Information Technology and Management Assessment Plan Fall 2022

Undergraduate Assessment, Fall 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: 3, 4

Student Outcomes to be Assessed: (b), (c), (f), (h)

Student Artifacts: Survey / November 2022 / Evaluation by ITM Curriculum Committee
Assignments / December 2022 / Evaluators: Gurram, Pappademetriou, Trygstad

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 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:

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 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:

4. Design and implement an enterprise security program using policy, technology, and awareness to implement appropriate controls and 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:
BITM and BSACIT graduates should be able to:

(b) Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline [ABET Computing 3.2]

(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 ITMO 340:
BITM and BSACIT graduates should be able to:

(b) Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline [ABET Computing 3.2]

(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 448:
BSACIT graduates should be able to:

(c) Communicate effectively in a variety of professional contexts

(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 2022:
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: 1

MCYF and MSACDF Program Educational Objectives Assessed: 3

Student Artifacts: Survey / November 2022 / Evaluation by ITM Curriculum Committee
Assignments / December 2022 / Evaluators: Gurram, Pappademetriou, Trygstad

Courses assessed:

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

The following program educational objective will be evaluated in ITMO 540:
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:

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 educational 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.

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
	Vasilios "Billy" Pappademtriou, Industry Associate Professor
	Thomas "T.J." Johnson, Adjunct Industry Professor
	Phillip Matuszak, Adjunct Industry Associate Professor
Faculty:	Calvin Nobles, ITM Chair and Associate Professor
	Gopal Gurram, ITM Associate Chair and Industry Professor
	Marwan Omar, Associate Professor
	James Papademas, Industry Associate Professor
	Yong Zheng, Assistant Professor

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.