

Mission

Our unique Master of Science in Management Information Systems uses a hands-on approach to develop enterprise system skills so you can apply technology-based solutions to various business needs.

Academic Year 2025-2026
MS in Management Information Systems - MS-MMIS Learning Outcomes

Integration of the major business processes. **MET**

Students must learn how to integrate major business processes using SAP as the desired software

MEASURES	RESULTS	ACTIONS																																							
ERP Simulation Game in MISY 5340 The ERP Simulation Game: A Distribution Game to Teach the Value of Integrated Systems Direct - Assignment ERP Overview: MISY 5340 Target 90% of the classes must complete the game successfully 90% of the classes must be satisfied with the simulation game ERP SIM GAME DOCUMENT.docx	MET Summary Summary Tot I ERP Simulation Game Completion – MISY 5340 <table><tr><th>Semester</th><th>Total Students</th><th>Completed Students</th><th>Completion Percentage</th></tr><tr><td>Fall 2025</td><td>374</td><td>348</td><td>93%</td></tr><tr><td>Spring 2026</td><td>175</td><td>158</td><td>90.28%</td></tr><tr><td>Full Year</td><td>549</td><td>506</td><td>92.16%</td></tr></table> Analysis Comparison: Fall 2025 vs. Spring 2026 <table><tr><th>Semester</th><th>Mode</th><th>Completion Percentage</th></tr><tr><td>Fall 2025</td><td>On-campus</td><td>99% completed</td></tr><tr><td>Spring 2026</td><td>On-campus</td><td>100% completed</td></tr><tr><td>Fall 2025</td><td>Online</td><td>92.33% completed</td></tr><tr><td>Spring 2026</td><td>Online</td><td>89.1% completed</td></tr></table> Key Observations: - On-campus completion increased from 99% to 100%. - Online completion slightly decreased from 92.33% to 89.1%. - Overall, both semesters showed strong and consistent student engagement with the simulation game, with minimal variation between terms. The table below shows the total completion rate for the ERP simulation game in MISY 5340, combining both on-campus and online students for each semester and for the entire academic year (Fall 2025 and Spring 2026 combined): Tot I ERP Simulation Game Completion – MISY 5340 <table><tr><th>Semester</th><th>Total Students</th><th>Completed Students</th><th>Completion Percentage</th></tr><tr><td>Fall 2025</td><td>374</td><td>348</td><td>93%</td></tr></table>	Semester	Total Students	Completed Students	Completion Percentage	Fall 2025	374	348	93%	Spring 2026	175	158	90.28%	Full Year	549	506	92.16%	Semester	Mode	Completion Percentage	Fall 2025	On-campus	99% completed	Spring 2026	On-campus	100% completed	Fall 2025	Online	92.33% completed	Spring 2026	Online	89.1% completed	Semester	Total Students	Completed Students	Completion Percentage	Fall 2025	374	348	93%	Adopt or Expanded Technologies Not Started The course transitioned from the Maple Introduction Game to the Manufacturing Introduction Game in Fall 2025. However, the game voucher purchased earlier allowed access to only one game, not both. As a result, only the Manufacturing Introduction Game was used in Fall 2025, not both the Maple and Manufacturing games. Given the tight schedule of MISY 5340, especially in the online format, there was not sufficient room to accommodate more than one game. In addition, the Manufacturing Introduction Game introduced unnecessary confusion for students in understanding the simulation. For these reasons, we switched back to the Maple Introduction Game in Spring 2026.
Semester	Total Students	Completed Students	Completion Percentage																																						
Fall 2025	374	348	93%																																						
Spring 2026	175	158	90.28%																																						
Full Year	549	506	92.16%																																						
Semester	Mode	Completion Percentage																																							
Fall 2025	On-campus	99% completed																																							
Spring 2026	On-campus	100% completed																																							
Fall 2025	Online	92.33% completed																																							
Spring 2026	Online	89.1% completed																																							
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Fall 2025	374	348	93%																																						

	<table><tr><th>Semester</th><th>Tot l Students</th><th>Completed Students</th><th>Completion Percent ge</th></tr><tr><td>Spring 2026</td><td>175</td><td>158</td><td>90.28%</td></tr><tr><td>Full Year</td><td>549</td><td>506</td><td>92.16%</td></tr></table> ERP Simulation Game Completion F II 2025 LS.xlsx ERP Simulation Game Completion F II 2025 NW.xlsx ERP Simulation Game Completion F II 2025 SK.xlsx ERP Simulation Game Completion Spring 2026 MN.xlsx ERP Simulation Game Completion Spring 2026 RG.xlsx ERP Simulation Game Completion Spring 2026 YZ.xlsx	Semester	Tot l Students	Completed Students	Completion Percent ge	Spring 2026	175	158	90.28%	Full Year	549	506	92.16%	
Semester	Tot l Students	Completed Students	Completion Percent ge											
Spring 2026	175	158	90.28%											
Full Year	549	506	92.16%											
A survey of student’s perception of the Simulation game A survey of students’ perception of the use of ERP Simulation games to learn the integration of the major business processes Indirect - Survey <i>ERP Overview: MISY 5340</i> Target 90% of the classes must be satisfied with the simulation game	MET Summary Summary The survey results indicate highly positive student perception of the ERP Simulation Game across all measured categories. Overall student satisfaction and perceived learning effectiveness remained strong throughout the F II 2025 – Spring 2026 assessment cycle. Positive sentiment exceeded 90% across all survey categories, with the highest levels of agreement observed in collaboration and teamwork, student engagement, and understanding of integrated business processes. Analysis 95.01% of students reported positive overall experience with the ERP Simulation Game. 92.61% agreed that the simulation improved their understanding of business process integration. 96.07% agreed that the game provided realistic simulation of business processes. 94.71% indicated that the simulation enhanced their problem-solving skills and decision-making abilities. 96.64% reported that the game effectively engaged them in the learning process. 95.47% agreed that the simulation facilitated better understanding of ERP systems and their organizational applications. 99.07% indicated that the game encouraged collaboration and teamwork.	Revise Benchmark / Target Not Started We’re good as of now. We will maintain in this for another cycle.												

