COURSE OUTLINE: HIN203 - HEALTH INFO SYS ANLS

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Approved: Corey Meunier, Chair, Technology and Skilled Trades

Course Code: Title	HIN203: HEALTH INFORMATICS SYSTEMS ANALYSIS & EV
Program Number: Name	2197: HEALTH INFORMATICS
Department:	COMPUTER STUDIES
Semesters/Terms:	21W
Course Description:	This course focuses on current and evolving systems used in health care settings. In a computerized lab environment, students will assess existing processes and create potential ones using different business or clinical process mapping methodologies and modeling tools. Concepts, techniques, and methodologies used in a systems development life cycle, as well as strategies of systems analysis, design and implementation will be discussed. The use of a variety of IT infrastructure management models will be studied. The role of various individuals in an organization will be analyzed in light of best practices in system development, training and implementation.
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 4 Apply business and system analysis techniques to evaluate the effectiveness of health information systems technologies within a health-related setting. VLO 8 Communicate effectively and professionally to promote inter-professional collaboration across the organization.
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 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.

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 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:	The student must pass both the lab and test portions of the course. Attendance: Sault College is committed to student success. There is a direct correlation between academic performance and class attendance, therefore, for the benefit of all its constituents, all students are encouraged to attend all of their scheduled learning and evaluation sessions. This implies arriving on time and remaining for the duration of the scheduled session. Absences due to medical or other unavoidable circumstances should be discussed with the instructor. Students are required to be in class on time and attendance will be taken within the first five minutes of class. Absentee reports will be discussed with each student during regular meetings with Faculty Advisors. Grade Definition Grade Point Equivalent A+ 90 - 100% 4.00 A 80 - 89% B 70 - 79% 3.00 C 60 - 69% 2.00 D 50 - 59% 1.00 F (Fail) 49% and below 0.00 CR (Credit) Credit for diploma requirements has been awarded. S Satisfactory achievement in field /clinical placement or non-graded subject area. U Unsatisfactory achievement in field/clinical placement or non-graded subject area. X A temporary grade limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course. NR Grade not reported to Registrar`s office. W Student has withdrawn from the course without academic penalty
Books and Required Resources:	Modern Systems Analysis & Design by Valacich Publisher: Pearson Edition: 8 ISBN: 9780134204925

Course Outcomes and Learning Objectives:

Course Outcome 1	Learning Objectives for Course Outcome 1
System Analysis	1.1 Understand the foundations of systems analysis 1.2 Understand ER diagrams and other modeling tools 1.3 Identify various tools to model systems 1.4 Evaluation systems and understand how they work 1.5 Gather requirements and examine the needs of various

		systems 1.6 Describe prototypes and system disruptions
	Course Outcome 2	**Learning Objectives for Course Outcome 2**
	System Data	2.1 Describe various data and their importance 2.2 Identify tools used to collect data 2.3 Describe useful data
	Course Outcome 3	**Learning Objectives for Course Outcome 3**
	System Design	3.1 Identify proper data output 3.2 Understand how data is collected 3.3 Identify proper layouts 3.4 Understand user experience and how it differs from user interfaces
	Course Outcome 4	**Learning Objectives for Course Outcome 4**
	System Evaluation, Implementation, and Maintenance	4.1 Understand the concepts of implementing a system after it has been analyzed and designed 4.2 Evaluate systems for their correctness and usefullness 4.3 Understand the importance of system maintenance

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight
Assignments	45%
Quizzes	5%
Tests	50%

Date: December 3, 2020

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