

**Texas A&M University Central Texas  
HEAD 5314 - 110 – Health Informatics and Trends  
Instructor: Dr. Roe Roberts PhD MPH  
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Wichita Falls, TX  
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(Utilize Canvas Messages for course communications)  
Office Hours: Tuesday 10A – 2P Wednesday 1P – 6P  
You can contact me via email Monday-Thursday**

**Mode of instruction and course access:** This course is an online course.

CANVAS log in: <https://tamuct.instructure.com>

This is an intensive 16 week course. This means that you must budget your time wisely and accomplish work in advance so that your submissions will be on time.

All assignments, exam(s) and papers will be accessed and submitted in the class WEEK Module in Canvas. **Work is assigned each week, including WEEK 1**

**Student-instructor interaction:**

Welcome to HEAD 5314

This is an online course with weekly assignments beginning in WEEK 1. Ensure that you allow sufficient time during the week to stay up with the course requirements.

At a minimum, I will be checking Canvas and email every morning, except Friday, Saturday and Sunday. I will attempt to respond to your emails in less than 48 hours depending on the depth of response needed. Email or Canvas messages sent Friday through Sunday will receive a response no later than the following Monday afternoon.

Online learning requires students to be very self-disciplined, be sure you understand and are prepared to comply with all required class assignments and deadlines. For this course, the Weekly Assignments are posted in the syllabus and on Canvas with due dates controlled by the submission dates on Canvas. If there is a conflict in due dates, which I try to avoid, the Canvas date controls. Notice that the Canvas submission time is 11:59 pm and that you may no longer make submission, other than late submissions, starting at 12:00 AM. Submissions are to be made on Canvas in the associated Assignment drop box, contained in the WEEK due, before the due date.

**You must be self-motivated, very disciplined, and an excellent planner of your time to complete a course with satisfactory results. This is a 16 week course. Plan well and allocate sufficient time to complete the assignments, quizzes, exams, and research paper in a timely manner. Late submissions are not accepted without severe penalties. No late submissions will be allowed once the assignment is graded. If you scheduled for a deployment, business trip, or have an emergency it is your responsibility to inform me as early as possible. All assignments are available early so you can work ahead.**

**911 Cellular:** Emergency Warning System for Texas A&M University – Central Texas 911Cellular is an emergency notification service that gives Texas A&M University-Central Texas the ability to communicate health and safety emergency information quickly via email, text message, and social media. All students are automatically enrolled in 911 Cellular through their myCT email account. Connect at 911Cellular [<https://portal.publicsafetycloud.net/Texas-AM-Central/alert-management>] to change where you receive your alerts or to opt out. By staying enrolled in 911Cellular, university officials can quickly pass on safety-related information, regardless of your location.

## **COURSE INFORMATION**

### **1.0 Course Overview and description:**

This course provides for the highest cognitive and affective understanding of applied health care informatics in health services organizations. Theoretical frameworks and empirical analyses will be used to emphasize organizational and provider services. These services will be assessed in relation to capacities and competencies within the health care industry and patient/client needs and wants.

**Prerequisites:** Graduate Status or permission of instructor.

## **COURSE and TEXTBOOK OBJECTIVES**

**2.0 (As I don't have copy of the text I will add this section in when I receive it.)**

### **3.0 Required Reading and Textbook(s):**

#### **3.1 Textbooks**

**Required:** Health Informatics, 2nd Edition

- Authors: Brown, Pasupathy, Patrick
- Publisher - Health Administration Press
- ISBN: 9781640550056

The same textbook may also be available from an independent retailer, including an online retailer.

## **COURSE REQUIREMENTS**

### **4.0 Course Requirements:**

#### **Academic Integrity, Grading Criteria Rubric, and Conversion:**

A&M-Central Texas is committed to high standards of integrity and ethical conduct. Participating in behavior that violates academic integrity (e.g., including but not limited to - unauthorized collaboration on assignments, plagiarism, multiple submissions of the same assignment, cheating, fabricating information, helping another person cheat, altering or destroying the work of others, fraudulently altering academic records) will result in academic discipline including: receiving a failing grade on an assignment, examination or course, receiving a notation of a violation of academic integrity on your transcript, or being suspended from the University. You have the right to appeal.

