Information Technology and Management Assessment Plan Spring 2021

Undergraduate Assessment, Spring 2021:
Based on *Information Technology and Management Assessment Plan for Undergraduate Degrees, 2019-2021 (Version 3)* http://www.itm.iit.edu/faculty/2019-2021ITMUndergraduateAssessmentPlanV3.pdf

Program Educational Objectives Assessed: 1, 3, 5

Student Outcomes Assessed: (a), (f)

Student Artifacts: Survey / April 2021 / Evaluation by ITM Curriculum Committee
Assignments / May 2021 / Evaluator(s) Trygstad / Arora / Papademas

Courses assessed:

Curricular Area	Course
Data Management	ITMD 321 Data Modeling and Applications
System Admin and Maintenance	ITMO 356 Intro to Open Source Operating Systems
Software Development	ITMD 411 Intermediate Software Development
System & Organizational Security	ITMS 438 Digital Forensics (BSACIT only)

The following program education objectives will be evaluated:

1. Problem solve and create innovative answers to provide technology solutions for the problems of business, industry, government, non-profit organizations, and individuals.

3. Apply current industry, 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 438:

5. Investigate information security incidents and violation of law using computer resources in a manner such that all evidence is usable for fault analysis and, when applicable, admissible in a court of law.

The following Student Outcomes will be evaluated in ITMD 321:
ITM graduates should be able to:
   (a) Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions [ABET Computing 3.1]
   (f) Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems [ABET IT 3.6]

The following Student Outcomes will be evaluated in ITMO 356:
ITM graduates should be able to:
   (f) Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems [ABET IT 3.6]

The following Student Outcomes will be evaluated in ITMD 411:
ITM graduates should be able to:
   (a) Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions [ABET Computing 3.1]
   (f) Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems [ABET IT 3.6]

The following Student Outcomes will be evaluated in ITMS 438:
BSACIT graduates should be able to:
   (h) Apply security principles and practices to maintain operations in the presence of risks and threats [ABET CY 3.6]

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 2020:
Based on *Information Technology and Management Assessment Plan for Graduate Degrees, 2019-2021 (Version 3)* http://www.itm.iit.edu/faculty/2019-2021ITMGraduateProgramAssessmentPlanV3.pdf

Master of Information Technology and Management (MITM) and Master of Science in Information Technology and Management (MSITM) Program Educational Objectives Assessed: 3

Master of Cyber Forensics and Security (MCYF) and M.S. in Applied Cybersecurity and Digital Forensics (MSACDF) Program Educational Objectives Assessed: 3

Student Artifacts: Survey / April 2021 / Evaluation by ITM Curriculum Committee
                     Assignments / May 2021 / Evaluator(s) Evaluator(s) Trygstad / Arora / Papademas
Courses assessed:

Curricular Area	*Course*
Web Design/Development (MITM)	ITMD 565 Rich Internet Applications
Security Technologies (MCYF and MSACDF)	ITMS 548 Cyber Security Technologies

The following program education objective will be evaluated in ITMD 565:
At the conclusion of their studies, graduates of the Master of Information Technology and Management should be able to:
   3. Manage and deploy information resources applicable to each student's particular area of focus in an enterprise setting.

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:
   Kayla Botica, ITM Department Manager
   Ryan Nelson, ITM Director of Student Services

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, OTS Manager of Technical Services and Adjunct Industry Professor
            Thomas "T.J." Johnson, Adjunct Industry Professor
            Phillip Matuszak, Adjunct Industry Associate 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.