

Course Details	
Course Code: HSA565	Professor:
Course Title: MIS for Healthcare Management	E-Mail:
Program: Master in Healthcare Management	Term:
Credits: 3	Schedule:
Contact Hours: 48	Delivery:
Prerequisites:	Campus: AU Sunnybrook Road
Course General Information	

Course Description:

This course explores the integration of health information systems (HIS) and technologies into healthcare organizations. Students examine how data and digital systems are used to support clinical decision-making, manage population health, and improve organizational performance. Topics include HIS architecture, community health computing, decision support systems, and the impact of globalization on healthcare technologies.

The course emphasizes strategic thinking, leadership, innovation, and accountability in managing healthcare information systems.

Course Learning Outcomes

Upon successful completion of HSA 565, students will be able to:

- **CLO 1.** Analyze the role, structure, workflows, and strategic value of health information systems within healthcare organizations and health systems.
- **CLO 2.** Evaluate health data governance, interoperability standards, privacy, security, usability, and ethical requirements for responsible information management.
- **CLO 3.** Analyze clinical and administrative data and evaluate decision-support and performance-measurement tools that improve quality, safety, access, cost, and outcomes.
- **CLO 4.** Assess leadership, workforce, and organizational-change requirements for selecting, implementing, adopting, and improving health information technologies.
- **CLO 5.** Evaluate community, national, and global health-information strategies using stakeholder, equity, policy, communication, and professional-responsibility criteria.
- **CLO 6.** Develop and defend a feasible healthcare information-technology strategy integrating governance, evidence, innovation, resources, implementation, risk, and evaluation.

CLO–Competency–PLO Alignment Matrix

The following matrix demonstrates the alignment among the Course Learning Outcomes (CLOs), the MSHM program competencies, and the corresponding Program Learning Outcomes (PLOs). It illustrates how HSA565 develops the technological, analytical, strategic, managerial, and professional capabilities required to manage healthcare information systems, support evidence-based decision-making, improve organizational performance, and lead responsible digital transformation across healthcare settings.

Course Learning Outcome	Competencies	PLO Alignment
CLO 1	Information Technology Management; Health System Awareness; Organizational Awareness	PLO 2, PLO 6, PLO 7
CLO 2	Information Technology Management; Analytical Thinking; Accountability; Professional & Social Responsibility	PLO 2, PLO 6, PLO 7
CLO 3	Analytical Thinking; Performance Measurement; Process & Quality Improvement	PLO 2, PLO 6
CLO 4	Strategic Orientation; Project Management; Human Resource Management; Team Leadership	PLO 1, PLO 4, PLO 5
CLO 5	Health System Awareness; Community Collaboration; Communication Skills; Professional & Social Responsibility	PLO 4, PLO 5, PLO 7
CLO 6	Project Management; Innovation; Strategic Orientation; Communication Skills; Accountability	PLO 1, PLO 4, PLO 5, PLO 6

Course Mapping by Module

Module	Topic	Primary Assessment Evidence	CLO Alignment
1	Health Systems and Information Systems	Case analysis; video analysis; roles-and-data-flows simulation	CLO 1, CLO 3
2	Basic Functions of a HIS	HIS functional-flow simulation; video reflection; group presentation	CLO 1, CLO 2
3	Community-Oriented Health Computing	Community-health computing simulation; case study; forum	CLO 1, CLO 2, CLO 5
4	HIS in Community Healthcare	Community HIS simulation and strategy presentation	CLO 1, CLO 3, CLO 5
5	Decision Support Systems	DSS simulation; clinical DSS research project	CLO 2, CLO 3, CLO 6
6	Globalization and Health Information Systems	Global HIS case review; ICT simulation; comparative presentation	CLO 2, CLO 5
7	Managerial Impact of Organizational Change	Change-planning simulation; implementation project; discussion	CLO 4, CLO 6
8	Final Healthcare IT Strategy	Integrated proposal/report; final project presentation and defense	CLO 1- CLO 6

In this course, students will develop core competencies essential for the effective management and implementation of healthcare information systems. Emphasis will be placed on healthcare IT leadership, strategic decision-making, systems analysis, and innovation. These competencies are vital for navigating complex healthcare environments, leading technology-driven transformations, and executing IT initiatives that enhance patient care and operational performance.

Upon completion, students will be equipped to assume leadership roles in healthcare IT, apply evidence-based solutions, and promote collaboration and innovation within healthcare organizations through the strategic use of information technology.

Course materials/learning resources:

- **Textbook 1:** MindTap for Bowie's Essential Health of Information Management ISBN13 9781337553735.-ISBN-10 1337553735 by Mary Jo Bowie (Cengage)
- **Textbook 2:** Today's Health Information Management: An Integrated Approach by Dana C. McWay 3rd Edition | Cengage 2022

Textbook 3: Healthcare Informatics: Strategies for the Digital Era Bby Stephan P. Kudyba. Editorial: Auerbach Publications. 2021

Assessment Classification and CLO Alignment

The following distribution identifies the graded evidence for each assessment category. Foundational components assess accurate explanation, comparison, and structured reflection. Higher-level components require systems analysis, governance judgment, data interpretation, implementation planning, strategic integration, and justified recommendations. The assigned level must be reflected in the scoring rubric.

Assessment	Weight	CLO	Competency	Level	Classification rationale
Foundational readings, video analyses, discussions, and reflections	30%	CLO 1-5	Health System Awareness; Information Technology Management; Communication Skills; Accountability	Lower	Verifies accurate explanation and comparison of HIS concepts, functions, terminology, standards, policy, ethics, and organizational context.
HIS workflow, interoperability, privacy, and security applications	10%	CLO 1-2	Information Technology Management; Analytical Thinking; Accountability; Professional & Social Responsibility	Higher	Requires workflow and governance analysis, standards selection, privacy and security controls, usability judgment, and documented decisions.
Community and global health-information cases and simulations	10%	CLO 1-2, CLO 5	Health System Awareness; Community Collaboration; Strategic Orientation;	Higher	Requires comparison of community or national contexts, stakeholder and equity analysis, ICT alternatives, risks, and

			Professional & Social Responsibility		justified recommendations.
Decision-support research and performance evaluation	15%	CLO 2-3	Analytical Thinking; Performance Measurement; Information Technology Management; Process & Quality Improvement	Higher	Requires evaluation of evidence, measures, DSS logic, data limitations, quality and safety effects, and an improvement recommendation.
Organizational-change and implementation project	15%	CLO4, CLO 6	Strategic Orientation; Project Management; Human Resource Management; Team Leadership; Accountability	Higher	Requires readiness analysis, stakeholder engagement, roles, milestones, resources, risks, adoption strategy, and individual accountability.
Final healthcare IT strategy report	10%	CLO 1-6	Project Management; Innovation; Strategic Orientation; Information Technology Management; Accountability	Higher	Requires integration of governance, architecture, evidence, resources, implementation, risk, performance measures, and sustainability.
Final project presentation and defense	10%	CLO 1-6	Communication Skills; Team Leadership; Analytical Thinking; Strategic Orientation; Accountability	Higher	Requires concise executive communication, evidence-based defense, responses to questions, and documentation of individual contribution.
Total	100%	Lower 30%; Higher 70%			

Grading Scale Policy

Performance Level	Grade	Percentage
Exceeds Expectations	A	90-100%
Meets Expectations	B	80-89%
Minimally Meets Expectations	C	70-79%
Does Not Meet Expectations	D/F	Below 70%

This format is consistent with graduate-level expectations: a grade of C (70-79%) represents the minimum course performance level, while competency achievement is documented at the criterion level using the 80% benchmark.