

Quality Assurance Report, 2024 - Standard Four: Measurement and Analysis of Student Learning - Criteria 4.2 - Figure 4.2 - Student Learning and Performance

Figure 4.2
Measurement and Analysis of Student Learning and Performance

Analysis of Results, AY2022-23					
Student Learning Outcome (SLO)	Assessment Instrument/ Achievement Target	Results	Analysis	Actions	Trends

Program: Bachelor of Business Administration (B.S.)—Major in Information Systems & Technology

<p>1. Common Body of Knowledge Students will demonstrate knowledge of the core principles of the major functional areas of Business Administration.</p>	<p>ETS Major Field Test in Business—Composite score. (Direct, External, Summative, Comparative) LCU composite mean at or above nationwide mean. (Target= $\mu_{LCU} \geq \mu_{nationwide}$)</p>	<p>AY2022-23: $\mu_{nationwide} = 148.8$ μ_{LCU} (IST, N=4) = 146.0 < 148.8; target not met. Two year (AY2021-23) weighted mean for which the current version of the MFT in Business has been in force: IST (N=10): 146.0 < 148.8; target not met. Note: Total scores for the three administrations have been AY2020-21:155, N=5; AY2021-22: 146, N=6; AY2022-23: 146, N=4. The cumulative weighted average over the three administrations (AY2020-23) is 149, N=15.¹</p>	<p>Since the IST degree does not require the same range of Business Core courses, it is not expected that IST majors should score as well as BBA majors. Score exceeded both national average and all BBA majors except Finance; target first time it was administered Sp21, fell short Sp22 and Sp23. It is also hypothesized that IST examinees should do less well in those functional areas for which IST curriculum does not contain a core Business class.^{2,3} For AY2022-23, that was only the case for Accounting, Economics, Marketing, and Legal & Social Environment, Finance and Management scores for both exceeded the nationwide average. However, one additional assessment indicator fell short of the nationwide average: QBA.</p>	<p>Over the three administrations of the exam (AY2020-21, 2021-22, 2022-23), the assessment indicators that have exhibited the most consistently low scores are Economics, QBA, and Legal & Social Issues. Of the three, QBA is perhaps most concerning for Information Systems majors. Faculty notes this and will examine where and how QBA topics may be buttressed.</p>	<p>*Two year weighted mean for which the current version of the MFT in Business has been in force (Form 4QMF, effective Fall 2021).</p>
<p>2. Functional Area Focus Students will demonstrate knowledge of the core principles in a selected specific functional area of Business Administration: Information Systems</p>	<p>ETS Major Field Test in Business—Assessment Indicator 8: Information Systems. (Direct, External, Summative, Comparative) LCU Information Systems AI mean at or above nationwide mean + 1 standard deviation. (Target= $\mu_{LCU} \geq \mu_{nationwide} + \sigma$)</p>	<p>AY2022-23: $\mu_{nationwide} + \sigma = 40.5 + 4.4 = 44.9$ μ_{LCU} (IST, N=4) = 46.0 > 44.9; target met. Two year (AY2021-23) weighted mean for which the current version of the MFT in Business has been in force: IST (N=10): 52.4 > 44.9; target met.</p>	<p>In addition to the AY2021-23 results, the first administration to IST majors for AY2020-21 under the prior Test Form (4MMF) yielded a score of 78, far above the mean plus 1 standard deviation. So far, for the three years that IST majors have taken the MFT in Business (AY202-23, N=15) students have demonstrated mastery of elemental IS topics (as would be expected for IST majors).</p>	<p>Positive result; no action.</p>	<p>*Two year weighted mean for which the current version of the MFT in Business has been in force (Form 4QMF, effective Fall 2021).</p>
<p>3. Spreadsheet Proficiency Students will demonstrate proficiency in the design and development of spreadsheet solutions.</p>	<p>Microsoft Office Specialist-Excel Associate Certification Exam. (Direct, External, Summative, Comparative) 100% pass rate on certification exam.</p>	<p>AY2022-23: n/a--no results.</p>	<p>n/a No results--new SLO. First administration during AY2022-23.</p>	<p>n/a No results--new SLO. First administration during AY2022-23.</p>	<p>n/a No results--new SLO. First administration during AY2022-23.</p>

¹ Administered for the first time to IST majors in the IS capstone class, IST 4380, Sp21. There have now been three administrations (Sp21, Sp22, Sp23). The first administration occurred with test Form 4MMF; the last two have been under the new version, Form 4QMF. According to ETS, total (composite) scores are comparable across test forms.

² The core classes to which this pertains (i.e., classes that BBA majors are required to take but IST majors are not) are ACC 2302 Principles of Managerial Accounting, BUA 3305 Marketing, BUA 4301 Business Law, ECO 2302 Microeconomics, FIN 3300 Corporate Finance I, MGT 3300 Principles of Management.

³ The assessment indicators for which IST majors not required to take one of the core classes are: Accounting, Economics, Finance, Management, Marketing, and Legal & Social Environment.