	The overall mean score across all quantitative survey items was 4.23 out of 5.00, demonstrating strong student satisfaction and perceived education value of the ERP Simulation Game as a learning tool for business process integration and ERP concepts. ERP_Survey_Analysis_Report.docx	
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Conclusion

The learning outcome, "Students must learn how to integrate major business processes using SAP as the desired software," was assessed using both direct measure (ERP Simulation Game in MISY 5340) and indirect measure (student perception survey of the ERP Simulation Game). Results from both measures indicate that the outcome was successfully achieved.

The direct assessment showed that students were able to apply their understanding of integrated business processes in simulated enterprise environment. More than 92% of students successfully completed the ERP Simulation Game during the 2025–2026 assessment cycle, exceeding the benchmark of 90%. Strong completion rates were observed across both on-campus and online sections, demonstrating consistent student achievement regardless of instruction delivery mode.

The indirect assessment reinforced these findings. Approximately 95% of students reported positive overall experience with the ERP Simulation Game, and more than 92% agreed that the simulation improved their understanding of business process integration. Students also reported strong gains in understanding ERP systems, problem-solving skills, decision-making abilities, and teamwork. The highest levels of agreement were observed in student engagement and collaboration, suggesting that the simulation effectively replicated the integrated nature of modern business operations.

Together, the direct and indirect measures provide strong evidence that students are achieving the intended learning outcome. Students not only demonstrated the ability to successfully complete ERP simulation activities but also recognized the value of the experience in helping them understand how business functions interact within an integrated enterprise system.

Overall, the assessment results indicate that the outcome was achieved and that the ERP Simulation Game remains an effective experiential learning tool within the MS in MIS curriculum.

Develop hands-on skills in SAP **MET**

Students must gain knowledge of how SAP

MEASURES	RESULTS	ACTIONS								
SAP assignments used in MISY 5340 There are seven SAP assignments on seven different SAP modules: Sales and Distribution, Materials Management, Production, Financial Accounting, Managerial Accounting, Navigation, and Project Systems. Direct - Assignment <i>ERP Overview: MISY 5340</i> Target 85% of students must receive minimum of 95% or better than the class average.	NOT MET Summary Results During the 2025–2026 assessment cycle, data were collected from seven sections of MISY 5340 offered across Fall 2025 and Spring 2026. On-Campus Sections (01 and 02) The on-campus assessment included sections 01 and 02 offered during Fall 2025 and Spring 2026. <table><tr><th>Delivery Mode</th><th>Students Meeting Target</th><th>Total Students</th><th>Percent Meeting Target</th></tr><tr><td>On-Campus (01/02)</td><td>43</td><td>52</td><td>82.69%</td></tr></table> Interpretation	Delivery Mode	Students Meeting Target	Total Students	Percent Meeting Target	On-Campus (01/02)	43	52	82.69%	Addition of Training Not Started To improve student performance and achieve the 85% benchmark in future assessment cycles, faculty will: Provide additional SAP practice exercises and tutorials for challenging modules. Increase opportunities for guided, hands-on demonstrations during class. Offer supplemental review materials and recorded walkthroughs for students needing additional support. Monitor assignment performance throughout the semester to identify students requiring early intervention. Continue sharing best practices among instructors teaching MISY 5340 to promote consistency across sections. Recommended Due Date: 09/01/2026
Delivery Mode	Students Meeting Target	Total Students	Percent Meeting Target							
On-Campus (01/02)	43	52	82.69%							

A total of **43 out of 52 students (82.69%)** in the on-campus sections achieved scores that met or exceeded 95% of the class average on the SAP assignments. Students demonstrated strong competency in completing hands-on ERP exercises and applying SAP concepts across multiple business functions.

Although the performance target of 85% was not fully achieved, the results indicate that most students successfully developed practical SAP skills.

Online Sections (F/B Sections)

The online assessment included all F and B sections offered during Fall 2025 and Spring 2026.

Delivery Mode	Students Meeting Target	Total Students	Percent Meeting Target
Online (F/B)	381	470	81.06%

Interpretation

A total of **381 out of 470 students (81.06%)** in the online sections achieved scores that met or exceeded 95% of the class average on the SAP assignments. The results demonstrate that students in the online environment were generally successful in developing hands-on SAP skills and understanding ERP business processes. While the assessment target of 85% was not met, the achievement rate indicates that a substantial majority of students successfully mastered the SAP assignments.

Comparison of Delivery Modes

Delivery Mode	Students Meeting Target	Total Students	Percent Meeting Target
On-Campus (01/02)	43	52	82.69%
Online (F/B)	381	470	81.06%
Overall	424	522	81.23%

Summary

Semester	Students Meeting Target	Total Students	Percent Meeting Target
Fall 2025	286	350	81.71%
Spring 2026	138	172	80.23%
Overall	424	522	81.23%

Interpretation

A total of **424 out of 522 students (81.23%)** achieved scores that were at least 95% of the class average on the SAP assignments. The results indicate that students generally

