**DE MS 204 Basic Statistics**

**Spring 2018 Syllabus**

**Instructor**: Sharron Gibson

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**Phone**: 205-594-7943

**Office Hours/Tutoring Hours**: Tuesday and Thursday 2:45 – 3:15 p.m.

**Room:** AHS Rm. 103

**Times:**  1:55 – 2:45 p.m. on Monday, Tuesday and Wednesday; 1:30 – 2:45 p.m. on Thursday

**Course Prerequisite**:

MS 108 or 110 or 112 with a “C” or higher or an appropriate score on the EdReady Math Placement Test.

**Course Description and Goals:**

This course is a basic statistics course that is intended for non – mathematics majors or minors. Topics to be covered are as follows: numerical descriptive methods, axioms of probability, random variables, statistical inferences, point and interval estimation of mean, and hypothesis testing.

**Course Materials:**

* Textbook: Basic Statistics, 2nd edition, by Warren/Dentley/Atchley, Hawkes Learning
* Hawkes– the accompanying online learning system
* Scientific or Graphing Calculator.

**Grading:**

Test 1 – 16% Date: 2/8/18

Test 2 –16% Date: 3/15/18

Test 3 – 16% Date: 4/19/18

Hawkes, quizzes, etc. – 20%

Final Exam – 30% Date: 4/26/18

**Tentative Course Schedule:**

* 1/9/18 – 1/12/18 Chapter 1: Getting Started, Data Classification, The Process of a Statistical Study
* 1/16/18 – 1/19/18 Chapter 1 and 2: How to Critique a Published Study, Frequency Distributions
* 1/22/18 – 1/26/18 Chapter 2 and 3: Graphical Displays of Data, Analyzing Graphs, Measures of Center
* 1/29/18 – 2/6/18 Chapter 3: Measures of Dispersion, Measures of Relative Position
* 2/7/18 – 2/9/18 Review for test, Test 1
* 2/12/18 – 2/16/18 Discrete Random Variables, Binomial Distribution
* 2/19/18 – 2/23/18 Introduction to the Normal Distribution, Finding Area under a Normal Distribution, Finding Area under a Normal Distribution
* 2/26/18 – 3/2/18 Finding Values of a Normally Distributed Random Variable, Introduction to the Central Limit Theorem
* 3/5/18 – 3/9/18 Central Limit Theorem with Means, Central Limit Theorem with Proportions
* 3/12/18 – 3/16/18 Review for Test, Test 2
* 3/19/18 – 3/23/18 Introduction to Estimating Population Means, Estimating Population Means, Student’s t-distribution
* 4/2/18 – 4/6/18 Fundamentals of Hypothesis Testing, Hypothesis Testing for Population Means
* 4/9/18 – 4/13/18 Scatter Plots and Correlation, Linear Regression
* 4/16/18 – 4/20/18 Review for Test 3, Test 3
* 4/23/18 – 4/27/18 Review for Final Exam, Final Exam

**Additional Information/Course Policy:**

1. The class will meet M, Tu, W, and Th. Success in this course requires that students attend class on a regular and punctual basis. Students are expected to be in attendance at all times.
2. Any student receiving a failing grade on any assignment or test is urged to meet with the instructor for extra help and/or tutoring.
3. Students may make-up missed assignments and tests only if the absence is excused.
4. All students are expected to be fully prepared for class each day. Cell phones and other electronic devices are not allowed during class.
5. Students should communicate with the instructor through email, Blackboard, Remind App, and/or during scheduled class time. To receive text messages via the Remind App, text the message @destati to 81010.
6. Students should adhere to the University policy for academic honesty and sexual harassment as specified in the JSU Handbook (P.55 JSU Handbook)
7. All assignments and assessments are to be individual efforts.
8. All forms of personal communication devices must be out of sight and in the power-off mode for class and testing periods. During a testing period in class, any use of a personal electronic communication device, without the prior consent of the instructor, constitutes prima-facie evidence of academic dishonesty with no right of grade appeal. If the instructor observes the device, the presumption is that cheating has occurred and a grade of “F” will be assigned for that exam, quiz, etc.
9. **The dates given as due date for assignments are tentative and may change due to time constraints.**

**Important Dates:**

## Spring 2018

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| Nov 6-10 | [Priority Registration](http://www.jsu.edu/registrar/priority_prereg.html) |
| Dec 12 | Payment Due Date |
| Dec 13 | Registration Closed |
| Dec 14 | Registration Reopens at Noon |
| Jan 9 | Classes Begin -- Late Registration Fee Charged |
| Jan 15 | Martin Luther King, Jr. Day |
| Jan 16 | Last Day to Register or Add a Class |
| Jan 16 | Last Day to Withdraw from all courses and Receive 100% Tuition Refund |
| Jan 16 | Last Day to Drop a Class and Receive a Refund |
| Jan 16 | Last Day to Apply for Spring Graduation |
| TBA | Last Day to Withdraw from all courses and Receive 80% Tuition Refund |
| TBA | Last Day to Withdraw from all courses and Receive 50% Tuition Refund |
| Mar 8 | Midterm Grade Due |
| Mar 16 | Last Day to Drop or Withdraw without Academic Penalty |
| Mar 19-23 | Spring Break |
| Apr 6 | Last Day to Drop Passing or Withdraw with Academic Penalty |
| Apr 23-28 | Final Exams |
| May 1 | All Grades Due |
| May 4 | Commencement |