Texas A&M University - Corpus Christi  
College of Nursing and Health Sciences

**HLSC 3340: Quantitative Methods in Health Care**  
Syllabus  
Fall 2016

**FACULTY:** Dr. Sherdeana Owens  
**OFFICE:** Island Hall, Office 328B  
**OFFICE HOURS:** by appointment  
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**CREDITS:** semester hours (3:0)

**Course Description:**

Introduction to quantitative methods applicable to health service organizations. Statistics, research methods and operations management are examined and applied to health care organizations.

**Course Objectives:**

1. Demonstrate a unified understanding of essential concepts in descriptive and inferential statistics.  
2. Apply descriptive and inferential statistical techniques to practical problems and issues that arise in a typical health service organization.  
3. Use Excel to performing calculations required for statistical techniques in health service organizations.  
4. Interpret the results of statistical procedures used in health service organizations.  
5. Gain an appreciation of the role of statistics in health care organizations, research and administration.
**Required Text:**


**LEARNING EXPERIENCES AND TEACHING METHODS:**

Objectives for this Web-supported course are met through individual study and group assignments/presentations using the text and additional resources, statistical exercises, power point lectures, quizzes, a mid-term and final exam.

Chapter power points are available for download and study in the Blackboard Classroom under Units/Lessons.


**Assignments:**

**Individual study:** Each chapter contains a series of exercises and discussion questions to be answered and posted in the Assignment Drop Box and/or Discussion Forum weekly.

**Group Written Report and Class Presentation** based on assigned research project will be due near the end of the course. Additionally, group Leaders will assess the contribution of individual group members to the finished report; instructor will assess presentation skills of group members.

**Chapter quizzes**- composed of conceptual (multiple choice questions) based on chapter readings.

**Midterm exam** - composed of conceptual (multiple choice questions) and a selection of exercises representative of the health problems examined.

**Final exam** - composed of conceptual (multiple choice questions) and a selection of exercises representative of the health problems examined.

**How you earn your grade:**

**Evaluation Criteria**
<table>
<thead>
<tr>
<th>Requirement</th>
<th>Percent of Grade</th>
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<tbody>
<tr>
<td>Quizzes</td>
<td>20%</td>
</tr>
<tr>
<td>Chapter Exercises/Discussions</td>
<td>30%</td>
</tr>
<tr>
<td>Group Report/Presentation</td>
<td>20%</td>
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<tr>
<td>Midterm exam</td>
<td>15%</td>
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<tr>
<td>Final Exam</td>
<td>15%</td>
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<tr>
<td>Total</td>
<td>100%</td>
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</tbody>
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**Grading Scale**

A – 90-100  
B – 83-89  
C – 75-82  
D – 65-74  
F – below 65

*Course communication* is via Blackboard. The Professor is available per Bb-mail Monday through Friday. Read Bb Announcements routinely. Turn off all cell phones during class. Class lectures are not tape recorded.

*Course Assignments* must be submitted in the Assignment Drop Box on due dates. One point is deducted for each day that an assignment is late.

*Attendance*: If you have a problem preventing you from attending class or participating as expected, e-mail the instructor. As per the Texas A&M University Student Rules and Regulations, the student is responsible for providing evidence to the instructor to substantiate the reason for any absence. See TAMU Student Rules and Regulations (#7 – Attendance) for a complete listing of authorized absences.
POLICIES:

Evaluation Input From Students

The faculty of the College of Nursing and Health Sciences places great value on evaluative input from students. Evaluation of courses, instructors and clinical facilities provides the College with important data which is used to strengthen the program. Data is analyzed as to trends and themes and is important to curriculum and sequencing decisions. All evaluations for courses posted are online. The online mechanism allows us the opportunity to tabulate and store information in order to analyze trends within the curriculum. Please be assured that this information is secured and not released until after grades are submitted. No names are available to faculty. In order to garner some reliability and validity, the College must have representative data from the student population. That representation, based on the literature, has been set at 70%. The College is anticipating that students will thoughtfully participate in the evaluation process which will assist the faculty with the growth of the program. A link to evaluations will be available on Blackboard toward the end of the semester. Thank you in advance for your assistance with the evaluation process.

Academic Integrity and Honesty

It is expected that University students will demonstrate a high level of maturity, self-direction, and ability to manage their own affairs. Students are viewed as individuals who possess the qualities of worth, dignity, and the capacity for self-direction in personal behavior. University students are expected to conduct themselves in accordance with the highest standards of academic honesty. Academic misconduct for which a student is subject to a penalty includes all forms of cheating, such as illicit possession of examinations or examination materials, forgery, or plagiarism. (Plagiarism is intentionally, knowingly, or carelessly presenting the work of another as one’s own). Please see the following sites for additional information:

- University Student Handbook and Code of Conduct: [http://www.tamucc.edu/~students](http://www.tamucc.edu/~students)
- University catalog related to academic integrity and honesty: [http://catalog.tamucc.edu/](http://catalog.tamucc.edu/)
- University Rules and Procedures: [University Procedure 13.02.99.C3.01 Academic Misconduct Cases](http://www.tamucc.edu/~students)

Students with Disabilities

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Disability Services Office at 361.825.5816 or

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visit the office in CCH 116. If you are a returning veteran and are experiencing cognitive and/or physical access issues in the classroom or on campus, please contact the Disabilities Services office for assistance at (361) 825-5816.

Title IX

As part of the Texas A & M Corpus Christi University policy, pregnant students are urged to contact the Title IX office for facilitation of academic issues impacted by pregnancy, delivery and subsequent complications. Contact information: Mr. Samuel Ramirez, Title IX Coordinator or Ms. Rosie Ruiz, Deputy Title IX Coordinator (825-5826).

Active Military Duty

Active duty military personnel, military spouses, and veterans with special circumstances (eg: deployment, drill requirements, disabilities) are welcome and encouraged to communicate these, in advance if possible, to the course and clinical instructor.

Grade Appeals Process

The College of Nursing and Health Sciences (CONHS) adheres to the University’s student grade appeal procedures described in Section 13.02.99.C2.01 (revised May, 2013) and follows those guidelines. See http://academicaffairs.tamucc.edu/Rules_Procedures/ for the University procedure and see http://conhs.tamucc.edu/shb/ for the CONHS process identified in the Student Handbook.

Support Services

Students are encouraged to seek faculty assistance in accessing University Services, including tutoring, health services, personal counseling, degree counseling, financial aid, learning resources, job/work placement, career guidance, and computer/technical support/instruction. If a student is interested in other support services provided by the University, the student is encouraged by the College of Nursing and Health Sciences and the University to seek these services.