	demonstrated strong hands-on ERP skills and were able to successfully complete assignments across multiple SAP modules. However, the overall achievement rate of 81.23% fell slightly below the departmental benchmark of 85%. Despite not meeting the target, the results suggest that the majority of students are developing practical ERP competencies and gaining valuable experience in applying SAP concepts in realistic business scenarios. Student performance remained relatively consistent across semesters, with Fall 2025 achieving 81.71% and Spring 2026 achieving 80.23%. SAP Skills in MISY 5340 F II 2025.xlsx SAP Skills in MISY 5340 Spring 2026.xlsx Analysis Overall Conclusion Performance was very similar across delivery modes. On-campus students achieved slightly higher success rate (82.69%) than online students (81.06%), although both groups fell slightly below the departmental benchmark of 85%. The results show that students in both instructional formats are developing practical SAP competencies and gaining valuable ERP experience, and they also identify opportunities to strengthen student achievement.																						
A survey of student's perception of the use of SAP assignments A survey of student's perception of the use of SAP assignments to learn different business processes Indirect - Survey <i>ERP Overview: MISY 5340</i> Target 85% of the students must be satisfied with the SAP assignments	MET Summary Fall 2025 Results <table><tr><th>Response Category</th><th>Number</th><th>Percentage</th></tr><tr><td>Very Satisfactory</td><td>175</td><td>52.71%</td></tr><tr><td>Satisfactory</td><td>118</td><td>35.54%</td></tr><tr><td>Neutral</td><td>33</td><td>9.94%</td></tr><tr><td>Unsatisfactory</td><td>6</td><td>1.81%</td></tr><tr><td>Very Unsatisfactory</td><td>0</td><td>0.00%</td></tr><tr><td>Satisfied + Very Satisfied</td><td>293</td><td>88.25%</td></tr></table> Analysis A total of 332 students completed the survey during Fall 2025. Of these, 293 students (88.25%) reported being either Satisfied or Very Satisfied with their experience using SAP assignments to learn business processes. The performance target of 85% satisfaction was exceeded, indicating that students viewed the SAP assignments as an effective learning tool for understanding enterprise business processes. More than half of the respondents selected Very Satisfactory,	Response Category	Number	Percentage	Very Satisfactory	175	52.71%	Satisfactory	118	35.54%	Neutral	33	9.94%	Unsatisfactory	6	1.81%	Very Unsatisfactory	0	0.00%	Satisfied + Very Satisfied	293	88.25%	Notations have been added.
Response Category	Number	Percentage																					
Very Satisfactory	175	52.71%																					
Satisfactory	118	35.54%																					
Neutral	33	9.94%																					
Unsatisfactory	6	1.81%																					
Very Unsatisfactory	0	0.00%																					
Satisfied + Very Satisfied	293	88.25%																					

suggesting particularly strong positive perception of the hands-on SAP learning experience.

Conclusion

Target Met. The Fall 2025 satisfaction rate of **88.25%** exceeded the established benchmark of 85%.

Spring 2026 Results

Response Category	Number	Percentage
Very Satisfactory	77	48.13%
Satisfactory	60	37.50%
Neutral	15	9.38%
Unsatisfactory	6	3.75%
Very Unsatisfactory	2	1.25%
Satisfied + Very Satisfied	137	85.63%

Analysis

A total of **160 students** completed the survey during Spring 2026. Of these, **137 students (85.63%)** reported being either **Satisfied** or **Very Satisfied** with the SAP assignments.

The results indicate that students continued to perceive the SAP assignments positively and believed they contributed meaningfully to their understanding of business processes. Although the percentage of students reporting the highest satisfaction level was slightly lower than in Fall 2025, the overall satisfaction rate remained above the departmental benchmark.

Conclusion

Target Met. The Spring 2026 satisfaction rate of **85.63%** exceeded the established benchmark of 85%.

Overall Results (2025–2026)

Semester	Satisfied + Very Satisfied	Total Responses	Percentage
Fall 2025	293	332	88.25%
Spring 2026	137	160	85.63%
Overall	430	492	87.40%

Overall Interpretation

Across both semesters, **430 of 492 respondents (87.40%)** indicated that they were **Satisfied** or **Very Satisfied** with the SAP assignments. The assessment target of **85%** was achieved in both Fall 2025 and Spring 2026, demonstrating that students perceive the SAP assignments as a valuable component of their ERP education and an effective means of learning business process integration within an enterprise system environment.

	Survey on SAP Assignments for Learning Business Processes Revised May 29, 2026 1255.csv Analysis Overall Interpretation Across both semesters, 430 of 492 respondents (87.40%) indicated that they were Satisfied or Very Satisfied with the SAP assignments. The assessment target of 85% was achieved in both Fall 2025 and Spring 2026, demonstrating that students perceive the SAP assignments as a valuable component of their ERP education and an effective means of learning business process integration within an enterprise system environment.	
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Conclusion

The learning outcome, "Students must gain knowledge of how SAP," was assessed using direct measure (SAP assignments in MISY 5340) and indirect measure (student perception survey of the SAP assignments). Collectively, the results indicate that students are developing meaningful hands-on SAP skills, although the direct performance benchmark was not fully achieved.

The direct assessment measured student performance on seven SAP assignments covering major ERP modules, including Sales and Distribution, Materials Management, Production Planning, Financial Accounting, Managerial Accounting, Navigation, and Project Systems. Overall, 81.23% of students achieved scores at least 95% of the class average, falling slightly below the established benchmark of 85%. Performance was similar across delivery modes, with on-campus students achieving 82.69% and online students achieving 81.06%. Although the target was not met, the results indicate that a substantial majority of students successfully developed practical SAP competencies and gained experience applying SAP concepts across multiple business functions.

The indirect assessment produced stronger results. Across Fall 2025 and Spring 2026, 87.40% of students reported being satisfied or very satisfied with the SAP assignments, exceeding the benchmark of 85%. Students indicated that the assignments helped them understand business processes and provided valuable hands-on experience with SAP. These findings suggest that students recognize the educational value of the assignments and perceive them as an effective tool for learning ERP concepts.

Taken together, the assessment results suggest that the outcome was substantially achieved. While the direct measure fell slightly below the benchmark, both measures demonstrate that students are acquiring practical SAP knowledge and skills. The positive survey results indicate strong student engagement and confidence in the learning experience.

