Faculty:
Location:
Time:

Office:
Office Hrs:
Email:

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 and administration.

Required Text:

Recommended:

(on reserve in the Bell Library)

Application of Microsoft Excel Statistics is required in this course.

**LEARNING EXPERIENCES AND TEACHING METHODS:**

Objectives for this Web-supported course are met through individual study and group assignments and presentations using the texts, statistical exercises, problems for Excel solution power point lectures, quizzes, a mid term and final exam.

Broyles chapter power points are available for download and study in Units.

Other related power point lectures of Lisa M. Sullivan’s “Essentials of Biostatistics in Public Health” are included.

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

**Group study problems** based upon health administration problems are assigned for solution, presentation and discussion weekly. Each group must solve the assigned problem using Excel. Each solution must include the problem, the Excel solution and a complete, and accurate interpretation of the findings to be posted in the Assignment Drop Box weekly along with the Group Name and names of group members who participate in the assignment. Select one group leader for each group post. Group leaders may rotate or remain the same.

Criteria for group exercise/solution will be evaluated as follows:

- Accurate solution, interpretation & reference (text/other) 3pts.
- Accurate solution, and interpretation - 2 pts
- Accurate solution - 1 pt

**A Group Assigned Written Report and Class Presentation** –

**A mid term exam** covering the first half of the course

**The final course exam** - composed of conceptual (multiple choice questions) and a selection of exercises representative of the health problems examined.
Policies:

Course communication is via Blackboard. The Professor is available per Webmail Monday through Friday. 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 me. 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.

Academic Advising: The College of Nursing and Health Sciences require that students meet with an Academic Advisor as soon as they are ready to declare a major. The Academic Advisor will set up a degree plan, which must be signed by the student, a faculty mentor, and the department chair. The College's Academic Advising Center is located in Faculty Center rooms 163 & 165, and advisors are Johanna DuBose 825-3748 and Angelica Santillan 825-2461.

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 visit the office in Driftwood 101.

Academic Honesty: 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 the presentation of the work of another as one's own work.)

http://falcon.tamucc.edu/~students/JAffairs/ja_code_of_conduct_article3.htm

Grade Appeal Process: As stated in the College of Nursing and Health Sciences (CONHS) Handbook under section VII Policies and Procedures, a student that believes they have an academic grade appeal is encouraged to go through the CONHS academic review process prior to pursuing University Grade Appeal. See the handbook for the process.

As stated in University Rule 13.02.99.C2, Student Grade Appeals, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the
final grade given in the course. The burden of proof is upon the student to
demonstrate the appropriateness of the appeal. A student with a complaint
about a grade is encouraged to first discuss the matter with the instructor. For
complete details, including the responsibilities of the parties involved in the
process and the number of days allowed for completing the steps in the process,
see University Rule13.02.99.C2, Student Grade Appeals, and University
Procedure 13.02.99.C2.01, Student Grade Appeal Procedures. These
documents are accessible through the University Rules Web site at
http://www.tamucc.edu/provost/university_rules/index.html. For assistance
and/or guidance in the grade appeal process, students may contact the Office of
Student Affairs.

How you earn your grade:

**Evaluation Criteria**

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<thead>
<tr>
<th>Requirement</th>
<th>Percent of Grade</th>
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<tbody>
<tr>
<td>Quizzes</td>
<td>20%</td>
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<tr>
<td>Excel Problems &amp; Exercises</td>
<td>20%</td>
</tr>
<tr>
<td>Group Report/Presentation</td>
<td>20%</td>
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<tr>
<td>Mid term exam</td>
<td>20%</td>
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<tr>
<td>Final Exam</td>
<td>20%</td>
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<tr>
<td>Total</td>
<td>100%</td>
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**Grading Scale**
Grading scale requirements are determined by the individual school's
department. If you have questions about grading scale details, please refer to the
department site for the school at which you are registered.

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