MATH 1342
Student Course Document – Revised Fall 2013

1. **Course Title:** Statistics

2. **Prerequisite:**
   - College Algebra (Math 1314)
   - Engl 0305 or 0316 (developmental reading) or placement by testing

3. **Corequisite:**
   - Engl 0307 or 0326 (developmental writing) or placement by testing

4. **Credit:** Three (3) Semester Hours

5. **Materials Needed:**
   - **Textbook:** *Fundamentals of Statistics* (w/CD), 4th Ed. By Michael Sullivan, III
   - **Calculator:** A calculator that computes the mean (x \( \bar{x} \) or \( \mu \)) and standard deviation (s or \( \sigma \)) of a set of numbers is recommended.
   - **MyMathLab:** This online homework/quiz system may be required by some instructors. Even if you do not require it, students may still get MyMathLab access, which will allow them to view electronic copies of the textbook and solutions manual online. Contact your publisher representative or the math department chair for details.

6. **Purpose:**
   - To provide the student with the needed background in descriptive and inferential statistics used in the social, biological, and physical sciences.

7. **General Course Objectives:**
   - 6.1 To introduce the student to the basics of descriptive statistics including stem and leaf displays, boxplots, frequency tables, and histograms
   - 6.2 To introduce the student to the concepts of population, sample and frequency distribution
   - 6.3 To develop skill in computing mean, median and mode
   - 6.4 To introduce the student to measures of dispersion such as variance and the standard deviation
   - 6.5 To introduce the student to the concepts of sample space, events and the meaning of probability
   - 6.6 To introduce the student to probability distributions such as the binomial and normal distribution
   - 6.7 To develop skill in working with sampling distributions and random samples
   - 6.8 To develop skill in estimation, confidence intervals and tests of hypotheses
   - 6.9 To introduce the student to the concepts of linear regression and linear correlation

8. **General Course Outline:**
   - Textbook Sections: 1.1-1.6(optional), 2.1-2.3, 3.1, 3.2, 3.3-3.4(optional), 3.5, 4.1-4.3, 4.4(optional), 5.1-5.5, 6.1, 6.2, 7.1, 7.2, 7.3(optional), 7.4, 8.1, 8.2, 9.1, 9.2, 10.1-10.3, 11.1-11.3, 12.1, 12.2-12.4(optional)

8. **MyLoneStar:**
   - MyLoneStar gives students, faculty, and staff access to important academic information. It allows a student to register, search for courses, obtain financial aid information, pay tuition and
fees, and view course grades. From www.lonestar.edu, click on MyLoneStar at the top right corner. Follow the instructions for securing your user name and password under the Self-Service Tools. Please contact the helpdesk at 1-866-614-5014 or send an email to ots@lonestar.edu for further assistance.

9. **The Six-Drop Rule:**
Students who enrolled in Texas public institutions of higher education as first-time college students during the Fall 2007 term or later are subject to section 51.907 of the Texas Education Code, which states that an institution of higher education may not permit a student to drop (withdraw with a grade of “W”) from more than six courses, including courses that a transfer student has previously dropped at other Texas public institutions of higher education that have already been counted against their six drop limit. Each student should fully understand this drop limit before you drop any course. Please see a Counselor or Advisor in our Student Services area for additional information and assistance.

10. **Academic Integrity:**
The Lone Star College System upholds the core values of learning: honesty, respect, fairness, and accountability. The system promotes the importance of personal and academic honesty. The system embraces the belief that all learners—students, faculty, staff and administrators—will act with integrity and honesty and must produce their own work and give appropriate credit to the work of others. Fabrication of sources, cheating, or unauthorized collaboration is not permitted on any work submitted within the system.

The consequences for academic dishonesty are determined by the professor and academic dean, or the professor and chief student services officer and can include but are not limited to:

1. Having additional class requirements imposed,
2. Receiving a grade of zero or “F” for an exam or assignment,
3. Receiving a grade of “F” for the course,
4. Being withdrawn from the course or program,
5. Being expelled from the college system.

11. **Division Counselor:**
Rhonda Cannon, Counselor for Math and Natural Sciences, is available in Winship 115G to assist you in meeting your academic, career, and personal goals. Confidential counseling services are available by appointment to help you overcome academic challenges, make a career choice, plan your transfer, and to gain self-understanding. To schedule an appointment call 281-618-5480 or email rhonda.cannon@lonestar.edu or stop by Winship 115G.

* It is the responsibility of the student to drop a class by “W” day if he/she desires.

12. **ADA statement:**
The American Disabilities Act (ADA) is a federal anti-discrimination statute that provides civil rights protection for persons with disabilities. If you have a disability that requires accommodation(s) to participate in this course, please contact the LSC-North Harris Learning Accommodations Center Office as soon as possible (Winship 120, 281-765-7940). The office will provide you with documentation needed to provide your accommodation(s). Failure to handle this in a timely manner may result in delays.

13. **Emergency Notification Info:**
LSCS is committed to maintaining the safety of the students, faculty, staff, and guests while visiting any of our campuses. See http://www.lonestar.edu/oem for details. Register at http://www.lonestar.edu/12803.htm to receive emergency notifications. In an emergency, contact LSCS Police at 281-290-5911 or x5911.