Develop skills in Data Analytics **NOT MET**

Students must develop hands-on skills

MEASURES	RESULTS	ACTIONS
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SAP Assignments on D t Analytics used in MISY 5360 There will be sever I SAP ssignments on d t n lytics to be worked on by students. Direct - Assignment <i>Business Intelligence: MISY 5360</i> T rget 85% of students must receive minimum of 95% or better th n the cl ss ver ge	NOT MET Summ ry F ll 2025 Online Sections (F/B) <table><tr><th>Students Meeting T rget</th><th>Tot l Students</th><th>Percent Meeting T rget</th></tr><tr><td>113</td><td>140</td><td>80.71%</td></tr></table> An lysis In F ll 2025, 113 of 140 students (80.71%) enrolled in the online sections chieved scores t le st 95% of the cl ss ver ge on the SAP D t Analytics ssignments. Students demonstr ted subst nti l proficiency in pplying business intelligence nd d t n lytics concepts using SAP tools. Although the m jority of students met the expected perform nce level, the result fell slightly below the dep rtment l benchm rk of 85%. On-C mpus Sections (01) <table><tr><th>Students Meeting T rget</th><th>Tot l Students</th><th>Percent Meeting T rget</th></tr><tr><td>33</td><td>39</td><td>84.62%</td></tr></table> An lysis In the on-c mpus section, 33 of 39 students (84.62%) chieved the perform nce t rget. Students demonstr ted strong h nds-on n lytic l skills nd were ble to effectively complete SAP-b sed business intelligence ssignments. The result w s very close to the 85% benchm rk. Spring 2026 Online Sections (F/B) <table><tr><th>Students Meeting T rget</th><th>Tot l Students</th><th>Percent Meeting T rget</th></tr><tr><td>72</td><td>98</td><td>73.47%</td></tr></table> An lysis During Spring 2026, 72 of 98 students (73.47%) in the online sections met the perform nce criterion. While most students successfully completed the SAP d t n lytics ssignments, the chievement r te s below the dep rtment l t rget, suggesting need for ddition l instruction l support nd pr ctice opportunities in the online environment.	Students Meeting T rget	Tot l Students	Percent Meeting T rget	113	140	80.71%	Students Meeting T rget	Tot l Students	Percent Meeting T rget	33	39	84.62%	Students Meeting T rget	Tot l Students	Percent Meeting T rget	72	98	73.47%	Implement New Progr m or Services Not St rted Incre se h nds-on demonstr tions of SAP n lytics tools. Develop ddition l ssignment w lkthrough videos for online students. Provide supplement l pr ctice exercises nd review sessions. Monitor e rly ssignment perform nce to identify students needing intervention. Continue refining SAP n lytics ssignments to lgn with course le rning outcomes nd industry expect tions. Recommended Due D te: 09/01/2026
Students Meeting T rget	Tot l Students	Percent Meeting T rget																		
113	140	80.71%																		
Students Meeting T rget	Tot l Students	Percent Meeting T rget																		
33	39	84.62%																		
Students Meeting T rget	Tot l Students	Percent Meeting T rget																		
72	98	73.47%																		

On-C mpus Sections (01)

Students Meeting T rget	Tot l Students	Percent Meeting T rget
13	17	76.47%

An lysis

For the on-c mpus section, **13 of 17 students (76.47%)** met the t rget. Students gener lly demonstr ted competency in SAP-b sed d t n lytics t sks; however, the benchm rk of 85% w s not chieved.

Over ll Results by Delivery Mode (2025-2026)

Online Sections (F/B)

Students Meeting T rget	Tot l Students	Percent Meeting T rget
185	238	77.73%

An lysis

Across both semesters, **185 of 238 online students (77.73%)** chieved scores t le st 95% of the cl ss ver ge. While the results demonstr te th t m jority of students developed pr ctic l SAP d t n lytics skills, the over ll perform nce did not meet the est blished benchm rk of 85%.

On-C mpus Sections (01)

Students Meeting T rget	Tot l Students	Percent Meeting T rget
46	56	82.14%

An lysis

Across both semesters, **46 of 56 on-c mpus students (82.14%)** met the ssessment criterion. Student perform nce w s consistently higher th n th t of online students but rem ined slightly below the dep rtment l t rget.

Over ll Progr m Results (All Sections)

Students Meeting T rget	Tot l Students	Percent Meeting T rget
231	294	78.57%

Over ll Conclusion

A tot l of **231 out of 294 students (78.57%)** chieved scores t le st 95% of the cl ss ver ge on the SAP D t

	An lytics ssignments. Although the sssessment t rget of 85% w s not chieved, the results indic te th t most students successfully developed h nds-on skills in business intelligence nd d t n lytics using SAP tools. Perform nce w s stronger in on-c mpus sections (82.14%) th n in online sections (77.73%), suggesting th t ddition l support mech nisms, supplement l tutori ls, nd guided pr ctice ctivities m y help improve student success in future offerings. Choose Files No file chosen Ask anything	
SAP Assignments on D t An lytics used in MISY 5370 There will be sever l SAP ssignments on d t n lytics to be worked on by students Direct - Assignment D t Mining & Predictive An ly: MISY 5370	MET Summ ry F II 2025 On-C mpus Section (01)	<i>N ctions h ve been dded.</i>

Target									
	85% of students must receive minimum of 95% or better than the class average								
	<table><tr><th>Students Meeting Target</th><th>Total Students</th><th>Percent Meeting Target</th></tr><tr><td>24</td><td>27</td><td>88.89%</td></tr></table>	Students Meeting Target	Total Students	Percent Meeting Target	24	27	88.89%		
Students Meeting Target	Total Students	Percent Meeting Target							
24	27	88.89%							
	Analysis								
	In Fall 2025, 24 of 27 students (88.89%) in the on-campus section achieved scores at least 95% of the class average on the SAP assignments. Students demonstrated strong competency in applying data mining and predictive analytics concepts through hands-on SAP exercises. The results indicate that students successfully developed practical analytic skills and exceeded the department benchmark.								
	Conclusion								
	Target Met.								
	Online Sections (F/B)								
	<table><tr><th>Students Meeting Target</th><th>Total Students</th><th>Percent Meeting Target</th></tr><tr><td>93</td><td>104</td><td>89.42%</td></tr></table>	Students Meeting Target	Total Students	Percent Meeting Target	93	104	89.42%		
Students Meeting Target	Total Students	Percent Meeting Target							
93	104	89.42%							
	Analysis								
	In the Fall 2025 online sections, 93 of 104 students (89.42%) met the assessment criterion. Students demonstrated strong proficiency in utilizing SAP analytics tools and applying data mining techniques to business problems. The results exceeded the established benchmark and indicate successful development of hands-on analytic skills in the online learning environment.								
	Conclusion								
	Target Met.								
	Spring 2026								
	On-Campus Section (01)								
	<table><tr><th>Students Meeting Target</th><th>Total Students</th><th>Percent Meeting Target</th></tr><tr><td>22</td><td>27</td><td>81.48%</td></tr></table>	Students Meeting Target	Total Students	Percent Meeting Target	22	27	81.48%		
Students Meeting Target	Total Students	Percent Meeting Target							
22	27	81.48%							
	Analysis								
	In Spring 2026, 22 of 27 students (81.48%) in the on-campus section achieved scores at least 95% of the class average. While most students demonstrated competency in predictive analytics and data mining techniques, the performance target was not achieved.								
	Conclusion								
	Target Not Met.								