**GRADING** A: 90-100 mean points, B: 80-89 mean points,  
C: 70-79 mean points, D: 60-69 mean points, F: Below 60 mean points  
(C is Barely Passing at Graduate Level; You must obtain 3.0 GPA to Graduate)

#### **COURSE ASSESSMENT PERCENTAGE**

**Class Participation/Discussions 30% (30 pts)**

**Final Paper 45% (45pts)**

**Final Exam 25% (25pts)**

### **4.1 Discussion Questions (30 points)**

Canvas discussions are graded based on weekly discussion questions posted with replies/answers. Each Canvas (online) class is assessed for participation where students must post in the discussion area with replies, with at least one reply to the professor and two other students for an A (i.e., 3 replies per week on average), to the professor and another student for a B (i.e., 2 replies per week on average), and to the professor for a C (i.e., 1 reply per week on average). Therefore, to obtain at least a B, you must be punctual in that you are interacting on a weekly basis, and that you are answering the question posted on a weekly basis, as well as interacting with at least one peer-related student answer.

All posts must be supported with APA reference(s). If you do not post within the time indicated, or within the deadline for each week as noted in the discussion, then you will not receive credit for that week. You may post throughout the semester in the event you want to post to a previous discussion, but it will not count in your participation **UNLESS YOU ALREADY POSTED FOR THAT WEEK**. Therefore, please be fair to all students and post at least a reply on a weekly basis to ensure you can come back and post more in the remaining part of the semester. Students will receive an unofficial midterm grade to provide feedback for the remainder of the course.

We will have Discussion Questions every week of the course. Each discussion question will have its own threaded discussion space. You are expected to offer responses to these questions and/or comments on your classmates' responses. I will monitor the quantity and quality of your responses. If the quality of your postings is not sufficient, the points will not be earned. You are expected to contribute to the class discussions in meaningful ways. That means:

- Contributing new and relevant information to the course discussion and online sources;
- Commenting in a positive manner;
- Building on the remarks of your fellow students;
- Posing questions of your fellow students; and sharing quotes, websites, and other supplementary information.
- Demonstrating practical application of the week's key concepts from your professional/personal experience.
- "Substantive" does not include "I agree," "Great point" or "You're wonderful" type postings. These types of postings are examples of positive "teaming" and are fine but not by themselves. They do not add depth or breadth to the discussion.
- A "substantive" posting should include:
  - Your thesis (main point)
  - Your supporting arguments
  - A reference to class or outside material to support your thesis - provide an example to support your thesis.

**Remember, you must post at least one reply for that week's participation to count for the rest of the semester. If you post after the deadline, none of the posts will count. If you post at least one reply prior to the deadline, you may continue to post thereafter and all will count for that week.**

#### 4.2 Exam (25 points)

All exam(s) are available in Canvas. If you work on weekends to catch up, please plan ahead and work the previous weekend to accomplish your assignments.

The exam(s) will be timed and will consist of multiple choice, short answer, and fill in the blanks questions. Once the exam is started it must be completed in the same setting. Exiting the exam for any reason will cause the exam to no longer be available.

#### 4.3 Research Paper - (45 points)

Prepare a research paper relating to *CURRENT Health Care Information Systems TOPICS*. You must research current authoritative literature and obtain sufficient competent information to substantiate your conclusions. The paper should be a minimum of 15 pages (cover and reference pages do not count toward the total). Due to the rapidly changing nature of the health care field, at least 10 of your sources cannot be over 4 years old. **These sources should be composed of at least 10 articles from authoritative literature. Authoritative literature includes refereed journals, Court Cases, government regulations, and professional publications such as professional journals, and other reputable publications.** Do not cite blogs, internet sources other than professional journals, magazines, newspapers or Wikipedia. Do not cite an abstract. **Do not cite the textbook used for this course or other books. Citing inappropriate sources will result in a point deduction as they will be considered as "Filler to increase paper length", and will be subtracted from your paper's length.**

**Read and learn the information regarding research and writing found at: <https://owl.english.purdue.edu/owl/>**

**Read and ensure you understand the process and requirements found under "General Writing" and "Research and Citation" on the Purdue Owl website. Any departure from the Owl requirements except for the additional requirement in this class that you have a page number citation on each paraphrase or summary of a page, in addition to the requirements for page numbers in a direct quote.**

The purpose of the research paper is to prepare you for research and writing projects you will encounter in your business career. The research paper is also a graded assignments for SOCS accreditation purposes.

You must conduct sufficient initial research on a proposed topic to ensure that there are sufficient articles available to support your topic. During the initial research you may find a different topic that is more interesting and better supported. Do not submit a topic for approval until you have accomplished your initial research.

Students have the option of turning in a 8 pp. min. (with Bib) draft of the paper by the middle of the course as indicated below, for comments and a tentative grade. As this is only a draft version, your paper grade can still go up or down for the final. However, my hope is the comments will help you improve your work.

Be aware that I submit all papers to Turnitin for review.

