COURSE OUTLINE: HIN105 - INFO MANAGEMENT

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Course Code: Title	HIN105: INFORMATION MANAGEMENT & CLINICAL DECISI
Program Number: Name	2197: HEALTH INFORMATICS
Department:	COMPUTER STUDIES
Semesters/Terms:	20F, 21S, 21F
Course Description:	This course will not only explore the difference between information and knowledge but also 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. These changes are evolving rapidly and impacting the design of the technology and applications meant to contain health information. These advancements also impact clinical decision-making and practice. Students will examine how these changes will influence their own 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 3 Execute mathematical operations accurately. EES 4 Apply a systematic approach to solve problems. EES 5 Use a variety of thinking skills to anticipate and solve problems. 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.

In response to public health requirements pertaining to the COVID19 pandemic, course delivery and assessment traditionally delivered in-class, may occur remotely either in whole or in part in the 2020-2021 academic year.

	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:	Due to varying program standards, some courses may require a higher passing grade. A passing grade in a course in one program may not be considered a passing grade in that course in another program.

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**
Understand 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 apply 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**
Identify 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**
Understand 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 Understand 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**
Identify secondary uses of health data and health	6.1 Identify limitations to secondary uses of data. 6.2 Identify various registries and secondary uses of data.

	databases.	6.3 Identify 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 Process and Grading System:

Evaluation Type	Evaluation Weight
Assignments	30%
Exams	20%
Presentation	10%
Quizzes	40%

Date: April 29, 2021

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