

Information Technology and Management Assessment Plan for Graduate Degrees, 2016-2018 (Revision 2)

Assessment plans for 2016-2018 will adhere to the rubric as defined by the IIT Assessment Report Evaluation Rubric. One Program Educational Objective in each degree program will be assessed each term, and all objectives will be assessed twice in each three-year cycle. The full list of Program Educational Objectives to be assessed follows beginning on page 2 below. In addition to the Program Educational Objective, course objectives for each course will be assessed.

Separate roll-out strategies will be used for the undergraduate and graduate programs.

This document addresses the courses in the Graduate Program.

Spring 2016:

Master of Information Technology and Management (MITM) Program Educational Objectives Assessed: 1 & 3

Master of Cyber Forensics and Security (MCYF) Program Educational Objectives Assessed: 2

Student Artifacts: Survey / April 2016 / Survey by Amber Chatellier & Angela Jarka
55 artifacts collected / Evaluation pending. Evaluators: Trygstad, Hajek, Papademas

Courses assessed:

<i>Curricular Area</i>	<i>Course</i>
Software Development (MITM)	ITMD 510 Object-Oriented Application Development
Business Development (MITM)	ITMM 571 Project Management for ITM
Security & Forensics (MCYF)	ITMS 539 Steganography
Security Technologies (MCYF)	ITMS 549 Cyber Security Technologies: Projects & Advanced Methods

Fall 2016:

Master of Information Technology and Management (MITM) Program Educational Objectives Assessed: 1

Master of Cyber Forensics and Security (MCYF) Program Educational Objectives Assessed: 1

Student Artifacts: Survey / November 2016 / Survey by Amber Chatellier & Angela Jarka
Assignments / December 2016 / Evaluators: Trygstad, Hajek, Zheng

Courses assessed:

<i>Curricular Area</i>	<i>Course</i>
System Technologies (MITM)	ITMO 540 Introduction to Data Networks and the Internet
Security Management (MCYF)	ITMS 578 Cyber Security Management

Spring 2017:

Master of Information Technology and Management (MITM) Program Educational Objectives Assessed: 2

Master of Cyber Forensics and Security (MCYF) Program Educational Objectives Assessed: 3

Student Artifacts: Survey / April 2017 / Evaluation by ITM Curriculum Committee
Assignments / May 2017 / Evaluators TBD

Courses assessed:

<i>Curricular Area</i>	<i>Course</i>
System Technologies (MITM)	ITMO 554 Operating Systems Virtualization
Security Technologies (MCYF)	ITMS 558 Operating Systems Security

Fall 2017:

Master of Information Technology and Management (MITM) Program Educational

Objectives Assessed: 1

Master of Cyber Forensics and Security (MCYF) Program Educational Objectives Assessed: 3

Student Artifacts: Survey / November 2017 / Evaluation by ITM Curriculum Committee

Assignments / December 2017 / Evaluators TBD

Courses assessed:

<i>Curricular Area</i>	<i>Course</i>
Software Development (MITM)	ITMD 510 Object-Oriented Application Development
Security Technologies (MCYF)	ITMS 548 Cyber Security Technologies

Spring 2018:

Master of Information Technology and Management (MITM) Program Educational

Objectives Assessed: 3

Master of Cyber Forensics and Security (MCYF) Program Educational Objectives Assessed: 2

Student Artifacts: Survey / April 2018 / Evaluation by ITM Curriculum Committee

Assignments / May 2018 / Evaluators TBD

Courses assessed:

<i>Curricular Area</i>	<i>Course</i>
Software Development (MITM)	ITMT 593 Embedded Systems
Security Technologies (MCYF)	ITMS 549 Cyber Security Technologies: Projects & Advanced Methods

Fall 2018:

Master of Information Technology and Management (MITM) Program Educational

Objectives Assessed: 3

Master of Cyber Forensics and Security (MCYF) Program Educational Objectives Assessed: 1

Student Artifacts: Survey / November 2018 / Evaluation by ITM Curriculum Committee

Assignments / December 2018 / Evaluators TBD

Courses assessed:

<i>Curricular Area</i>	<i>Course</i>
System Technologies (MITM)	ITMO 556 Introduction Open Source Software
Security Management (MCYF)	ITMS 578 Cyber Security Management

The following program education objectives will be assessed for HLC accreditation purposes:

Master of Information Technology and Management (MITM) Program Educational Objectives
At the conclusion of their studies, graduates of the Master of Information Technology and Management should be able to:
1. Deliver optimal technical and policy technology solutions for the problems of business, industry, government, non-profit organizations, and individuals in each student's particular area of focus.
2. Work with, lead, and manage teams in an enterprise environment to collaboratively arrive at optimal technology solutions.
3. Manage and deploy information resources applicable to each student's particular area of focus in an enterprise setting.

Master of Cyber Forensics and Security (MCYF) Program Educational Objectives

At the conclusion of their studies, graduates of the Master of Cyber Forensics and Security degree should be able to:

1. Design and implement a comprehensive enterprise security program using both policy and technology to implement technical, operational, and managerial controls.
2. Comprehensively investigate information security incidents and violation of law using computer resources in a manner such that all evidence is admissible in a court of law.
3. Technically secure enterprise information assets and resources to deter, detect, and prevent the success of attacks and intrusions.

Survey drafting and data collection staff:

Amber Chatellier, ITM Department Manager
Angela Jarka, ITM Assistant Department Coordinator

Assessment Evaluators:

ITM Curriculum Committee

The Curriculum Committee evaluates Survey Artifacts and makes recommendations based on evaluations of all assessment artifacts. All full-time faculty members are voting members of the committee should they elect to participate.

Chair: Ray Trygstad, ITM Associate Chair and Industry Professor

Members: Jeremy Hajek, Industry Associate Professor

Louis F. McHugh IV, SAT IT Director and Adjunct Industry Associate Professor

Thomas "T.J." Johnson, Adjunct Industry Professor

Sheik "Sam" Shamsuddin, Adjunct Industry Professor; College of DuPage Professor and Computer Information System Program Coordinator

Faculty: C. Robert Carlson, ITM Chair and Professor

Karl Stolley, Associate Professor (joint appointment)

Adarsh Arora, Coleman Entrepreneur-in-Residence and Industry Professor

William Lidinsky, Interim Director, Center for Cyber Security and Forensics Education and Industry Professor

James Pappademas, Industry Professor

Yong Zheng, Senior Lecturer

All full-time faculty members may be appointed as assessment evaluators for Assignment Artifacts. Appointments will be made at the beginning of each term in which assignments will be assessed, and the Assessment Plan will be updated to reflect these appointments.