

# **MIS 105 – INTRODUCTION TO COMPUTERS**

## **COURSE-WISE ASSESSMENT TEST REPORT (SUMMER 2015)**

### **STUDENT LEARNING OUTCOMES ASSESSED**

Upon completion of this course, a student should be able to:

1. Demonstrate the understanding about application software and practically use those in solving specific problems.
2. Describe the functionalities of different components of computers and operating systems.
3. Recall how telecommunication devices connect computer systems.
4. Identify how digital and analog data is processed using CPU, Modem, and the ALU.
5. Recognize how the Internet works considering ecommerce and e-business.

### **THE STUDENT LEARNING OUTCOME ASSESSMENT PROCESS**

The Department of Management's Assessment and Curriculum Planning Committee (ACPC) had decided to assess student learning using multiple choice questions (MCQs) against the course's Student Learning Outcomes (SLOs). ACPC had also decided to conduct the test in one phase in Summer 2015, where in Fall 2014 and Spring 2015 the test was conducted in two phases. The reason behind this decision was to mitigate the administrative challenges of running two separate phases. The faculty members teaching this course in the Summer 2015 were tasked with selecting these MCQs and afterwards the Lead Course Coordinator finally compiled all the 10 questions for the test. Selected MCQs are linked to course learning outcomes in order to find out the students' learning throughout the course.

The Department Chair (IC) generated the test question in department question template using the supplied questions. Test questions were distributed to each faculty members who taught this course. Usually, in this semester the test was conducted at the last class. The completed tests were returned by the faculty members to the Department Office. The faculty members did not grade the completed tests. These tests were graded by a non-faculty staff of the School of Business and Economics (SBE) using the Answer Keys and results were compiled in a spreadsheet. The ACPC, with the help of the Lead Course Coordinator for MIS 105, analyzed the compiled results for all students who had completed the test. The aggregate results for each questions and intended outcomes were compared to see where the lacks were. The intended outcomes were consistent with the ACBSP Course Embedded and Exit Assessment Test. The ACPC identified the deficiency areas in student learning and recommend action plans to be implemented in Fall 2015 semester.

## **Limitations of Student Learning Outcome Assessment Process**

The ACPC has reviewed the process and has found the following limitations:

1. The test was generally conducted as “surprise quizzes” without advance warning to students.
2. Students generally had not prepared for tests. Given test was comprehensive up to the point in the semester when the test was executed, student’s ability to readily recall course material covered earlier in the semester, without preparation, is perhaps a factor that influenced the results.
3. The proctoring of test was not uniform across sections.

## **Recommendations of the ACPC to improve the SLA Process**

For the Fall 2015 semester, faculty members have been advised to conduct the test during the Final Examination. The ACPC believes that this will mitigate the issues of lack of student preparedness and proctoring uniformity.

## **RESULTS**

A summary of test result is attached.

## **INTERPRETATION OF TEST RESULT**

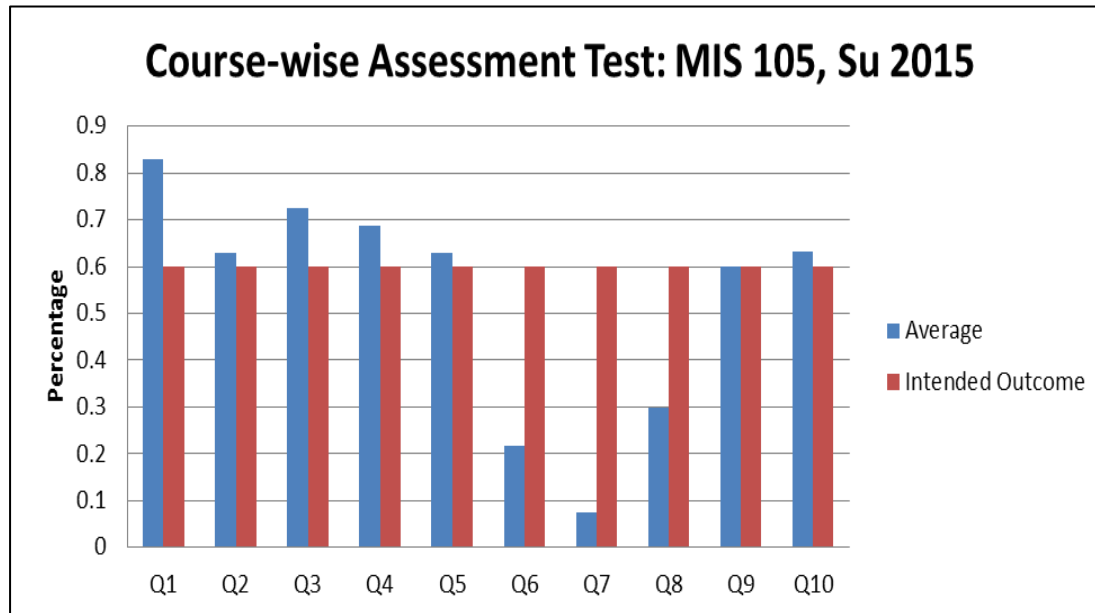
The ACPC has observed that, students have major learning deficiency in demonstrating the understanding about application software and practically use those in solving specific problems. This learning outcome was tested using question 7 and 8, where students failed to meet the intended outcome. Students have minor learning deficiency in identifying how digital and analog data is processed using CPU, Modem, and the ALU. This learning outcome was tested using question 1, 4 and 6, where students failed to meet the intended outcome in question 6 and succeed to meet the intended outcome in other two.

## **ACTION PLAN TO IMPROVE STUDENT LEARNING OUTCOME**

All faculty members teaching MIS105 have been advised to devote additional time and example in the areas where learning deficiencies were observed.

## COURSE-WISE ASSESSMENT TEST RESULT FOR MIS105

<b>Assessment Period:</b>	Summer 2015
<b>Department:</b>	Management
<b>Course:</b>	MIS105 – Introduction to Computers
<b>Course Type:</b>	GED
<b>Program:</b>	BBA



Student Learning Outcome	Tested Using Question
1. Demonstrate the understanding about application software and practically use those in solving specific problems.	Q7 and Q8
2. Describe the functionalities of different components of computers and operating systems.	Q2, Q5 and Q10
3. Recall how telecommunication devices connect computer systems.	Q3
4. Identify how digital and analog data is processed using CPU, Modem, and the ALU.	Q1, Q4, Q6
5. Recognize how the Internet works considering ecommerce and e-business.	Q9