

Program Plan and Findings: Four Column Layout



Program (SSB) - MSIS - Information Assurance (GCRT) - 457

Program Mission Statement: The MSTM program was established in 1995 with the mission “To become a nationally prominent, exemplary center for telecommunications education, research and outreach”. In 2001 the program began adopting an Information Assurance curricula that led to the program being certified by the Department of Homeland Security as a Center for Academic Excellence in Information Assurance (CAE-IA) in both education and research. OSU is the first school in the nation to hold this prestigious designation and has stayed continuously certified since that inception. The program has just underwent a formal change in name to MSIA – Masters of Science in Information Assurance to properly reflect the mission that it is currently fulfilling: “To become a nationally prominent, exemplary center for Information Assurance education, research and outreach”. The MSIA curriculum has since been folded into the MSMIS curriculum and that degree plan has ended. We retain the Graduate Certificate in Information Assurance (GCIA), however.

Program Information

2019 - 2020

Program Information

Assessment Coordinator's Name: Jim Burkman

Assessment Coordinator's E-mail Address: jim.burkman@okstate.edu

Number of Students Enrolled in the Program: 3

Total Number of Students Graduated: 1

Number of Student Graduates from Stillwater Campus:

Number of Student Graduates from Tulsa Campus:

Were university assessment funds used by the department/program for assessment activities?: No

If yes, describe how funds were used and the contribution the funds had on the assessment process:

Annual Executive Summaries

2019 - 2020

Program Assessment Coordinator: Jim Burkman

Plan Review and Approval

Date Current Plan Was Reviewed and Approved: 09/10/2020

Date of Future Plan Review and Approval: 09/10/2021

Summary of Assessment Findings

Describe overall assessment findings and faculty members' interpretation of the assessment results: The underlying MSIA degree plan has ended and the IA courses are transitioning to the MSMIS degree plan as an option. During these changes it has been impractical to promote the GCIA until the Board has approved all changes. Enrollment is expected to increase. At this time it is impossible to report aggregate data given the low n, and any effort to do so would result in identifying individual student performance.

Dissemination of Findings

Describe the individual(s) or committee responsible for reviewing and interpreting assessment data: An ad-hoc committee is responsible for the administration and assessment of the MSTM program. This committee consists of Jim Burkman (Associate Professor of Professional Practice), Mark Weiser (Full Professor), David Biros (Associate Professor), Jin Lee (Associate Professor) and Andy Luse (Assistant Professor).

Describe the process for sharing and discussing assessment findings with program faculty: Assessment is discussed and shared with all departmental faculty both electronically and during physical meetings.

Program Improvements Based on Assessment

Based on data collected this year, what changes are being considered or planned for the program?: See above. Once the paperwork is finalized on moving the IA curriculum to the MSMIS degree plan then we can focus on building the GCIA back up.

Based on this year's findings, what (if any) changes are planned for the assessment process?: Eventually the GCIA assessment will be an extension of the MSMIS assessment.

Describe the process for implementing these changes/planned program improvements: We will make these changes once the paperwork is cleared through the Board.

Program Improvements Made in the Last Year:

"Other" Improvements:

Goals for the Coming Year:

Is this Summary Report Complete?: Yes

List all individuals associated with this report preparation: Dr. Jim Burkman, MSIS

<i>Outcomes</i>	<i>Assessment Methods</i>	<i>Findings</i>	<i>Use of Findings (Actions)</i>
<p>Creative Thinking - Students should exhibit higher analytic and creative thinking skills and express themselves in a creative and professional way.</p> <p>Outcome Status: Active</p> <p>Planned Assessment Year: 2019 - 2020</p> <p>Start Date:</p> <p>Archived Date:</p> <p>Outcome Type: Skills</p> <p>Reason for Archival:</p>	<p>Analysis of Written Artifacts - Course assignment of written term paper covering topics related to ethics and legal issues in information systems, 12 page minimum length. Paper completed during semester and submitted online. (Active)</p> <p>* Learning Outcome</p> <p>Goal/Benchmark: Our goal for this assignment was that at least 80% of the students achieve 80% or higher score.</p> <p>Timeline for Assessment: Every year as applicable</p> <p>Other Assessment Type:</p>	<p>Reporting Period: 2019 - 2020</p> <p>Conclusion: 2 - Meets Minimum Program Expectations (Developing)</p> <p>We have three students working on the GCIA. Given that their pace is self chosen it is impossible to provide aggregate success data without revealing individual performance data. One student successfully complete the GCIA this reporting period and the other 3 enrolled students are progressing satisfactorily. (09/10/2020)</p> <p>Number of Students Assessed: 4</p> <p>Number of Successful Students: 4</p> <p>How were students selected to participate in the assessment of this outcome?: We have three students working on the GCIA. Given that their pace is self chosen it is impossible to provide aggregate success data without revealing individual performance data. One student successfully complete the GCIA this reporting period and the other 3 enrolled students are progressing satisfactorily.</p> <p>What do the findings suggest about student achievement</p>	