Online Sections (F/B)

Students Meeting Target	Total Students	Percent Meeting Target
81	89	91.01%

Analysis

In the Spring 2026 online sections, **81 of 89 students (91.01%)** met the assessment criterion. Students demonstrated strong mastery of SAP-based data analytics techniques and successfully applied predictive analytics concepts through hands-on assignments. The performance substantially exceeded the department benchmark.

Conclusion

Target Met.

Overall Results by Delivery Mode (2025-2026)

On-Campus (01)

Students Meeting Target	Total Students	Percent Meeting Target
46	54	85.19%

Analysis

Across both semesters, **46 of 54 students (85.19%)** in the on-campus sections achieved scores at least 95% of the class average. Overall performance met the department benchmark, indicating that students successfully developed hands-on data analytics skills using SAP tools.

Conclusion

Target Met.

Online (F/B)

Students Meeting Target	Total Students	Percent Meeting Target
174	193	90.16%

Analysis

Across both semesters, **174 of 193 students (90.16%)** in the online sections met the assessment criterion. The results demonstrate strong student achievement and indicate that the online format effectively supported the development of practical data analytics skills.

Conclusion

Target Met.

	Over II Program Results (All Sections) <table><tr><th>Students Meeting Target</th><th>Total Students</th><th>Percent Meeting Target</th></tr><tr><td>220</td><td>247</td><td>89.07%</td></tr></table> Over II Analysis During the 2025–2026 assessment cycle, 220 of 247 students (89.07%) achieved scores at least 95% of the class average on the SAP Data Analytics assignments. Students demonstrated strong proficiency in applying data mining and predictive analytics concepts through hands-on SAP exercises. Achievement levels exceeded the department benchmark over II, with particularly strong performance in the online sections. Over II Conclusion Target Met. The over II achievement rate of 89.07% exceeded the department benchmark of 85%. The results indicate that MISY 5370 successfully develops hands-on data analytics, data mining, and predictive analytics skills that prepare students to apply analytic techniques in business environments. SAP Skills in MISY 5370-01 Spring 2026 Y .xlsx SAP Skills in MISY 5370F II 2025.xlsx Analysis Over II Conclusion Target Met. The over II achievement rate of 89.07% exceeded the department benchmark of 85%. The results indicate that MISY 5370 successfully develops hands-on data analytics, data mining, and predictive analytics skills that prepare students to apply analytic techniques in business environments.	Students Meeting Target	Total Students	Percent Meeting Target	220	247	89.07%													
Students Meeting Target	Total Students	Percent Meeting Target																		
220	247	89.07%																		
A survey of student's perception of the use of SAP assignments to learn data analytics Indirect - Survey Business Intelligence: MISY 5360 Target 85% of the students must be satisfied with the SAP assignments on data analytics	NOT MET Summary Results <table><tr><th>Response Category</th><th>Number</th><th>Percentage</th></tr><tr><td>Very Satisfactory</td><td>190</td><td>41.85%</td></tr><tr><td>Satisfactory</td><td>161</td><td>35.46%</td></tr><tr><td>Neutral</td><td>60</td><td>13.22%</td></tr><tr><td>Unsatisfactory</td><td>28</td><td>6.17%</td></tr><tr><td>Very Unsatisfactory</td><td>15</td><td>3.30%</td></tr></table>	Response Category	Number	Percentage	Very Satisfactory	190	41.85%	Satisfactory	161	35.46%	Neutral	60	13.22%	Unsatisfactory	28	6.17%	Very Unsatisfactory	15	3.30%	Implement New Program or Services Not Started Provide additional demonstrations and tutorials on SAP analytics tools. Develop assignment walkthrough videos and supplement learning materials. Increase opportunities for guided practice before major assignments. Collect student feedback regarding specific challenges encountered during the assignments. Continue refining the assignments to improve usability and enhance student engagement with data analytics concepts.
Response Category	Number	Percentage																		
Very Satisfactory	190	41.85%																		
Satisfactory	161	35.46%																		
Neutral	60	13.22%																		
Unsatisfactory	28	6.17%																		
Very Unsatisfactory	15	3.30%																		

Response Category	Number	Percent	Range
Satisfied + Very Satisfied	351	77.31%	

Total Responses: 454

Recommended Due Date: 09/01/2026

Analysis

A total of **454 students** completed the survey. Of these, **351 students (77.31%)** reported being either **Satisfied** or **Very Satisfied** with their experience using SAP assignments to learn data analytics.

The results indicate that the substantial majority of students viewed the SAP assignments positively and believed that the assignments contributed to their understanding of data analytics concepts and applications. In particular, over 41% of respondents reported being **Very Satisfied** with their experience. However, the combined satisfaction rate of **77.31%** fell below the departmental benchmark of **85%**.

The results suggest that while students generally found value in the SAP-based data analytics assignments, opportunities exist to improve the learning experience through additional instructional support, tutorials, assignment guidance, and practice opportunities.

[Survey on SAP Assignments for Learning Data Analytics May 29, 2026 1419.csv](#)

Analysis

A total of **454 students** completed the survey. Of these, **351 students (77.31%)** reported being either **Satisfied** or **Very Satisfied** with their experience using SAP assignments to learn data analytics. This indicates that more than three-fourths of the students held a positive perception of the SAP assignments and believed they contributed to their understanding of data analytics concepts and applications.

The combined satisfaction rate demonstrates that students generally found the hands-on SAP assignments beneficial for learning data analytics and applying analytical concepts in practical environment. However, **77.31%** of respondents reported positive satisfaction, which falls short of the program benchmark of **85%**. In addition, **13.22%** of students reported neutral experience, while **9.47%** expressed dissatisfaction (Unsatisfactory or Very Unsatisfactory).

