

Program Assessment Report

2011-2012 Academic Year

Master of Science in Information Systems



Marshall University
College of Information Technology and Engineering
Division of Applied Science and Technology
Information Systems Program

I. Program's Mission

The Information Systems program prepares participants to be effective users, designers, and developers of information systems, people who can add value to processes and products in organizations.

The Marshall Mission statement contains several objectives that are particularly pertinent to the MS IS degree program. For example:

Marshall University will:

- *provide affordable, high quality undergraduate and graduate education appropriate for the state and the region;*
- *make instruction available throughout Marshall's service area using all appropriate modes of delivery;*
- *promote economic development through research, collaboration, and technological innovations;*

In addition, the MS in IS objectives are consistent with the mission of the College of Information Technology and Engineering (CITE) mission to:

deliver undergraduate and graduate programs in high-technology fields that optimize opportunities for our students and that support the growth and reputation of our university, state, and region.

II. Program's Student Learning Outcomes

1. Document situations as a system, specifying components, boundaries, and interfaces
2. Effectively participate in teams, collaborate with managers and assist colleagues in working on IT issues
3. Design and configure efficient hardware and software computer system components
4. Develop appropriate specifications for software systems
5. Gather and use information needed as an information systems professional
6. Deploy information technologies in various organizational settings
7. Communicate effectively, both orally and in writing, in professional contexts

Assessment of Student Learning Outcomes and Activities				
Student Learning Outcomes	Assessment Measures (Tools)	Standards / Benchmark	Results / Analysis	Actions Planned / Taken
1. Document situations as a system, specifying components, boundaries, and interfaces	<p>IS 605 – Outline steps in the SDLC; Define analysis task components; Graphically depict a system using Visio's UML stencils; and other assignments</p> <p>IS 623 – Projects, assignments, and hands-on in-class lab exercises</p> <p>TE 699 - Capstone project</p>	<p>IS 605 – Professional standards</p> <p>TE 699 - 95% of students will score at least a 10 out of a possible 12 points on the Capstone Rubrics matrix</p>	<p>TE 699 - 100% of students who presented their Capstone defense incorporating systems situations, passed the course</p>	<p>IS 605 - Develop rubrics for industry standards and begin tracking Results</p> <p>TE 699 – Continue to refine rubrics</p>
2. Effectively participate in teams, collaborate with managers and assist colleagues in working on IT issues	<p>IS 600 - Peer evaluations in team-based projects</p> <p>IS 605 – Online discussion posting requirements re: IT issues</p> <p>IS 610 – Team-based projects</p> <p>IS 623 – Team-based projects</p> <p>IS 631 – Online discussion posting requirements re: IT security</p>	<p>IS 600 team assignment evaluations and course rubrics</p> <p>IS 605 students to post 3 discussions per week, graded via rubrics</p>	<p>Rubrics not tracked during this period due to faculty personnel departures</p>	<p>Refine and analyze rubrics, as available</p> <p>Develop rubrics for courses without rubrics</p> <p>IS 600 and IS 623- Track team member evaluations</p>

<p>3. Design and configure efficient hardware and software computer system components</p>	<p>IS 600 - Individual and small group assignments, Case studies and presentations</p> <p>IS 610 – Design a complete system design project</p> <p>TE 699 - Capstone project</p>	<p>TE 699 - 95% of students will score at least a 10 out of a possible 12 points on the Capstone Rubrics matrix</p>	<p>TE 699 - 100% of students who presented their Capstone defense incorporating hardware/software systems design, passed the course</p>	<p>IS 600 – Review / revise rubrics</p> <p>IS 610 – Develop rubrics</p> <p>TE 699 – Continue to refine rubrics</p>
<p>4. Develop appropriate specifications for software systems</p>	<p>IS 605 – Design interview questions; Write effective survey questions; Use MS Project to define analysis task components; Project assignment</p> <p>IS 623 – Projects, assignments, and hands-on in-class lab exercises</p> <p>TE 699 - Capstone project</p>	<p>Industry standards</p> <p>IS 605 – Quizzes, Case Study and analysis exercises, Analysis project</p> <p>TE 699 - 95% of students will score at least a 10 out of a possible 12 points on the Capstone Rubrics matrix</p>	<p>TE 699 - 100% of students who presented their Capstone defense incorporating systems specs, passed the course</p>	<p>Develop rubrics to better link industry standards with learning outcomes in all courses</p>
<p>5. Gather and use information needed as an information systems professional</p>	<p>IS 600 - Individual and small group assignments, Case studies and presentations</p> <p>IS 623 – Projects, assignments, and hands-on in-class lab exercises</p> <p>TE 699 - Capstone project</p>	<p>TE 699 - 95% of students will score at least a 10 out of a possible 12 points on the Capstone Rubrics matrix</p>	<p>TE 699 - 100% of students who presented their Capstone defense regarding IS professionals, passed the course</p>	<p>Review, reinstate or review course rubrics</p>
<p>6. Deploy information technologies in various organizational settings</p>	<p>IS 610 – Project Assignment</p> <p>IS 623 – Projects, assignments, and hands-on in-class lab exercises</p> <p>TE 699 - Capstone project</p>	<p>TM6 10 and TM 623 - Implement a successful project</p> <p>TE 699 - 95% of students will score at least a 10 out of a possible 12 points on the Capstone Rubrics matrix</p>	<p>TE 699 - 100% of students who presented their Capstone defense regarding systems deployment, passed the course</p>	<p>Develop rubrics defining project success</p>

<p>7. Communicate effectively, both orally and in writing, in professional contexts</p>	<p>IS 605 – Design interview questions; Write effective survey questions; Final project presentation and report.</p> <p>TE 698 – Project Formulation, is dedicated to preparing students for this outcome. Other program courses provide practice, and</p> <p>TE 699 - Capstone Project, is the final assessment measurement</p> <p>Other course’s project presentations</p>	<p>TE 699 - 95% of students will score at least a 10 out of a possible 12 points on the Capstone Rubrics matrix</p>	<p>TE 699 - 100% of students who presented their Capstone defense passed the course</p>	<p>Develop IS 605 and TE 698, and other, rubrics</p> <p>Review / revise current presentation and written report rubrics for TE 699 and other courses.</p>
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III. Assessment Activities (you may refer to the chart):
 See above

III. Overview of changes implemented in your program this past year based on results and planned action specified in last year’s report.
 Begin review of current rubrics; development of additional rubrics

IV. Specify any changes/modifications made to your program based specifically on data obtained during Assessment Day Activities.
 No data obtained during Assessment Day

V. Assistance Needed with Assessment:
 No assistance needed with assessment