Texas A&M University – Corpus Christi

College of Nursing & Health Sciences

HLSC 3310.001 EPIDEMIOLOGY

Syllabus
Fall 2016

FACULTY: Karen S. Murray, PhD, MSN

OFFICE: Island Hall 332

OFFICE HOURS: Monday and Tuesday: 10:00 – 12:00 & by appointment

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EMAIL: karen.murray@tamucc.edu

FAX: (361) 825-2484

CREDITS: Three semester hours (3:0)

CATALOG COURSE DESCRIPTION: Introduction to basic concepts, principles and methods of epidemiology with emphasis on prevention and control of public health problems.

DETAILED COURSE DESCRIPTION

The course covers applications of epidemiologic methods, calculations and statistics to the study of the distribution and determinants of health and disease, morbidity, disability, and mortality in human populations. Epidemiologic methods for the control of conditions such as infectious and chronic diseases, mental disorders, community and environmental health hazards, and unintentional injuries are discussed. Other topics include quantitative aspects of epidemiology, for example, data sources, measures of morbidity and mortality, evaluation of association and causation, and study design.

REQUIRED COURSE MATERIALS -


Separate Epidemiology Navigate Bundle ISBN 978-144-965-1466

Companion website: http://www.jbpub.com/catalog/9780763754433 Other
EXPECTED OUTCOMES
Upon completion of this course, students are expected to be able to:
1. Discuss the history, philosophy, and uses of epidemiology.
2. List sources of epidemiologic data and define related measures of morbidity and mortality.
3. Define the term descriptive epidemiology and describe the applications of descriptive epidemiology to the health of populations.
4. State what is meant by the terms association and causation.
5. Define the term analytic epidemiology and differentiate among the types of analytic research designs.
6. Define the term evidence-based public health and discuss its applications.
7. Discuss the applications of epidemiology to policy development.
8. Describe applications of epidemiology to outbreak investigation, social and behavioral phenomena, and special topics including work and the environment.

REQUIREMENTS AND EVALUATION

1. Reading and Participation: In order to be prepared to participate in class discussions, students are required to complete the reading assignments, before attending class.

2. Chapter Assignments: Located in BB9.1 Assignments are posted questions, exercises and required ‘deliverables’ (word documents and PPTs which each group must research, write and present to the class on the assigned date. These major assignments replace a course paper. Read each assignment carefully. Every member of the group must participate in the answer preparation, research and presentation. You must submit the answer documents on the due date to receive credit for this assignment. The group leader must list the names of all group members who adequately participated in the research and preparation of the assignments. No group member receives credit if they fail to contribute to the assignment.

3. Quizzes. Five true/false quizzes are available during the course. The purpose of these quizzes is to reinforce terminology and understanding of concepts. Quizzes are available in the Quiz tool with due dates listed for each quiz.

4. Epidemiology 101 Navigate Requirements. Navigate activities must be completed in class or independently. The Ten Navigate Chapter Quizzes must be completed independently and submitted in the Navigate File of the Text.
5. **Examinations.** Three chapter examinations are available in the BB9.1 Test and Quiz Tool with due dates listed. A final course comprehensive exam is required.

   a. **Exam #1** covers Chapters 1-3.
   b. **Exam #2** covers Chapters 4-6.
   c. **Exam #3** covers Chapters 7–10.
   d. **Final Comprehensive Exam**

6. **A mid-term exam is given for a mid-term grade** – but is not calculated in the final grade for the course.

