COURSE OUTLINE: HIN105 - INFO MANAGEMENT

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Approved: Martha Irwin - Dean

Course Code: Title	HIN105: INFORMATION MANAGEMENT & CLINICAL DECISI
Program Number: Name	2197: HEALTH INFORMATICS
Department:	COMPUTER STUDIES
Academic Year:	2025-2026
Course Description:	This course will explore the difference between information and knowledge while focusing on their individual importance in health care informatics. Students will learn about the radical changes to how health information is being gathered, stored, analyzed, and reported. The technology and applications designed to contain health information are evolving rapidly, thus students will examine how these changes are impacting clinical decision-making and practice.
Total Credits:	3
Hours/Week:	3
Total Hours:	45
Prerequisites:	There are no pre-requisites for this course.
Corequisites:	There are no co-requisites for this course.
Vocational Learning Outcomes (VLO's) addressed in this course: **Please refer to program web page for a complete listing of program outcomes where applicable.**	**2197 - HEALTH INFORMATICS** VLO 1 Assess organizational requirements for health information system technologies (HIST). VLO 5 Integrate relevant standards and professional, ethical and legislative requirements with the appropriate health information system technologies.
Essential Employability Skills (EES) addressed in this course:	EES 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience. EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication. EES 6 Locate, select, organize, and document information using appropriate technology and information systems. EES 7 Analyze, evaluate, and apply relevant information from a variety of sources. EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others. EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals. EES 10 Manage the use of time and other resources to complete projects. EES 11 Take responsibility for ones own actions, decisions, and consequences.
Course Evaluation:	Passing Grade: 50%, D

	A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.
Other Course Evaluation & Assessment Requirements:	A+ = 90-100% A = 80-89% B = 70-79% C = 60-69% D = 50-59% F < 50% Students are expected to be present to write all tests in class, unless otherwise specified. If a student is unable to write a test due to illness or a legitimate emergency, that student must contact the professor prior to class and provide reasoning. Should the student fail to contact the professor, the student shall receive a grade of zero on the test. If a student is not present ten (10) minutes after the test begins, the student will be considered absent and will not be given the privilege of writing the test. Students exhibiting academic dishonesty during a test will receive an automatic zero. Please refer to the College Academic Dishonesty Policy for further information. In order to qualify to write a missed test, the student shall have: a.) attended at least 75% of the classes to-date. b.) provide the professor an acceptable explanation for his/her absence. c.) be granted permission by the professor. NOTE: The missed test that has met the above criteria will be an end-of-semester test. Labs / assignments are due on the due date indicated by the professor. Notice by the professor will be written on the labs / assignments and verbally announced in advance, during class. Labs and assignments that are deemed late will have a 10% reduction per academic day to a maximum of 5 academic days at 50% (excluding weekends and holidays). Example: 1 day late - 10% reduction, 2 days late, 20%, up to 50%. After 5 academic days, no late assignments and labs will be accepted. If you are going to miss a lab / assignment deadline due to circumstances beyond your control and seek an extension of time beyond the due date, you must contact your professor in advance of the deadline with a legitimate reason that is acceptable. It is the responsibility of the student who has missed a class to contact the professor immediately to obtain the lab / assignment. Students are responsible for doing their own work. Labs / assignments that are handed in and are deemed identical or near identical in content may constitute academic dishonesty and result in a zero grade. Students are expected to be present to write in-classroom quizzes. There are no make-up options for missed in-class quizzes. Students have the right to learn in an environment that is distraction-free, therefore, everyone is expected to arrive on-time in class. Should lectures become distracted due to students walking in late, the professor may deny entry until the 1st break period, which can be up to 50 minutes after class starts or until that component of the lecture is complete. The total overall average of test scores combined must be 50% or higher in order to qualify to pass this course. In addition, combined tests, Labs / Assignments total grade must be 50% or higher.

Course Outcomes and Learning Objectives:

Course Outcome 1	Learning Objectives for Course Outcome 1
Identify the principles of data and health information management.	1.1 Identify types of health care data. 1.2 Explain concepts of data quality, data integrity, data security and privacy. 1.3 Explain the functions of data dictionary, data warehouse, and data mining.
Course Outcome 2	**Learning Objectives for Course Outcome 2**
Define clinical classifications, nomenclatures, and terminologies and their application in health coding and informatics.	2.1 Review the structure and significance of the International Classification of Diseases and Related Health Problems (ICD-10-CA). 2.2 Explain Canadian Institute for Health Information (CIHI) grouping methodologies. 2.3 Define data quality principles for coding health data.
Course Outcome 3	**Learning Objectives for Course Outcome 3**
Identify key health information standards, how they are governed, and how they are implemented in various health care settings.	3.1 Identify key Standards Development Organizations. 3.2 Explain the Standards Life Cycle. 3.3 Identify which health information standards apply in the Canadian context.
Course Outcome 4	**Learning Objectives for Course Outcome 4**
List health information management principles.	4.1 Explain the core components of health information management planning. 4.2 Explain principles of data capture, collection, access, use, dissemination, maintenance and protection.
Course Outcome 5	**Learning Objectives for Course Outcome 5**
Explain the broad context of Electronic Health Record (EHR) development in Canada.	5.1 Explore the current status of EHR development and deployment within Canada. 5.2 Exlore the role of Canada Health Infoway in EHR development. 5.3 Define health information management issues in the EHR. 5.4 Identify data quality elements pertaining to the EHR.
Course Outcome 6	**Learning Objectives for Course Outcome 6**
Explain secondary uses of health data and health databases.	6.1 List limitations to secondary uses of data. 6.2 List various registries and secondary uses of data. 6.3 Define the role of Statistics Canada pertaining to health data.
Course Outcome 7	**Learning Objectives for Course Outcome 7**
Identify the legal aspects of health information management.	7.1 Define how health information is regulated within Canada. 7.2 Explain principles and actions to support confidentiality, privacy, and security of health information. 7.3 Explain the requirements for retention and destruction of health records. 7.4 Explain how health records are used as evidence in legal proceedings. 7.5 Explain the legal aspects of health information disclosure.

	Evaluation Type	Evaluation Weight
Evaluation Process and Grading System:	Assignments	30%
	Exam	20%
	Professional Skills Assignment	20%
	Quizzes	30%

Date: June 19, 2025

Addendum: Please refer to the course outline addendum on the Learning Management System for further information.