Computer Applications in Health Care
AH 287

Credits: 2 credits

Course Description: This course is designed to be a practical, hands-on introduction for students to the electronic health record (EHR). Students will learn to become proficient in the EHR software before they encounter it in their workplace. The student will gain a thorough knowledge of both the terminology of the EHR systems and the practical uses of similar systems in a healthcare setting.

Pre-/Co-requisites: AH 171 – Medical Terminology

Instructor Information:
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Course Objectives:
- The student will learn procedures for storing and retrieving patient health records and chart notes.
- The student will learn the processes for transferring and importing documents to electronic formats.
- The student will utilize a software application for creating patient health information records.
- The student will learn how to read and interpret health information records.
- The student will learn key terms and abbreviations relative to health information technology.
- The student will learn how to enter patient demographics.
- The student will learn topics such as problem lists, assessments, prescription/medication management, exam notes, transcription, coding, and diagnostic/laboratory orders and results.


Course Requirements:
- The student is expected to read the assigned reading material and complete assignments.
- The student will be expected to participate in any class discussions related to the electronic health record.
• The student will be required to complete all assignments, chapter quizzes, and final exam. If prior arrangements have not been made, late assignments are worth half credit.
• Exams are to be closed book, closed notes, and closed neighbors. Make-up exams are not allowed unless prior arrangements have been made in advance with the instructor. Once the due date has passed, the exam cannot be made up.
• A letter grade will be awarded upon the completion of the course.

Grading Scale: There are a total of 400 points for this course. There are several assignments and forum discussion throughout the course.
384 to 400 points / 94% to 100% = A
352 to 383 points / 88% to 93% = B
328 to 351 points/82% to 87% = C
306 to 327 points/76% to 81% = D
305 points and below/75% and below = FAIL

Tentative Course Outline
Introduction and Syllabus
Chapter 1: Electronic Health Records – An Overview
Chapter 2: Functional EHR Systems
Chapter 3: Learning Medical Record Software
Chapter 4: Increased Familiarity with the Software
Chapter 5: Data Entry at the Point of Care
Chapter 6: Understanding Electronic Orders
Chapter 7: Problems Lists, Results Management, and Trending
Chapter 8: Data Entry Using Flow Sheets and Anatomical Drawings
Chapter 9: Using the EHR to Improve Patient Health
Chapter 10: Privacy and Security of Health Records
Chapter 11: Using the Internet to Expedite Patient Care
Chapter 12: EHR Coding and Reimbursement
FINAL

General Education Goals/Objectives:
• Critical thinking in the completion of EHR assignments (Gen Ed #2)
• Knowledge and application of EHR technology (Gen Ed #3)

Relationship to Campus Theme: The student will learn up-to-date technology as it applies to the electronic health record in the healthcare setting. These assignments will require problem solving, application of previous course materials, and interaction with other students.

Classroom Policies: Attendance in the course, completion of assignments and quizzes, and respect for the instructor and other students. Cell phones must be turned off or set to vibrate during class.
**Academic Integrity:** All students are expected to adhere to the highest standards of academic integrity and honesty. Dishonesty in the classroom assignments, quizzes, and exams is a serious offense and is subject to disciplinary action by the instructor and college administration. For more information, refer to the Student Handbook.

**Disabilities and Special Needs:** Students who have a disability for which they need accommodations are encouraged to contact their instructor and the Learning Center (228-5479 or 1-888-918-5623) to request disability support services as early as possible during the beginning of the semester.