MATH 1342 Syllabus
Brookhaven College

Instructor Information
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Office Location:
Office Hours: To be announced
Division Office and Phone: Room K224 (972) 860-4750

Course Information
Course Title: Elementary Statistical Methods
Course Number: MATH 1342
Section Number: 23004
Semester/Year: Spring 2020
Credit Hours: 3
Class Meeting Time/Location: 10:30 AM – 11:50 AM
Building M, Room 210
Certification Date: 02/03/2020 (for 16 week courses)
Last Day to Withdraw: 04/16/2020 (for 16 week courses)

Course Prerequisites
College level ready in Mathematics at the non-algebra or algebra levels

Course Description
This course is a study of collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended.
Student Learning Outcomes
Upon successful completion of this course, students will:
1. Explain the use of data collection and statistics as tools to reach reasonable conclusions.
2. Recognize, examine and interpret the basic principles of describing and presenting data.
3. Compute and interpret empirical and theoretical probabilities using the rules of probabilities and combinatorics.
4. Explain the role of probability in statistics.
5. Examine, analyze and compare various sampling distributions for both discrete and continuous random variables.
6. Describe and compute confidence intervals.
7. Solve linear regression and correlation problems.
8. Perform hypothesis testing using statistical methods.

Texas Core Objectives
The College defines essential knowledge and skills that students need to develop during their college experience. These general education competencies parallel the Texas Core Objectives for Student Learning. In this course, the activities you engage in will give you the opportunity to practice two or more of the following core competencies:

1. **Critical Thinking Skills** - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
2. **Communication Skills** - to include effective development, interpretation, and expression of ideas through written, oral, and visual communication
3. **Empirical and Quantitative Skills** - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
4. **Teamwork** - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
5. **Personal Responsibility** - to include the ability to connect choices, actions, and consequences to ethical decision-making
6. **Social Responsibility** - to include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Required Course Materials

5th Edition by Michael Sullivan III with Pearson MyMathLab access
ISBN: 978-0-134-13353-9

Note: A student of this institution is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Graded Work

The tables below provide a summary of the graded work in this course and an explanation of how your final course grade will be calculated.

Summary of Graded Work

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Homework</td>
<td>10%</td>
</tr>
<tr>
<td>In-Class Activities &amp; MML Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Four Unit Exams</td>
<td>60% (15% each)</td>
</tr>
<tr>
<td>Departmental Final Exam</td>
<td>20%</td>
</tr>
</tbody>
</table>

**TOTAL: 100%**

Final Grade

<table>
<thead>
<tr>
<th>Points</th>
<th>Percentages</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>900-1,000</td>
<td>90-100%</td>
<td>A</td>
</tr>
<tr>
<td>800-899</td>
<td>80-89%</td>
<td>B</td>
</tr>
<tr>
<td>700-799</td>
<td>70-79%</td>
<td>C</td>
</tr>
<tr>
<td>600-699</td>
<td>60-69%</td>
<td>D</td>
</tr>
<tr>
<td>0-599</td>
<td>0-59%</td>
<td>F</td>
</tr>
</tbody>
</table>

Description of Graded Work

A portion of your grade from the “homework, in-class activity & quiz” category will be based on electronic assignments posted in the MyStatLab classroom. You will be **required** to purchase an access code and will need to register into the MyStatLab classroom.
**Attendance and Your Final Grade**

Students in good health should attend each and every class meeting, beginning at 10:30 AM and not leaving class until dismissed by the instructor, Ms. Noah. Students who are ill, may choose not to attend class. However, these students should seek tutoring at the HUB for the material and complete any homework and/or quiz as soon as possible after recovering from the illness. No adjustment will be made to the final grade due to illness.

**Late Work Policy**

Homework and quizzes will be accepted, without penalty, until the due date of the test covering the material. Once a test due date has passed, homework and quizzes pertaining to that material will be closed.

**Other Course Policies**

TI-84 Plus is required the 1st day of class. The TI-89, TI-92 or TI-Nspire will not be allowed to use on any test.

Final grades are posted in eConnect at the end of the semester. They are no longer mailed to students. You may obtain your final grades in any DCCCD course online at [https://econnect.dcccd.edu/](https://econnect.dcccd.edu/). From the student menu, select “My Grades” under “My Personal Information.” If you are not already logged in, you will be prompted to do so. Select the grade type you wish to review. Press the submit button and all grades for the selected grade type will be displayed.

Incomplete grades are given when an unforeseen emergency prevents a student from completing the work in a course. The division Dean must approve all “I” grades.

**Institutional Policies**

Institutional Policies relating to this course can be accessed using the link below. These policies include information about tutoring, Disabilities Services, class drop and repeat options, Title IX, and more.

[Brookhaven Institutional Policies](http://www.brookhavencollege.edu/syllabipolicies)

**Spring Academic Semester 2020**

**Dates for 16-Week Spring Semester**

- January 2 (Thursday) College buildings and offices open
- January 13 (Monday) Faculty Reports
### Spring Academic Semester 2020

#### Dates for 16-Week Spring Semester

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 20 (Monday)</td>
<td>Dr. Martin Luther King, Jr. Day - Holiday</td>
</tr>
<tr>
<td>January 21 (Tuesday)</td>
<td>Classes Begin</td>
</tr>
<tr>
<td>February 3 (Monday)</td>
<td>12th Class Day (Certification Date)</td>
</tr>
<tr>
<td>February 27 - 28 (Thursday thru Friday)</td>
<td>Professional Development Days -- Thursday and Friday day classes will not meet. Friday evening, Saturday and Sunday classes will meet.</td>
</tr>
<tr>
<td>March 2 (Monday)</td>
<td>Classes Resume</td>
</tr>
<tr>
<td>March 16-20 (Monday thru Friday)</td>
<td>Spring Break - College buildings and offices will be closed for the week.</td>
</tr>
<tr>
<td>March 23 (Monday)</td>
<td>Classes Resume</td>
</tr>
<tr>
<td>April 10 (Friday)</td>
<td>Holiday</td>
</tr>
<tr>
<td>April 13 (Monday)</td>
<td>Classes Resume</td>
</tr>
<tr>
<td>April 16 (Thursday)*</td>
<td>Last Day to Withdraw*</td>
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<tr>
<td>May 11-14 (Monday thru Thursday)</td>
<td>Final Exams</td>
</tr>
<tr>
<td>May 14 (Thursday)</td>
<td>Semester Ends</td>
</tr>
<tr>
<td>May 18 (Monday)</td>
<td>Last Day for faculty to submit grades electronically through eConnect to the Registrar's Office.</td>
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<tr>
<td>May Graduation</td>
<td>Ceremony dates may vary at the colleges depending on space available.</td>
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