HCL 4010: Healthcare Statistics & Research

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HCL 4010 Healthcare Statistics and Research

COURSE DESCRIPTION: This course presents an overview of how healthcare research and statistics are essential to problem solving and decision making in the Managerial Decision-Making Process as a Healthcare Leader.

PREREQUISITES: NONE REQUIRED


ADDITIONAL MATERIALS: PowerPoint slides and handouts to accompany the textbook will be available online along with applicable websites (UMDrive or Canvas).

SUPPORT OF CONCEPTUAL FRAMEWORK: This course will introduce students to research ethics, data collection methods, protocol development, descriptive statistics and writing success strategies.

METHODS OF INSTRUCTION: THIS COURSE WILL BE PRESENTED ONLINE IN THE CANVAS LEARNING MANAGEMENT SYSTEM. Online courseware, videos, podcast, power point, and webinars are methods of instructions delivered in this course. Class participation is mandatory for online discussion boards, blogs, and online chats. Chapter(s) reading in the textbook must be completed before online discussions. As needed a power point presentation will be available online prior to class.

COURSE LEARNING OUTCOMES: The following will be reviewed in detail throughout this course. Students’ knowledge will be tested related to these key variables.

1. Students will gain knowledge of the purpose of health research.
2. Students will gain a comprehensive overview of systematic reviews and meta-analyses, including strings, search limiters, and statistics for pooled analysis.
3. Student will become familiar with the institutional review boards (IRBs), content on IRB documentation, exempted research, and conflicts of interest (COI).
ASSIGNMENTS, EXAMS, AND GRADING CRITERIA:
The following methods will assist with the determination of students’ final grade:
1. Exams 1, 2, 3 (100 points each) Total 300 points
2. Assignments 10 (25 points each) Total 250 points
3. Discussions Posts 2 (25 points each) Total 50 points

There will be no extra credit or bonus points available for this class so be sure to complete and submit all assignments by the due date.

The total of 600 available points will be used to compute a percentage of 100.

Grading will be as follows:
\[
\begin{align*}
\geq 97 & \quad \text{A+} \\
\geq 93 & \quad \text{A} \\
\geq 90 & \quad \text{A-} \\
\geq 87 & \quad \text{B+} \\
\geq 83 & \quad \text{B} \\
\geq 80 & \quad \text{B-} \\
\geq 77 & \quad \text{C+} \\
\geq 73 & \quad \text{C} \\
\geq 70 & \quad \text{C-} \\
\geq 67 & \quad \text{D+} \\
\geq 60 & \quad \text{D} \\
< 60 & \quad \text{F}
\end{align*}
\]

Exams 1, 2, 3, 4
Exams will generally consist of multiple choice, true/false, short answer, and matching questions specific to covered material. More specific information regarding exam format may be made available prior to each exam. Each of the three exams cover specific assigned chapters from the textbook and are not comprehensive.

Class Assignment
The class will include a critical thinking assignment related to that specific week’s subject. These assignments will be uploaded in Canvas and be due at the end of each week.

Online Discussion Board Participation and Student Interactions
The class will also include some discussion topics which are related to course content. Here the student gives his/her perspective and it is available to be viewed by other students. In addition, the student reacts to the postings of two other students. Discussion Board Guidelines are included in the course content. Failure to follow discussion board guidelines will result in point reduction. Discussions and responses to peers are completed in Canvas.

Guidelines for Communication: Your primary source of communication to me is through email. Emails are returned in a timely fashion typically within 24 hours during the weekday and 24 to 48 hours on the weekend. For prompt responses to emails please use your @memphis.edu account and send the message to my University e-mail address gshughes@memphis.edu. If you would like to set up a face to face meeting you can send me an email request and a meeting time will be scheduled. Be sure to review Communication Policy in course content for complete detailed information.

ATTENDANCE: Attendance will be recorded in compliance with the online policies of the University of Memphis.