**Web References**

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<tr>
<th>Organization/Type of Information</th>
<th>Website</th>
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<tr>
<td>Hippocrates</td>
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<td>Demographic and Health Surveys</td>
<td><a href="http://www.measuredhs.com">www.measuredhs.com</a></td>
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<td>John Snow Web site</td>
<td><a href="http://www.johnsnow.org">www.johnsnow.org</a></td>
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<td>Maps of the world</td>
<td><a href="http://www.embassyworld.com/maps">www.embassyworld.com/maps</a></td>
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<td>The Global Fund For AIDS, TB, and Malaria</td>
<td><a href="http://www.globalfundatm.org">www.globalfundatm.org</a></td>
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<td>Global Health Council</td>
<td><a href="http://www.globalhealth.org">www.globalhealth.org</a></td>
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<td>The Population Reference Bureau</td>
<td><a href="http://www.prb.org">www.prb.org</a></td>
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<td>UNAIDS</td>
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<td>UNICEF</td>
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<td>United Nations Development Program</td>
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<td>USAID</td>
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<td>US Centers for Disease Control and Prevention</td>
<td><a href="http://www.cdc.gov">www.cdc.gov</a></td>
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<td>Public health epidemiology</td>
<td><a href="http://www.acepidemiology.org">http://www.acepidemiology.org</a></td>
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<td>Statistics</td>
<td><a href="http://www.ams.org/sections/ep/SGE">http://www.ams.org/sections/ep/SGE</a>_ Home.htm</td>
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<td>Biostatistics</td>
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<td>Health Care Statistics</td>
<td><a href="http://www.nchcs.org">www.nchcs.org</a></td>
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<td>Technical workers</td>
<td><a href="http://www.aideowrkers.net/technical/health/epidemiology.html">http://www.aideowrkers.net/technical/health/epidemiology.html</a></td>
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<td>Infectious disease</td>
<td><a href="http://www.bt.cdc.gov/Agent/agentlist.asp">http://www.bt.cdc.gov/Agent/agentlist.asp</a></td>
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<td>Microbiology</td>
<td><a href="http://www.microbeworld.org/htm/cissues/resist/resist_1.htm">http://www.microbeworld.org/htm/cissues/resist/resist_1.htm</a></td>
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<tr>
<td>Association &amp; Causation</td>
<td><a href="http://www.who.int">http://www.who.int</a></td>
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**Guidelines for Bibliography and References**

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<th>Format to Follow</th>
<th>Edition</th>
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<tr>
<td><em>Publication Manual of the American Psychological Association</em></td>
<td>6th, 2010</td>
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**Class Schedule:** This syllabus is based on a 15-week on-line undergraduate course which covers at least one chapter weekly. **The Navigate Schedule** is the course schedule and is in BB9.1. You are responsible to keep up with the course schedule. Be sure to print out the followed for course lesson objectives and schedule.

**Course Changes:**

Elements of the Course Schedule are subject to change. Any changes will be announced on the Course Announcement Calendar.

**Course Policies:**

Course communication is via BB9.1. The Professor is available per course mail 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.

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 consult with an Academic Advisor regarding their degree plan and/or changes to their degree plan. The Academic Advisor will set up a degree plan and indicate plan is active by signing the plan. Once the plan is completed it will be filed in the student’s record. The College’s Academic Advising Center is located in Island Hall Room 319. The Undergraduate Academic Advisor is Angelica Santillan at Extension 2461 and the Graduate Academic Advisor at extension 5893.

**Class Cancellation:** In the event that a class is canceled, the student is expected to do the readings and complete the objectives and quizzes for that day.

**Late Work:** Quizzes and assignments must be submitted by midnight of the due date. Except for excuses related to force majeure, late assignments are graded down by two points for each late day.

**Academic Integrity:** Scholastic dishonesty will not be tolerated. See the TAMU University Student Handbook: Article III, section – B (Prescribed Conduct) for a complete list. As commonly defined, plagiarism is passing off as one’s the ideas, words, work, writing, etc. which belongs to another person. You are committing plagiarism if you copy the work of another person and turn it is as your own, even if the other person has given you permission. To avoid plagiarism - Cite your sources. All students are expected to.

**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 Rule 13.02.99.C2, Student Grade Appeals, and University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures. These documents are accessible through the University Rules Website 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.

**Evaluation: How you get your grade**

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<th>Evaluation Items</th>
<th>Percentage</th>
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<tr>
<td>Chapter Assignments</td>
<td>20%</td>
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<tr>
<td>Chapter Quizzes (5)</td>
<td>15%</td>
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<tr>
<td>Chapter Tests (3)</td>
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<tr>
<td>Navigate Quizzes (10)</td>
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<tr>
<td>Final Exam</td>
<td>25%</td>
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<td><strong>Total</strong></td>
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**College of Nursing and Health Sciences Grading Scale**

A = 89.5 - 100  B = 89.4 - 82.5  C = 82.4 - 74.5  D = 74.4 - 66.5  F = Below 66.4

**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
University catalog related to academic integrity and honesty:  http://catalog.tamucc.edu/

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 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.

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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.