, 8th Edition*, Prem S. Mann (you may use the eBook if you choose)

**Software:** WileyPlus- Internet-based program (access code comes with new text)-info. on last page

Course Description**:** This course explores descriptive and inferential statistics. Topics include: summarizing data using pictorials as well as computational techniques, probability of discrete and continuous variables, using the central limit theorem to relate statistics to parameters of a population, confidence intervals, hypothesis testing, correlation and regression analysis. Computer software is utilized to practice, analyze, and verify skills learned throughout the course.

Prerequisite: Earn a “C” or better in Intermediate Algebra (MAT 1033)

Learning outcome of course: Students will be able to apply critical thinking through problem solving.

**Calculators:** You will need a calculator that performs basic math functions. Graphing calculators are acceptable and encouraged (but not required). I will use a TI-83+ for classroom demonstration.

**Grades**: The final grade is the average of **four tests (75%**), computer **homework and quizzes** count as **20%** of your grade, and a **pop quizzes (5%)**. Randomly throughout the semester, I will give extra credit points during class. ***No grades will be dropped. Please prepare for each test thoroughly.***

**Scale:** A: 90 – 100 B: 80 – 89 C: 70 – 79 D: 60 – 69 F: 0 – 59

**Makeup Tests:** If you miss a test you must notify me BEFORE thetime the test is given. If you have a valid and verifiable excuse I will use your Test 4 score twice. Otherwise, (e.g. if you just don’t show up for any test) you will receive a ZERO grade for this exam. **If you miss a second exam for any reason, you will be given a zero.**

Quizzes: No make-up quizzes will be given and there is no ‘replacement policy’ for quizzes.

 ***\*\*\*Make sure you are present in class any day a quiz or test is given.\*\*\*\****

 **Attendance** will be taken at each meeting. Everyone is expected to be present, on time, and prepared for each class. If you leave early you will be marked absent, unless you tell me the reason before class begins.

You are responsible for any work missed during an absence.

*After 3 absences* I will take ***1 point off your final average*** for each additional absence.

Cheating/Plagiarism: If you are found cheating in any way during your testing, you will receive a grade of zero and may be taken before the Academic Review Board for possible dismissal from IRSC. You are expected to do your own work at all times. Don’t cheat, it’s not worth it!

**Withdrawals** are the responsibility of the student to complete before the withdrawal date (Wednesday, March 23rd ).

**Instructor Withdrawals** are only granted under the following conditions and will not be given after the final exam is completed:

1) Student submits a written request via Blackboard Mail at least 1 week before the end of the semester; and

2) student is current with all assignments, tests, and attendance; and

3) student has consulted with Guidance on any consequences of receiving a W; and

4) one of the following:

A) a documented emergency or hardship prevents the student from completing the course; or

B) the student attends, participates, and completes all assignments except the final exam, but has no chance of passing the course with a C or higher.

**Incompletes** are only granted under the following conditions and will not be given after the final exam is completed:

1) Student submits a written request via Blackboard Mail before the date of the final exam; and

2) student is current with all assignments, tests, and attendance with a **passing grade**; and

3) student has consulted with Guidance on any consequences of receiving a W; and

4) a documented emergency or hardship prevents the student from completing the course.

**Outcome of Course** : Students will be able to apply critical thinking through problem solving.

**Objectives for Course** :

1. Review of algebraic techniques, order of operations, and properties.
2. Review and expand solving equations and inequalities (linear, rational, quadratic, and radical).
3. Review and expand the operations of polynomials.
4. Review and expand the techniques in simplifying rational expressions.
5. Review and expand the operations of expressions in radical or exponential form.
6. Review and expand the techniques in graphing linear equations and inequalities.

**Students with Disabilities:** In compliance with the Americans with Disabilities Act, students requiring special accommodation(s) due to a disability must register with Educational Services Division / Student Disability Services office in order to receive eligible services. These offices are located in W-143 on the main campus or you may call Rhoda Brant at (772) 462-7782 or Terry Valencia at (772) 462-7808. Students with documented disabilities may also be eligible for additional academic services through Student Support Services (SSS) located in J-101 on the main campus.

**CELL PHONE:**

“The use of cell phones is prohibited during class at IRSC.  All cell phones must be set on silent or off during the class period.   Any student who uses a cell phone to make or answer a call, or send and read text messages or emails, other than IRSC emergency messages during class time may be asked to leave and may be considered absent for that class. No student has the right to disturb the teaching and learning process.”