RELATED COURSE INFORMATION

ACADEMIC INTEGRITY
Plagiarism, cheating and other forms of academic dishonesty are prohibited. Students guilty of academic misconduct, either directly or indirectly, through participation or assistance, are immediately responsible to the instructor of the class in addition to other possible disciplinary sanctions which may be imposed through the regular institutional disciplinary procedures. (https://www.memphis.edu/osa/students/academic-misconduct.php)
PLAGIARISM: Plagiarism includes, but is not limited to, the use, by paraphrase or direct quotation, of the published or unpublished work of another person without full or clear acknowledgment. It also includes the unacknowledged use of materials prepared by another person or agency in the selling of term papers of other academic materials. Once your submission is submitted through drop box, a similarity score is generated through the Turnitin database for an evaluation of the originality of your ideas and proper use and attribution of sources. Any submitted items with more than 30% similarity score will not be accepted and will reviewed for possible plagiarism. If it is determined after investigation that plagiarism occurred the student will receive a 0 in addition to other possible disciplinary sanctions which may be imposed through the regular institutional disciplinary procedures. By taking this course, you agree that all assignments may undergo this review process and that the assignment may be included as a source document in Turnitin restricted access database solely for detecting plagiarism in such documents. Any assignment not submitted according to the procedures given by the instructor may be penalized or may not be accepted at all. Please refer to the University’s “Code of Student Conduct” for actions that may result from student academic misconduct.

AWARDING AN INCOMPLETE GRADE: A grade of “I” (Incomplete) may be assigned by the Instructor of any course in which the student is unable to complete the work due to EXTRAORDINARY events beyond the individual’s control. The “I” may not be used to extend the term for students who complete the course with an unsatisfactory grade. Unless the student completes the requirements for removal of the “I” within 45 days (for undergraduate courses, or 90 days for graduate courses) from the end of the semester or Summer term in which it was received, the “I” will be changed to an “F,” regardless of whether or not the student is enrolled.

PROMOTING A POSITIVE LEARNING ENVIRONMENT: The College of Health Sciences recognizes its responsibility to promote a safe and diversity-sensitive learning environment that respects the rights, dignity, and well-being of students, faculty, and staff. Diversity means the fair representation of all groups of individuals, the inclusion of contrasting perspectives and voices, together with the appreciation and valuing of different cultural and socioeconomic group practices. Moreover, we aspire to foster a climate of mutual respect and empathy, among and between students, faculty, and staff, by nurturing an atmosphere that is free from discrimination, harassment, exploitation, or intimidation. Departmental courses will strive to provide an opportunity for all students to openly discuss issues of diversity including, but not limited to, age, disability, ethnicity, gender, race, religious beliefs, and sexual orientation.

STUDENT ACCOMMODATIONS
Students with accessibility issues or learning accommodation issues due to a disability should contact Disability Resources for Students (DRS) to submit an official request for course accommodations. Contact DRS at 901.678.2880 or at drs@memphis.edu. (https://www.memphis.edu/drs/index.php)

SPECIAL NEEDS: Any student who has special needs for assistance and/or accommodation, and who is registered with the Office of Student Disability Services should meet with the instructor during the first week of classes.

AMERICANS WITH DISABILITIES ACT: The University of Memphis does not discriminate on the basis of disability in the recruitment and admission of students, the recruitment and employment of faculty and staff, and the operation of any of its programs and activities, as specified by federal laws and regulations. The student has the responsibility of
informing the course instructor (at the beginning of the course) of any disabling condition, which will require modification to avoid discrimination. Faculty is required by law to provide "reasonable accommodation" to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with informing faculty at the beginning of the semester and in providing authorized documentation through designated administrative channels.

DEALING WITH HARASSMENT: The College of Health Sciences believes it is important to respond to insensitive and inappropriate behavior in a spirit of collegiality, mutual respect, and professionalism. If you believe that you have been the target of discrimination by another student, faculty member, or staff member, due to age, disability, ethnicity, gender, race, religious beliefs, sexual orientation, or cultural group membership, you can choose to pursue one or more of the following avenues:
The most direct approach, if you feel comfortable doing so, is to speak directly to the person whose behavior you consider to be inappropriate. You may speak to the instructor, and HSS faculty member, the Dean Richard Bloomer rbloomer@memphis.edu (678-4165), or the University’s Affirmative Action Officer (678-2713). You may contact the Assistant Dean of Students (678-2298), in the Office of Student Judicial Affairs. It is important that you speak immediately to someone, with whom you feel comfortable, in order that your concerns can be handled promptly and fairly. In all complaints of discrimination, including sexual harassment, the Office of Affirmative Action will be notified.

STUDENT HEALTH
Students who have a positive COVID-19 test should contact the Dean of Students at deanofstudents@memphis.edu.

STUDENT RESOURCES
Students who need additional resources can visit the Dean of Students Office website at https://www.memphis.edu/deanofstudents/crisis/index.php.

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