Overall, the results suggest that students recognize the value of the SAP assignments in developing data analytics skills, but there are opportunities to improve the learning experience through additional instructional support, clearer

	assignment guidance, and expanded practice opportunities. Conclusion Target Not Met. A total of 77.31% of students reported being Satisfied or Very Satisfied with the SAP assignments, which is below the target of 85%. While the majority of students viewed the assignments positively, improvements should be implemented to increase student satisfaction and enhance the learning experience.	
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General Outcome Actions

ACTIONS
Implement New Program or Services Not Started Faculty will enhance hands-on demonstrations, provide additional tutorials and guided practice opportunities, and continue refining SAP analytics assignments to improve both student performance and satisfaction. Recommended Due Date: 09/01/2026

Conclusion

The learning outcome, "Students must develop hands-on skills in Data Analytics," was assessed using two direct measures and one indirect measure. The direct measures evaluated student performance on SAP-based analytics assignments in MISY 5360 (Business Intelligence) and MISY 5370 (Data Mining & Predictive Analytics), while the indirect measure assessed student perceptions of the SAP assignments.

Results indicate that students are developing hands-on data analytics skills, although achievement varied across courses. In MISY 5360, 78.57% of students met the performance criterion, falling below the benchmark of 85%. In MISY 5370, 89.07% of students met the criterion, exceeding the benchmark and demonstrating strong proficiency in applying data mining and predictive analytics concepts through SAP assignments.

The indirect assessment also fell below the benchmark, with 77.31% of students reporting that they were satisfied or very satisfied with the SAP assignments used to learn data analytics. While most students viewed the assignments positively and recognized their value, the results suggest opportunities to improve instructional support and assignment design.

Overall, the outcome was partially achieved. One direct measure exceeded the benchmark, while the second direct measure and the indirect measure fell below target levels. However, all measures indicate that a substantial majority of students developed practical data analytics skills and gained experience applying analytic techniques using SAP tools. The stronger results in MISY 5370 suggest that students continue to strengthen their analytics competencies as they progress through the curriculum.

Faculty will enhance hands-on demonstrations, provide additional tutorials and guided practice opportunities, and continue refining SAP analytics assignments to improve both student performance and satisfaction.

Apply technology-based solutions to solve business problems. **NOT MET**

Students must gain knowledge in variety of commercial and software to help businesses perform better.

MEASURES	RESULTS	ACTIONS
Non-SAP Assignments used in MISY 5360 Direct - Assignment <i>Business Intelligence: MISY 5360</i> Target	NOT MET Summary Fail 2025 Online Sections (48F/10B)	Implement New Program or Services Not Started Increase hands-on software demonstrations and guided exercises. Expand video tutorials and supplement resources for online students. Provide earlier formative feedback on

85% of students must receive minimum of 95% or better than the class average

Students Meeting Target	Total Students	Percent Meeting Target
115	140	82.14%

Analysis

In Fall 2025, **115 of 140 students (82.14%)** enrolled in the online sections achieved scores at least 95% of the class average on the non-SAP assignments. Students demonstrated strong proficiency in using business intelligence and analytics tools to solve business problems. Although the majority of students met the performance criterion, the result fell slightly below the departmental benchmark of 85%.

Conclusion

Target Not Met.

On-Campus Section (01)

Students Meeting Target	Total Students	Percent Meeting Target
36	39	92.31%

Analysis

In the on-campus section, **36 of 39 students (92.31%)** achieved the performance criterion. Students demonstrated high level of competency in applying commercial software tools to business analytics problems and exceeded the departmental benchmark.

Conclusion

Target Met.

Spring 2026
Online Sections (48F/3B)

Students Meeting Target	Total Students	Percent Meeting Target
79	98	80.61%

Analysis

In Spring 2026, **79 of 98 students (80.61%)** enrolled in the online sections achieved scores at least 95% of the class average. Students generally demonstrated competency in applying analytics software tools; however, the achievement rate fell below the target of 85%.

Conclusion

Target Not Met.

On-Campus Section (01)

assignments.
Continue integrating industry-relevant analytics tools and technologies into coursework.
Monitor student performance throughout the semester to identify students needing additional support before major assignments.
Recommended Due Date: 09/01/2026

Students Meeting Target	Total Students	Percent Meeting Target
14	17	82.35%

Analysis

In the on-campus section, **14 of 17 students (82.35%)** met the performance criterion. While most students successfully demonstrated proficiency in the use of commercial analytics software, the performance target was not achieved.

Conclusion

Target Not Met.

Overall Results by Delivery Mode (2025-2026)

Online Sections (F/B)

Students Meeting Target	Total Students	Percent Meeting Target
194	238	81.51%

Analysis

Across both semesters, **194 of 238 online students (81.51%)** achieved scores at least 95% of the class average. The results indicate that most students successfully developed technology-based problem-solving skills using commercial analytics software; however, the benchmark of 85% was not achieved.

Conclusion

Target Not Met.

On-Campus Sections (01)

Students Meeting Target	Total Students	Percent Meeting Target
50	56	89.29%

Analysis

Across both semesters, **50 of 56 on-campus students (89.29%)** achieved the performance criterion. Students consistently demonstrated strong proficiency in applying business intelligence and analytics software to solve business problems. The overall achievement rate exceeded the department benchmark.

Conclusion

Target Met.

Overall Program Results (All)