The following help is available:

 1. The ASC (Academic Support Center) on all campuses provide FREE tutoring.

 2. Instructor office hours, virtual office hours, or email

 3. Math Lab- Okeechobee campus, B building-130 -peer tutors, this is free!

 4. Fellow students, classmates-form study groups

 5. WileyPlus software-tutorials, e-book, and guided solutions

 6. **Smarthinking.com** FREE 24/7 tutoring online-see link in Bb

Office Hours:

Monday: 4 pm – 8 pm Tuesday: 4 pm – 6 pm Wednesday: 12 pm – 4 pm

**Note: Information on this syllabus is subject to change.**

**Suggested textbook HW-Introductory Statistics, Mann, 8th ed.**

Do the odd # problems below found throughout each chapter, and the Self Review problems - Check solutions in back of text or in the WileyPlus program in Student Solutions found under the *READ, STUDY, PRACTICE tab*

Chapter 1: 3, 5, 7, 9, 11, 15, 17, 19, 21, 23, 35, Self-Review Test p. 20-21

Chapter 2: 3, 5, 7, 9, 15, 17, 19, 21, 25, 27, 35, 53, 55, 62, Self-Review Test p. 77-78

Chapter 3: 9, 13. 21, 29, 33, 35, 37, 51, 55, 59, 65, 77, 79, 91, 107, Self-Review Test p.136-138

Chapter 4: 7, 11, 19, 23, 37, 47, 51, 53, 65, 75, 83, 99, 103, 121, 127,

 Self-Review Test p. 202-203

Chapter 5: 9, 11, 15, 25, 35, 43, 49, 51, 57, Self-Review Test p.255-256 #1-10, 14, 15 only

Chapter 6: 1, 7, 11, 15, 17, 25, 29, 31, 37, 45, 57, 59, Self-Review Test p. 311-312

Chapter 7: 5, 13, 23, 35, 49, 55, 63, 75, 91, Self-Review Test p. 354-356

Chapter 8: 1, 10, 19, 29, 31, 41, 47, 53, 61, 63, 71, 95, Self-Review Test p. 396-397

Chapter 9: 5, 19, 27, 35, 41, 43, 51, 63, 65, 71, 75, 87, 89, Self-Review Test p. 453-454

Chapter 13: 25, 26, 27, 29, 61, 66, 68, 70, 95, 97

***COMPUTER PROGRAM- WileyPlus:***

All new textbooks come with an access code for the WileyPlus computer component of this course.

If you do not have one, go to [www.wileyplus.com](http://www.wileyplus.com) and purchase an access code.

For a reduced price, cut and paste the following **Promo Code: IRS04**

For those of you without a WileyPlus access code when classes begin, you have a free 2 week trial.

A mandatory part of this course will be the completion of a “Practice” and a “Quiz” for each chapter found within the ‘Assignments’ area in WileyPlus.

**To register , enroll , and access your course in WileyPlus, you will go to Blackboard:**

1) Log into Bb, and click on your statistics course.

2) Click on the WileyPlus link on the menu bar at the left. Here you will enter your access code, or choose to use the free 2 week trial (if you do not have a code yet). Once you do this you will be registered into your class section for WileyPlus and can begin working on your assignments.

3) Click on Assignments and you will find the practices and quizzes for each chapter.

This is the way you will access WileyPlus throughout the term, through our course in Blackboard.

***IMPORTANT*-**After the due date, you will not be able to work on the WP quizzes.

*Please do your work early (don’t wait until the last night!) and*

do not ask for extensions on the computer quiz due dates. Thank you!

Ms. Ngov Tentative Schedule (subject to change) Spring 2016

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| STA 2023 | Monday | Tuesday | Wed. | Thursday | Fri. |
| Jan. | 4 | 5 | 6  | 7 Chap. 1 | 8  |
|  | 11  | 12 Chap. 1 | 13  | 14 Chap. 2\*\*last day to drop | 15 |
|  | 18 Holiday  | 19 Chap. 2 | 20  | 21 Chap. 3 | 22 |
|  | 25 | 26 Chap. 3 | 27  | 28  **TEST 1** (chap. 1-3)   | 29 |
| Feb. | 1 | 2 Chap. 4 | 3  | 4 Chap. 4 | 5 |
|  | 8 | 9 Chap. 4 | 10   | 11 chap. 5 | 12 |
|  | 15 | 16 chap. 5 | 17  | 18 chap. 5 | 19 |
|  | 22 | 23  **TEST 2**(chap. 4-5)  | 24  | 25 chap. 6 | 26 |
|  | 29 | 1 chap. 6 | 2  | 3 chap. 6 | 4 |
| Mar. | 7 | 8 chap. 7 | 9  | 10 chap. 7 | 11 |
|  | 14SPRING BREAK! | 15 SPRING  BREAK! | 16  | 17 SPRING BREAK!  | 18 |
|  | 21  | 22 chap. 7 | 23 \*withdraw deadline | 24  **TEST 3**(chap.6 – 7)  | 25 |
|  | 28  | 29 chap. 13 | 30  | 31 chap. 8 | 1 |
| April | 4 | 5 chap. 8 | 6  | 7 chap. 8 | 8  |
|  | 11 | 12 Chap. 9 | 13   | 14 chap. 9 | 15 |
|  | 18 | 19 chap. 9 | 20  | 21 **TEST 4**(chap. 8-9)  | 22  |