**CONTENT (40% of paper grade)**

Criteria	“A” paper(90 – 100%)	“B” paper (80 – 89%)	“C” paper (70 – 79%)	“D” or lower paper (below 70%)
<b>Content</b> <i>Author produces accurate, logical, coherent, and well-structured writing and a proper conclusion for the research assignment.</i>	All ideas are presented accurately and in a logical order. Ideas are clearly introduced and connected. Body includes sufficient level of detail, and conclusion summarizes main idea or effectively closes the presentation. All authoritative sources are utilized correctly.	Ideas are presented in an overall logical order. The writing includes introduction to, development of, and conclusion for the topic. There are no distracting shifts in presentation of ideas throughout the writing. All authoritative sources utilized relate effectively to the research topic	Most ideas are presented in a logical order. There is an indication of an organized research effort with properly cited authoritative data to support the research topic.	Weak research and few or no authoritative citations to support the research subject Details may be missing, disjointed, or inapplicable. Inaccurate or misleading paraphrase
<b>Inadvertent Plagiarism</b> <i>( Negative Points for each occurrence) Sources not correctly cited Personal or “common knowledge” is not acceptable in research and will be treated as sources not cited for the determination of Plagiarism.</i>	All sources correctly cited. No points deducted	1-3 sources not cited.(-10 points per occurrence)  <b>Not citing includes not properly citing direct quotes. At the graduate level few if any quotes should be used, it is much more effective to put the information into your own words as it enhances the flow of the paper.</b>	4-5 sources not cited.(-20 points per occurrence)	More than 5 sources not cited. (-100 point deduction and an F on the paper)

**MECHANICS (60% of paper grade)**

Criteria	“A” paper(90 – 100%)	“B” paper(80 – 89%)	“C” paper(70 – 79%)	“D” or lower paper (below 70%)
<b>Format, Organization &amp; Writing Standards</b> <i>Student produces logical, coherent, and well-structured writing.</i>	All ideas are presented in a logical order. Ideas are clearly introduced and connected. Body includes sufficient level of detail, and conclusion summarizes main idea or effectively closes the presentation. Impeccable spelling, grammar, word usage, sentence structure, punctuation, and citation format. Page Numbers in all citations including quotes and paraphrases. This is	Ideas are presented in an overall logical order. The writing includes introduction to, development of, and conclusion for the topic. There are no distracting shifts in presentation of ideas throughout the writing. 3-4 errors in spelling, grammar, word usage, and punctuation. Proficient use of proper APA citation format.	Most ideas are presented in a logical order. There is an indication of an organizational pattern—introduction, body and conclusion—although they may not be equally effective. Level and organization of details may be weak with occasional distracting shifts in presentation of ideas. 5-6 errors in grammar, spelling, sentence structure, word usage, punctuation, or citations.	Limited presentation in logical order. Writing occasionally fragmented with very weak considerations for presentation. Details may be missing, disjointed, or inapplicable. 7 or more errors in grammar, spelling, sentence structure, word usage, punctuation, or citations. Poor writing skills.

	an APA guideline departure.	3 page numbers omitted in citations. This is an APA guideline departure.	4 page numbers omitted in citations. This is an APA guideline departure	5 page numbers omitted in citations. This is an APA guideline departure
<b>Spelling and misused words</b>	<i>Words are spelled correctly and used in a grammatically correct manner.</i>	Words which are incorrectly spelled or used incorrectly will incur a 5 point penalty for each occurrence.		

### POSTING OF GRADES

All grades will be distributed via your official student email. Please ensure you visit your student email periodically since I may discuss your interactions in discussions, as well as your midterm draft paper grade. Final grade discussions will also be via your official student email.

### 5.0 COURSE OUTLINE AND CALENDAR

<b>Timeline:</b>	<b>Date:</b>	<b>Readings</b>	
Week 1:	January 14, 2019	Chapter 1	
Week 2:	January 22, 2019	Chapter 2	
Week 3:	January 28	Chapter 3	
Week 4:	February 4, 2019	Chapter 4	
Week 5:	February 11, 2019	Chapter 5	
Week 6:	February 18, 2019	Chapter 6	
Week 7:	February 25, 2019	Chapter 7	
Week 8:	March 4, 2019	Chapter 8	[Draft Paper Due at Midnight March 4, 2019]
March 11-15, 2019 Spring Break			
Week 9:	March 18, 2019	Chapter 9/10	
Week 10:	March 25, 2019	Chapter 11	
Week 11:	April 1, 2019	Chapter 12	
Week 12:	April 8, 2019	Chapter 13	
Week 13:	April 15, 2019	Chapters 14	
Week 14:	April 22, 2019	Chapter 15	
Week 15:	April 29, 2019	Chapter 16	[Final research paper due May1, 2019]
<i>Week 16: Start Final Examination: Start May 2, 2019, Due May 7, 2019 at midnight</i>			