	Sections) <table><thead><tr><th>Students Meeting Target</th><th>Total Students</th><th>Percent Meeting Target</th></tr></thead><tbody><tr><td>244</td><td>294</td><td>82.99%</td></tr></tbody></table> Overall Analysis During the 2025–2026 assessment cycle, 244 of 294 students (82.99%) achieved scores at least 95% of the class average on the non-SAP assignments. The results demonstrate that students developed practical skills in applying technology-based solutions to business problems through the use of commercial analytics and business intelligence software. Performance was stronger in the on-campus sections (89.29%) than in the online sections (81.51%). Overall Conclusion Target Not Met. The overall achievement rate of 82.99% fell slightly below the departmental benchmark of 85%. While the majority of students successfully demonstrated proficiency in applying technology-based solutions to business problems, additional instructional support and practice opportunities may help improve student performance in future assessment cycles. NON SAP Skills in MISY 5360 F II 2025.xlsx NON SAP Skills in MISY 5360 Spring 2026.xlsx Analysis The overall achievement rate of 82.99% fell slightly below the departmental benchmark of 85%. While the majority of students successfully demonstrated proficiency in applying technology-based solutions to business problems, additional instructional support and practice opportunities may help improve student performance in future assessment cycles.	Students Meeting Target	Total Students	Percent Meeting Target	244	294	82.99%	
Students Meeting Target	Total Students	Percent Meeting Target						
244	294	82.99%						
Non-SAP Assignments used in MISY 5370 Direct - Assignment D t Mining & Predictive Analytics: MISY 5370 Target 85% of students must receive minimum of 95% or better than the class average	NOT MET Summary F II 2025 On-Campus Section (01) <table><thead><tr><th>Students Meeting Target</th><th>Total Students</th><th>Percent Meeting Target</th></tr></thead><tbody><tr><td>24</td><td>27</td><td>88.89%</td></tr></tbody></table> Analysis	Students Meeting Target	Total Students	Percent Meeting Target	24	27	88.89%	Implement New Program or Services Not Started Continue integrating industry-relevant analytics and predictive modeling software into coursework. Expand guided demonstrations and assignment walkthroughs. Increase supplemental practice opportunities, particularly for online students. Provide earlier formative feedback to identify students requiring additional support. Continue aligning assignments with current industry practices and business analytics competencies. Recommended Due Date: 09/01/2026
Students Meeting Target	Total Students	Percent Meeting Target						
24	27	88.89%						

In Fall 2025, **24 of 27 students (88.89%)** enrolled in the on-campus section achieved scores at least 95% of the class average on the non-SAP assignments. Students demonstrated strong proficiency in applying predictive analytics and data mining techniques using commercial software tools. The results exceeded the departmental benchmark of 85%.

Conclusion

Target Met.

Online Sections (48F/8B)

Students Meeting Target	Total Students	Percent Meeting Target
86	104	82.69%

Analysis

In Fall 2025, **86 of 104 students (82.69%)** enrolled in the online sections achieved scores at least 95% of the class average. Students generally demonstrated competency in applying technology-based analytic tools to solve business problems; however, the performance target was not achieved.

Conclusion

Target Not Met.

Spring 2026

On-Campus Section (01)

Students Meeting Target	Total Students	Percent Meeting Target
23	27	85.19%

Analysis

In Spring 2026, **23 of 27 students (85.19%)** achieved scores at least 95% of the class average on the non-SAP assignments. Students demonstrated effective application of predictive analytics techniques and commercial software tools to solve business problems. The performance target was achieved.

Conclusion

Target Met.

Online Sections (48F/3B)

Students Meeting Target	Total Students	Percent Meeting Target
73	89	82.02%

Analysis

In Spring 2026, **73 of 89 students (82.02%)** enrolled in the online sections met the assessment criterion. While most students successfully completed the assignments and demonstrated practical analytics skills, the achievement rate remained slightly below the departmental benchmark.

Conclusion

Target Not Met.

Overall Results by Delivery Mode (2025-2026)

On-Campus Sections (01)

Students Meeting Target	Total Students	Percent Meeting Target
47	54	87.04%

Analysis

Across both semesters, **47 of 54 students (87.04%)** in the on-campus sections achieved scores at least 95% of the class average. Students consistently demonstrated strong proficiency in applying commercial analytics software and predictive modeling techniques to solve business problems. The overall achievement rate exceeded the departmental benchmark.

Conclusion

Target Met.

Online Sections (F/B)

Students Meeting Target	Total Students	Percent Meeting Target
159	193	82.38%

Analysis

Across both semesters, **159 of 193 online students (82.38%)** met the assessment criterion. Students generally demonstrated competency in applying technology-based solutions and analytical tools; however, the overall performance fell slightly below the benchmark of 85%.

Conclusion

Target Not Met.

Overall Program Results (All Sections)

	Students Meeting Target 206 Total Students 247 Percent Meeting Target 83.40% Overall Analysis During the 2025–2026 assessment cycle, 206 of 247 students (83.40%) achieved scores at least 95% of the class average on the non-SAP assignments. The results indicate that students developed practical skills in applying technology-based solutions, predictive analytics, and commercial software tools to solve business problems. Performance was stronger in the on-campus sections (87.04%) than in the online sections (82.38%). Overall Conclusion Target Not Met. The overall achievement rate of 83.40% fell slightly below the departmental benchmark of 85%. While the majority of students successfully demonstrated competency in applying technology-based solutions to business problems, additional instructional support and enhanced practice opportunities may help improve future performance. NON SAP Skills in MISY 5370-01 Spring 2026 YZ.xlsx NON SAP Skills in MISY 5370 F II 2025 (2).xlsx Analysis The overall achievement rate of 83.40% fell slightly below the departmental benchmark of 85%. While the majority of students successfully demonstrated competency in applying technology-based solutions to business problems, additional instructional support and enhanced practice opportunities may help improve future performance.	
Grading exit questionnaire Indirect - Survey Target 85% of the students will be extremely or moderately satisfied with the technology covered in core and elective courses offered in the MS in MIS program	MET Summary Results The grading exit questionnaire was administered to graduating MS in MIS students during the 2025–2026 academic year. Students were asked: "Overall, how satisfied or dissatisfied are you with the technology covered in the core and elective courses offered in the MS in MIS program?"	Other Additional IDT Not Started Continue updating software and technology content to reflect industry trends. Maintain the integration of enterprise systems, analytics, artificial intelligence, cybersecurity, and business intelligence tools throughout the curriculum. Continue gathering graduating student feedback to identify emerging technology needs. Expand opportunities for hands-on learning experiences using industry-standard software platforms. Continue periodic curriculum reviews to ensure alignment with employer expectations and workforce demands. Recommended Due Date: 06/01/2026

Response Distribution

Response Category	Number	Percentage
Extremely Satisfied	10	58.82%
Moderately Satisfied	5	29.41%
Slightly Satisfied	1	5.88%
Slightly Dissatisfied	1	5.88%
Moderately Dissatisfied	0	0.00%
Extremely Dissatisfied	0	0.00%
Extremely + Moderately Satisfied	15	88.24%

Total Responses: 17

Analysis

A total of 17 graduating students completed the exit survey. Of these, 15 students (88.24%) reported being either **Extremely Satisfied** or **Moderately Satisfied** with the technology covered in the core and elective courses offered in the MS in MIS program.