Outcomes	Assessment Methods	Findings	Use of Findings (Actions)
<p>Basic Domain Knowledge - Students should exhibit conceptual understanding of core domain elements.</p> <p>Outcome Status: Active</p> <p>Planned Assessment Year: 2019 - 2020, 2020 - 2021</p> <p>Start Date:</p> <p>Archived Date:</p> <p>Outcome Type: Knowledge</p> <p>Reason for Archival:</p>	<p>Course Exam(s) - Multiple choice exam over fundamentals of Information Assurance</p> <p>* Learning Outcome</p> <p>Goal/Benchmark: Our goal for this examination was that at least 80% of the students achieve 80% or higher score.</p> <p>Timeline for Assessment: Every year as applicable</p> <p>Other Assessment Type:</p>	<p>of this learning outcome?: We have three students working on the GCIA. Given that their pace is self chosen it is impossible to provide aggregate success data without revealing individual performance data. One student successfully complete the GCIA this reporting period and the other 3 enrolled students are progressing satisfactorily.</p> <p>Reporting Period: 2019 - 2020</p> <p>Conclusion: 2 - Meets Minimum Program Expectations (Developing)</p> <p>We have three students working on the GCIA. Given that their pace is self chosen it is impossible to provide aggregate success data without revealing individual performance data. One student successfully complete the GCIA this reporting period and the other 3 enrolled students are progressing satisfactorily. (09/10/2020)</p> <p>Number of Students Assessed: 4</p> <p>Number of Successful Students: 4</p> <p>How were students selected to participate in the assessment of this outcome?: We have three students working on the GCIA. Given that their pace is self chosen it is impossible to provide aggregate success data without revealing individual performance data. One student successfully complete the GCIA this reporting period and the other 3 enrolled students are progressing satisfactorily.</p> <p>What do the findings suggest about student achievement of this learning outcome?: We have three students working on the GCIA. Given that their pace is self chosen it is impossible to provide aggregate success data without revealing individual performance data. One student successfully complete the GCIA this reporting period and the other 3 enrolled students are progressing satisfactorily.</p>	
<p>Technology Skills - 1. Student can use virtual machines and software tools to scan a network, hosts and services to identify vulnerabilities.</p> <p>2. Student can create, configure and manage a firewall and access control lists to reduce threat exposure.</p> <p>Outcome Status: Active</p>	<p>Course Project - Technical exercises completed in school lab with results prepared and submitted to online course management system</p> <p>* Learning Outcome</p> <p>Goal/Benchmark: Our goal for this assignment was that at least 80% of the students achieve 80% or higher</p>	<p>Reporting Period: 2019 - 2020</p> <p>Conclusion: 2 - Meets Minimum Program Expectations (Developing)</p> <p>We have three students working on the GCIA. Given that their pace is self chosen it is impossible to provide aggregate success data without revealing individual performance data. One student successfully complete the GCIA this reporting period and the other 3 enrolled</p>	

Outcomes	Assessment Methods	Findings	Use of Findings (Actions)
<p>Planned Assessment Year: 2019 - 2020 Start Date: Archived Date: Outcome Type: Skills Reason for Archival:</p>	<p>score Timeline for Assessment: Other Assessment Type:</p>	<p>students are progressing satisfactorily. (09/10/2020) Number of Students Assessed: 4 Number of Successful Students: 4 How were students selected to participate in the assessment of this outcome?: We have three students working on the GCIA. Given that their pace is self chosen it is impossible to provide aggregate success data without revealing individual performance data. One student successfully complete the GCIA this reporting period and the other 3 enrolled students are progressing satisfactorily. What do the findings suggest about student achievement of this learning outcome?: We have three students working on the GCIA. Given that their pace is self chosen it is impossible to provide aggregate success data without revealing individual performance data. One student successfully complete the GCIA this reporting period and the other 3 enrolled students are progressing satisfactorily.</p>	
<p>Communications Skills - 1. Student can set up a persuasive thesis. 2. Student can effectively communicate various viewpoints and persuade the adoption of their own view by an outsider. Outcome Status: Active Planned Assessment Year: 2019 - 2020 Start Date: Archived Date: Outcome Type: Knowledge Reason for Archival:</p>	<p>Analysis of Written Artifacts - Argumentative Thesis Paper * Learning Outcome Goal/Benchmark: Our goal for this examination was that at least 80% of the students achieve 80% or higher score. Timeline for Assessment: Other Assessment Type:</p>	<p>Reporting Period: 2019 - 2020 Conclusion: 2 - Meets Minimum Program Expectations (Developing) We have three students working on the GCIA. Given that their pace is self chosen it is impossible to provide aggregate success data without revealing individual performance data. One student successfully complete the GCIA this reporting period and the other 3 enrolled students are progressing satisfactorily. (09/10/2020) Number of Students Assessed: 4 Number of Successful Students: 4 How were students selected to participate in the assessment of this outcome?: We have three students working on the GCIA. Given that their pace is self chosen it is impossible to provide aggregate success data without revealing individual performance data. One student successfully complete the GCIA this reporting period and the other 3 enrolled students are progressing satisfactorily. What do the findings suggest about student achievement of this learning outcome?: We have three students working on the GCIA. Given that their pace is self chosen it is impossible to provide aggregate success data without revealing individual performance data. One student</p>	

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