COURSE OUTLINE: HIN206 - CAPSTONE PROJECT

Prepared: Theresa Mudge
Approved: Corey Meunier, Chair, Technology and Skilled Trades

Course Code: Title	HIN206: CAPSTONE PROJECT
Program Number: Name	2197: HEALTH INFORMATICS
Department:	COMPUTER STUDIES
Semesters/Terms:	22W, 21F, 22W
Course Description:	Students will apply business analysis knowledge and techniques, culminating in a large research or practical project assisting an organization. Collaborative learning methods will be used in a teamwork setting. Mentoring will be provided throughout the course to support students in meeting the necessary requirements. This course will involve practical learning modules, coupled with independent project work, guided by faculty.
Total Credits:	5
Hours/Week:	5
Total Hours:	75
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 2 Formulate change strategies to implement appropriate health information systems technologies (HIST) within the health-care setting. VLO 3 Develop, implement, and evaluate health information management practices, policies and processes to support client care, organizational goals, operations, and regulatory compliance. VLO 4 Apply business and system analysis techniques to evaluate the effectiveness of health information systems technologies within a health-related setting. VLO 5 Integrate relevant standards and professional, ethical and legislative requirements with the appropriate health information system technologies. VLO 6 Synthesize relevant local, national and global health care and health information management issues, trends, and evolving technologies to support health information systems and processes. VLO 7 Design training and education for the effective use of HIST throughout an organization. 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.

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 2021-2022 academic year.

SAULT COLLEGE | 443 NORTHERN AVENUE | SAULT STE. MARIE, ON P6B 4J3, CANADA | 705-759-2554

	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.
	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%, A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.
Other Course Evaluation & Assessment Requirements:	The Capstone course consists of a significant degree of self-reflective practice. Students are responsible for creating a schedule of planned activities for the semester, along with individual goals and objectives, in consultation with and approval by the Professor. Monthly activity logs and the final paper should reflect these goals and objectives. Students submit three monthly logs over the course of the semester reflecting their progress. As in any work situation, plans may change based on the needs of the student and the client organization. If the plan changes, it is the student`s responsibility to submit a modified plan with an explanation of why the changes occurred within the monthly log. Throughout the process, assigned teams facilitate and run meetings with the Professor to simulate project reporting to a supervisor in a work environment. Students can expect their grade to be based upon: 1. Active participation throughout the course. Students must actively participate in scheduled meetings, contribute to discussions, and participate in learning groups whether formed by other students or the client facility, if applicable. 2. Completion of monthly activity logs or status reports in the format provided. Student logs help students stay focused on the course objectives and gather regular information for their final report as the semester progresses. 3. Adherence to the requirements outlined in the course syllabus. Students are required to formally acknowledge that they have read the course syllabus and understand their responsibilities. 4. Completion of a semester activity plan provided and approved by faculty. 5. Completion of a final experience paper covering their capstone experience. 6. Peer review of project team members using standardized metrics.

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 2021-2022 academic year.

SAULT COLLEGE | 443 NORTHERN AVENUE | SAULT STE. MARIE, ON P6B 4J3, CANADA | 705-759-2554

7. Final project.

Course Outcomes and Learning Objectives:		
	Course Outcome 1	**Learning Objectives for Course Outcome 1**
	Course Outcome 1: Develop strategies for ongoing personal and professional development to enhance work performance in the business/health informatics field.	1.1 Demonstrated ability to maximize value of teamwork and collaboration. 1.2 Demonstrated ability to lead effective team meetings to achieve meaningful outcomes. 1.3 Demonstrated ability to manage time effectively. 1.4 Demonstrated ability to deal with personality conflicts effectively. 1.5 Demonstrated commitment to self-reflective practice. 1.6 Participation in discussions with members of the business community. 1.7 Demonstrated understanding of leadership principles and how to motivate team members. 1.8 Demonstrated ability to communicate effectively.
	Course Outcome 2	**Learning Objectives for Course Outcome 2**
	Course Outcome 2: Apply research skills to support business decision-making.	2.1 Utilize scientific method to solve health informatics problems including hypothesis generation, literature search, data collection and presentation of results in final assignment. 2.2 Demonstrate proficiency in applying health informatics (HI) academic theory into pragmatic, applied problem-solving.
	Course Outcome 3	**Learning Objectives for Course Outcome 3**
	Course Outcome 3: Support the planning, implementation and monitoring of projects.	3.1 Demonstrate proficiency in planning a project. 3.2 Demonstrate proficiency in leading and executing a project. 3.3 Demonstrate ability to map project deliverables, tying them to specific project outcomes.
	Course Outcome 4	**Learning Objectives for Course Outcome 4**
	Course Outcome 4: Use current concepts/systems and technologies to support an organization`s business initiatives.	4.1 Understand how business/health informatics concepts can be applied in a practical setting through the applied research/project. 4.2 Demonstrate effective use of IT tools and applications within the project/ course work.

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight
Assignments	40%
Final Project	40%
Meeting Effectiveness with Professor	10%
Peer Evaluation	5%
Self-Reflective Practice	5%

Date: August 13, 2021

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 2021-2022 academic year.

SAULT COLLEGE | 443 NORTHERN AVENUE | SAULT STE. MARIE, ON P6B 4J3, CANADA | 705-759-2554

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

SAULT COLLEGE | 443 NORTHERN AVENUE | SAULT STE. MARIE, ON P6B 4J3, CANADA | 705-759-2554