Information Technology and Management Assessment Plan Fall 2019

Undergraduate Assessment, Fall 2019:
Based on *Information Technology and Management Assessment Plan for Undergraduate Degrees, 2019-2021 (Version 2)* http://www.itm.iit.edu/faculty/2019-2021ITMUndergraduateAssessmentPlanV2.pdf
Program Educational Objectives Assessed: 3, 4
Student Outcomes Assessed: (b), (c), (f), (h)
Student Artifacts: Survey / November 2019 / Evaluation by ITM Curriculum Committee
                              Assignments / December 2019 / Evaluators: Trygstad/Arora/McHugh
Courses assessed:

Curricular Area	Course
Data Management	ITMD 321 Data Modeling and Applications
Networking and Communications	ITMO 340 Introduction to Data Networks & the Internet
Data, Component, Connection, & System Security / Secure Computing	ITMS 448 Cyber Security Technologies

The following program education objective will be evaluated:

3. Apply current technical and mathematical concepts and practices in the core information technologies and recognize the need to engage in continuing professional development.

The following BSACIT program education elective will be evaluated in ITMS courses:

4. Design and implement an enterprise security program using both policy and technology to implement technical, operational, and managerial controls, which will technically secure enterprise information assets and resources to deter, detect, and prevent the success of attacks and intrusions.

The following Student Outcomes will be evaluated in ITMD 321:
ITM graduates should be able to:
   (b) Design, implement, and evaluate a computer-based solution to meet a given set of computing requirements [ABET Computing 2]
   (f) Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems [ABET IT 6]

The following Student Outcomes will be evaluated in ITMO 440:
ITM graduates should be able to:
   (c) Communicate effectively with a range of audiences about technical information [ABET Computing 3]
   (f) Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems [ABET IT 6]

The following Student Outcomes will be evaluated in ITMS448:
ITM graduates should be able to:
   (c) Communicate effectively with a range of audiences about technical information [ABET Computing 3]
BSACIT graduates should be able to:
   (h) Apply security principles and practices to the environmental, hardware, software, and human components of a system. [ABET Cybersecurity 6]

In addition to the above, course objectives for each course will be assessed.

Student artifacts for assessment will be collected by a member of the Assessment Evaluation team and will be assessed by a range of faculty against a published rubric.

Graduate Assessment, Fall 2019:
Based on *Information Technology and Management Assessment Plan for Graduate Degrees, 2019-2021 (Version 2)* http://itm.iit.edu/faculty/2019-2021ITMGraduateProgramAssessmentPlanV2.pdf
Master of Information Technology and Management (MITM) Program Educational Objectives Assessed: 1
Master of Cyber Forensics and Security (MCYF) and Master of Science in Applied Cybersecurity and Digital Forensics (MSASDF) Program Educational Objectives Assessed: 3
Student Artifacts: Survey / November 2019 / Evaluation by ITM Curriculum Committee
                      Assignments / December 2019 / Evaluators Trygstad/Arora/McHugh
Courses assessed:

Curricular Area	*Course*	
System Technologies Internet (MITM)	ITMO 540	Introduction to Data Networks & the Internet
Security Technologies (MCYF and MSACDF)	ITMS 548	Cyber Security Technologies

The following program education objective will be evaluated in ITMO 540:
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..

The following program education objective will be evaluated in ITMS 548:
At the conclusion of their studies, graduates of the Master of Cyber Forensics and Security and the Master of Science in Applied Cybersecurity and Digital Forensics degrees should be able to:
3. Technically secure enterprise information assets and resources to deter, detect, and prevent the success of attacks and intrusions.

In addition to the above, course objectives for each course will be assessed.

Survey drafting and data collection staff:
     Angela Jarka, ITM Department Manager
     Ryan Nelson, ITM Admissions and Recruitment Specialist

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
                    Maurice E. Dawson, Director of the Center for Cyber Security and Forensics Education and Assistant Professor
                    Louis F. McHugh IV, SAT Director of IT and Adjunct Industry Professor
                    Thomas "T.J." Johnson, Adjunct Industry Professor
                    Dan Kahn, Adjunct Industry Professor
     Faculty: C. Robert Carlson, ITM Chair and Professor
                    Karl Stolley, Associate Professor (joint appointment)
                    Adarsh Arora, Coleman Entrepreneur-in-Residence and Industry Professor
                    James Pappademas, Industry Professor
                    Yong Zheng, Assistant Professor

All faculty members may be appointed as assessment evaluators for Assignment Artifacts.