Information Technology and Management Assessment Plan Spring 2022

Undergraduate Assessment, Spring 2022:
Based on *Information Technology and Management Assessment Plan for Undergraduate Degrees, 2022-2024*
http://www.itm.iit.edu/faculty/2022-2024ITMUndergraduateAssessmentPlan.pdf

The following degree programs are being assessed:
Bachelor of Information Technology and Management (BITM)
Bachelor of Science in Applied Cybersecurity and Information Technology (BSACIT)

Program Educational Objectives to be Assessed: 2, 5

Student Outcomes to be Assessed: (a), (e), (f), (h)

Student Artifacts: Survey / April 2022 / Evaluation by ITM Curriculum Committee members
Assignments / April 2022 / Evaluator(s) Trygstad/Papademas/Pappademitriou

Courses assessed:

Curricular Area	***Course***
Software Development	ITM 313 Intro to Open Source Software Development
Web Design and HCI	ITMD 362 Human Computer Interaction & Web Design
System Integration & Architecture	ITMT 430 System Integration
Security and Forensics	ITMS 438 Cyber Forensics (BSACIT only)

The following program educational objective will be evaluated in all courses:
Bachelor's degrees from the Department of Information Technology and Management produces graduates who are able to:

2. Perform requirements analysis, design, and administration of secure computer and network-based systems conforming to policy and best practices, and monitor and support continuing development of relevant policy and best practices as appropriate.

The following program educational objective will be evaluated in ITMS courses:
The Bachelor of Science in Applied Cybersecurity and Information Technology degree produces graduates who are able to:

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 ITM 313:
BITM and BSACIT 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 Criterion 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 Information Technology Criterion 3.6]

The following Student Outcomes will be evaluated in ITMD 362:
BITM and BSACIT 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 Criterion 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 Information Technology Criterion 3.6]

The following Student Outcomes will be evaluated in ITMT 430:
BITM and BSACIT graduates should be able to:

(e) Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline [ABET Computing Criterion 3.5]

(f) Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems [ABET Information Technology Criterion 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 Cybersecurity Criterion 3.6]

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

Graduate Assessment, Fall 2020:
Based on *Information Technology and Management Assessment Plan for Graduate Degrees, 2022-2024*
http://www.itm.iit.edu/faculty/2022-2024ITMGraduateProgramAssessmentPlan.pdf

The following degree programs are being assessed:
Master of Information Technology and Management (MITM)
Master of Science in Information Technology and Management (MSITM)
Master of Cyber Forensics and Security (MCYF)
Master of Science in Applied Cybersecurity and Digital Forensics (MSACDF)

MITM and MSITM Program Educational Objectives Assessed: 3

MCYF and MSACDF Program Educational Objectives Assessed: 2

MSACDF Program Educational Objectives Assessed: 4

Student Artifacts: Survey / April 2022 / Evaluation by ITM Curriculum Committee
Assignments / April 2022 / Evaluator(s) Nobles/Trygstad/Papademas

Courses assessed:

Curricular Area	***Course***
Software Development (MITM and MSITM)	ITMD 510 Object-Oriented Application Development
Security & Forensics (MCYF and MSACDF)	ITMS 538 Cyber Forensics

The following program educational objective will be evaluated in ITMD 510:
At the conclusion of their studies, graduates of the Master of Information Technology and Management and the Master of Science in 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 educational objective will be evaluated in ITMS 538:
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:

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.

The following program educational objective will be evaluated in ITMS 538:
At the conclusion of their studies, graduates of the Master of Science in Applied Cybersecurity and Digital Forensics degree should be able to:

4. Conduct and report on significant research in the areas of cybersecurity and/or digital forensics.

Survey drafting and data collection staff:

Kayla Botica, ITM Department Manager
James Papademas, Industry Professor

Assessment Evaluators:

ITM Curriculum Committee

Faculty members of the Curriculum Committee evaluate Survey Artifacts and make 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
	Thomas "T.J." Johnson, Adjunct Industry Professor
	Phillip Matuszak, Adjunct Industry Associate Professor
Faculty:	Calvin Nobles, ITM Chair and Associate Professor
	Karl Stolley, Associate Professor
	James Papademas, Industry Professor
	Yong Zheng, Assistant Professo

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