The results indicate a high level of student satisfaction with the technology curriculum. Nearly 59% of respondents reported being **Extremely Satisfied**, while in addition 29% reported being **Moderately Satisfied**. These findings suggest that students perceive the program as providing strong exposure to relevant technologies and software tools that support business decision-making and problem-solving.

Only two students reported satisfaction levels below the target categories, indicating that the vast majority of graduating students viewed the technology content of the program positively.

[2026 May 29, 2026 1454.csv](#)

Analysis

Conclusion

Target Met.

A total of 88.24% of graduating students reported being **Extremely Satisfied** or **Moderately Satisfied** with the technology covered in the MS in MIS program, exceeding the departmental benchmark of 85%.

The results suggest that the program is successfully preparing students through exposure to current and relevant business technologies, analytics tools, enterprise systems, and software applications that support technology-based solutions to business problems.

General Outcome Actions

ACTIONS
Implement New Program or Services Not Started To strengthen student achievement on this outcome, faculty will continue expanding opportunities for hands-on learning using industry-relevant software tools and technologies. Additional guided exercises, software demonstrations, and practice assignments will be incorporated into MISY 5360 and MISY 5370 to reinforce the application of technology-based solutions to business problems. Faculty will review assignments to ensure alignment with current industry practices and emerging technologies in business intelligence, analytics, artificial intelligence, and enterprise systems. Additional instructional resources, including tutorials, recorded demonstrations, and assignment walkthroughs, will be developed to support student learning, particularly in online sections. The program will continue to integrate commercial software applications throughout the curriculum to provide students with exposure to diverse set of technology tools. Faculty will also monitor student performance on major assignments and provide earlier feedback and intervention for students requiring additional support. Finally, gathering student feedback will continue to be collected and analyzed to identify emerging technology needs and guide future curriculum enhancements. These efforts are expected to improve student performance on direct measures while maintaining high levels of satisfaction with the technology content of the MS in MIS program. Recommended Due Date: 09/01/2026

Conclusion

The learning outcome, *"Students must gain knowledge in variety of commercial industries and software to help businesses perform better,"* was assessed using two direct measures and one indirect measure. The direct measures evaluated student performance on non-SAP assignments in MISY 5360 and MISY 5370, while the indirect measure assessed graduating students' satisfaction with the technology covered in the MS in MIS program.

The direct assessments indicate that students are developing the ability to apply technology-based solutions to business problems, although neither course achieved the benchmark of 85%. In MISY 5360, 82.99% of students met the performance criterion, while 83.40% met the criterion in MISY 5370. Although slightly below target, both results demonstrate that most students successfully applied business intelligence, analytics, and predictive modeling software to solve business problems.

The indirect assessment produced stronger results. In the graduating exit survey, 88.24% of students reported being extremely or moderately satisfied with the technology covered in the program, exceeding the benchmark of 85%. Students indicated that the curriculum provided valuable exposure to relevant technologies, analytics tools, enterprise systems, and software applications used in modern organizations.

Overall, the outcome was substantially achieved. While the direct measures fell slightly below the benchmark, both demonstrated strong student performance, and the indirect measure exceeded expectations. Collectively, the results indicate that students are gaining practical experience with industry-relevant technologies and developing the skills needed to apply technology-based solutions in business environments. Continued emphasis on hands-on learning, software-based assignments, and emerging technologies should further strengthen student achievement.

Assessment Report Summary

The 2025–2026 assessment results demonstrate that the MS in Management Information Systems program continues to fulfill its mission of providing hands-on, technology-focused education that prepares students to apply technology-based solutions to business problems. Assessment activities focused on three major results: understanding integrated business processes through ERP systems, developing hands-on SAP skills, and building data analytics and business intelligence competencies using both SAP and non-SAP technologies.

The strongest results were observed in measures related to the ERP simulation game and student satisfaction with ERP learning experiences. More than 92% of students successfully completed the ERP simulation game, and over 95% reported positive learning experience. Students consistently indicated that the simulation improved their understanding of integrated business processes, enhanced problem-solving skills, and promoted teamwork and collaboration. These findings confirm that experiential learning through ERP simulation remains a highly effective component of the curriculum.

Assessment results related to SAP skills in ERP and data analytics courses showed mixed outcomes. While the majority of students successfully demonstrated hands-on SAP competencies, some direct measures fell slightly below the program benchmark of 85%. Students generally performed better in MISY 5370 (Data Mining and Predictive Analytics) than in MISY 5360 (Business Intelligence),

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suggesting that predictive analytics assignments may provide a more effective framework for developing applied SAP analytics skills. Student satisfaction with SAP-based analytics assignments was also lower than expected, indicating opportunities to improve instructional support, assignment guidance, and practice opportunities.

Measures assessing the ability to apply technology-based solutions through the use of non-SAP commercial software also produced mixed results. On-campus students consistently exceeded program benchmarks, while online students performed slightly below target levels. These results suggest that students are developing strong technology and analytics competencies, but that additional support mechanisms may be needed in the online environment to achieve more consistent outcomes across delivery modes.

Overall, the assessment results present a positive picture of the MS in MIS program. Most measures either met or came very close to established benchmarks, and graduating students expressed a high level of satisfaction with the technology content of the curriculum. In the graduating exit survey, 88.24% of students reported being extremely or moderately satisfied with the technologies covered in the program, confirming that students value the practical, hands-on approach that characterizes the MS in MIS curriculum.

The assessment findings suggest that the program's greatest strengths lie in experiential learning, enterprise systems education, business process integration, and exposure to industry-relevant technologies. Future improvement efforts will focus on strengthening SAP analytics instruction, expanding guided practice opportunities, enhancing online student support, and continuing to update course content to reflect emerging technologies such as artificial intelligence, cybersecurity, business analytics, and enterprise systems. Overall, the assessment results indicate that the MS in MIS program is successfully preparing graduates to use technology effectively to solve complex business problems while identifying targeted areas for continuous improvement.