

MS HEALTH INFORMATICS & ANALYTICS ANNUAL ASSESSMENT PLAN & FINDINGS

2022-2023 ACADEMIC YEAR

2022 – 2023 CURRICULUM MAP

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8
	Apply principles of leadership in the development of strategic goals, achieving organizational outcomes, and modeling professional values.	Utilize health care information technology and statistical reasoning in organizational planning and decision making.	Evaluate health care outcomes using quality improvement and risk standards.	Apply problem-solving approaches in the resolution of health care issues and digital management of health care information.	Analyze data to improve clinical practices, organizational priorities, risk analytics, metrics, and trends.	Propose the design, delivery, and improvement of software applications, training programs, and related courseware.	Evaluate policies and procedures protecting confidential patient information in accordance with federal and state regulations.	Develop strategic initiatives for information management systems and regulatory policies.
<i>HIA 601 Foundations in Health Informatics</i>	I	I	I	I	I	I	I	I
<i>HIA 608 Health Care Program & Project Management</i>	R	R	R	R	R	R		R
<i>HIA 610 Systems Analysis, Design & Technology Management</i>	R	R		R	R	R	R	
<i>HIA 612 Technology Topics in Information Governance & Business Analytics</i>	R	R	R	R	R	R	R	R
<i>HIA 615 Management Topics in Information Governance</i>	M	R	R	R	R	M	M	M
<i>HIA 620 Data Visualization & Decision Support</i>	M	R	R	M	R		M	M
<i>HIA 625 Principles of Biostatistics</i>	M	M	M	M	M			
<i>HIA 630 Clinical Research & Grant Writing</i>	M	M	M	M	M	M	M	M

<i>HIA 640 Provider Topics in Health Informatics</i>	M							
<i>HIA 650 Advanced Topics in Biomedical Informatics</i>	M							
<i>HIA 690 Health Informatics and Analytics Capstone</i>	M							

I (Introduced), R (Reinforced), or M (Mastered).

ANNUAL ASSESSMENT PLAN FINDINGS					
PLO 1 - Apply principles of leadership in the development of strategic goals, achieving organizational outcomes, and modeling professional values.					
MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS OBSERVED	ASSESSMENT RESULTS: PERCENTAGE OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	ASSESSMENT RESULTS: 1. EXCEEDS THE ACCEPTABLE TARGET 2. MEETS THE ACCEPTABLE TARGET 3. DOES NOT MEET THE ACCEPTABLE TARGET 4. INSUFFICIENT DATA
Direct Measure 1: HIA 690 Week 6 Final Assignment	80% or more MS Health Informatics & Analytics student records must be at the "Proficient" or "Distinguished" level on the evaluation of the content criteria mapped to this PLO.	463	480	96.5%	EXCEEDS THE ACCEPTABLE TARGET

Direct Measure 2: HIA 608 Week 6 Assignment	80% or more MS Health Informatics & Analytics student records must be at the “Proficient” or “Distinguished” level on the evaluation of the content criteria mapped to this PLO.	229	240	95.4%	EXCEEDS THE ACCEPTABLE TARGET
PLO 2 - Utilize health care information technology and statistical reasoning in organizational planning and decision making.					
MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS OBSERVED	ASSESSMENT RESULTS: PERCENTAGE OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	ASSESSMENT RESULTS: 1. EXCEEDS THE ACCEPTABLE TARGET 2. MEETS THE ACCEPTABLE TARGET 3. DOES NOT MEET THE ACCEPTABLE TARGET 4. INSUFFICIENT DATA
Direct Measure 1: HIA 690 Week 6 Final Paper	80% or more MS Health Informatics & Analytic student records must be at the “Proficient” or “Distinguished” level on the evaluation of the content criteria mapped to this PLO.	425	440	96.6%	EXCEEDS THE ACCEPTABLE TARGET
Direct Measure 2: HIA 610 Week 6 Final Assignment	80% or more MS Health Inforamtics & Analytic student records must be at the “Proficient” or “Distinguished” level on the evaluation of the content criteria mapped to this PLO.	66	68	97.1%	EXCEEDS THE ACCEPTABLE TARGET

Direct Measure 3: HIA625 Week 6 Final Assignment	80% or more MS Health Informatics & Analytic student records must be at the “Proficient” or “Distinguished” level on the evaluation of the content criteria mapped to this PLO.	350	396	88.4%	EXCEEDS THE ACCEPTABLE TARGET
PLO 3 - Evaluate health care outcomes using quality improvement and risk standards.					
MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS OBSERVED	ASSESSMENT RESULTS: PERCENTAGE OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	ASSESSMENT RESULTS: 1. EXCEEDS THE ACCEPTABLE TARGET 2. MEETS THE ACCEPTABLE TARGET 3. DOES NOT MEET THE ACCEPTABLE TARGET 4. INSUFFICIENT DATA
Direct Measure 1: HIA 690 Week 6 Assignment	80% or more MS Health Informatics & Analytic student records must be at the “Proficient” or “Distinguished” level on the evaluation of the content criteria mapped to this PLO.	78	80	97.5%	EXCEEDS THE ACCEPTABLE TARGET
Direct Measure 2: HIA 612 Week 6 Final Assignment 2	80% or more MS Health Informatic & Analytic student records must be at the “Proficient” or “Distinguished” level on the evaluation of the content criteria mapped to this PLO.	424	520	81.5%	EXCEEDS THE ACCEPTABLE TARGET
PLO 4 - Apply problem-solving approaches in the resolution of health care issues and digital management of health care information.					

MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS OBSERVED	ASSESSMENT RESULTS: PERCENTAGE OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	ASSESSMENT RESULTS: 1. EXCEEDS THE ACCEPTABLE TARGET 2. MEETS THE ACCEPTABLE TARGET 3. DOES NOT MEET THE ACCEPTABLE TARGET 4. INSUFFICIENT DATA
Direct Measure 1: HIA 690 Week 6 Final Paper	80% or more MS Health Informatic & Analytic student records must be at the “Proficient” or “Distinguished” level on the evaluation of the content criteria mapped to this PLO.	425	440	96.6%	EXCEEDS THE ACCEPTABLE TARGET
Direct Measure 2: HIA 615 Week 6 Final Assignment	80% or more MS Health Informatic & Analytic student records must be at the “Proficient” or “Distinguished” level on the evaluation of the content criteria mapped to this PLO.	294	320	91.9%	EXCEEDS THE ACCEPTABLE TARGET
PLO 5 - Analyze data to improve clinical practices, organizational priorities, risk analytics, metrics, and trends.					
MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING	TOTAL NUMBER OF STUDENT	ASSESSMENT RESULTS: PERCENTAGE OF STUDENT RECORDS	ASSESSMENT RESULTS: 1. EXCEEDS THE ACCEPTABLE TARGET

		ACCEPTABLE TARGET	RECORDS OBSERVED	MEETING ACCEPTABLE TARGET	2. MEETS THE ACCEPTABLE TARGET 3. DOES NOT MEET THE ACCEPTABLE TARGET 4. INSUFFICIENT DATA
Direct Measure 1: HIA 690 Week 6 Final Assignment	80% or more MS Health Informatic & Analytic student records must be at the "Proficient" or "Distinguished" level on the evaluation of the content criteria mapped to this PLO.	153	160	95.6%	EXCEEDS THE ACCEPTABLE TARGET
Direct Measure 2: HIA 620 Week 6 Final Assignment	80% or more MS Health Informatic & Analytic student records must be at the "Proficient" or "Distinguished" level on the evaluation of the content criteria mapped to this PLO.	80	82	97.6%	EXCEEDS THE ACCEPTABLE TARGET
Direct Measure 3: HIA640 Week 6 Journal	80% or more MS Health Informatic & Analytic student records must be at the "Proficient" or "Distinguished" level on the evaluation of the content criteria mapped to this PLO.	55	61	90.2%	EXCEEDS THE ACCEPTABLE TARGET
PLO 6 - Propose the design, delivery, and improvement of software applications, training programs, and related courseware.					
MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS OBSERVED	ASSESSMENT RESULTS: PERCENTAGE OF STUDENT RECORDS MEETING	ASSESSMENT RESULTS: 1. EXCEEDS THE ACCEPTABLE TARGET

				ACCEPTABLE TARGET	2. MEETS THE ACCEPTABLE TARGET 3. DOES NOT MEET THE ACCEPTABLE TARGET 4. INSUFFICIENT DATA
Direct Measure 1: HIA 690 Week 6 Final Assignment	80% or more MS Health Informatic & Analytic student records must be at the "Proficient" or "Distinguished" level on the evaluation of the content criteria mapped to this PLO.	463	480	96.5%	EXCEEDS THE ACCEPTABLE TARGET
Direct Measure 2: HIA 650 Week 6 Final Assignment	80% or more MS Health Informatic & Analytic student records must be at the "Proficient" or "Distinguished" level on the evaluation of the content criteria mapped to this PLO.	94	96	97.9%	EXCEEDS THE ACCEPTABLE TARGET
PLO 7 - Evaluate policies and procedures protecting confidential patient information in accordance with federal and state regulations.					
MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS OBSERVED	ASSESSMENT RESULTS: PERCENTAGE OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	ASSESSMENT RESULTS: 1. EXCEEDS THE ACCEPTABLE TARGET 2. MEETS THE ACCEPTABLE TARGET 3. DOES NOT MEET THE ACCEPTABLE TARGET 4. INSUFFICIENT DATA

Direct Measure 1: HIA 690 Week 6 Final Assignment	80% or more MS Health Informatic & Analytic student records must be at the “Proficient” or “Distinguished” level on the evaluation of the content criteria mapped to this PLO.	347	360	96.4%	EXCEEDS THE ACCEPTABLE TARGET
Direct Measure 2: HIA 615 Week 6 Final Assignment	80% or more MS Health Informatic & Analytic student records must be at the “Proficient” or “Distinguished” level on the evaluation of the content criteria mapped to this PLO.	258	280	92.1%	EXCEEDS THE ACCEPTABLE TARGET
PLO 8 - Develop strategic initiatives for information management systems and regulatory policies.					
MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS OBSERVED	ASSESSMENT RESULTS: PERCENTAGE OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	ASSESSMENT RESULTS: 1. EXCEEDS THE ACCEPTABLE TARGET 2. MEETS THE ACCEPTABLE TARGET 3. DOES NOT MEET THE ACCEPTABLE TARGET 4. INSUFFICIENT DATA
Direct Measure 1: HIA 690 Week 6 Final Assignment	80% or more MS Health Informatic & Analytic student records must be at the “Proficient” or “Distinguished” level on the evaluation of the content criteria mapped to this PLO.	153	160	95.6%	EXCEEDS THE ACCEPTABLE TARGET
Direct Measure 2:	80% or more MS Health Informatic & Analytic student records must be at the	55	61	90.2%	EXCEEDS THE ACCEPTABLE TARGET

HIA 640 Week 6 Journal	“Proficient” or “Distinguished” level on the evaluation of the content criteria mapped to this PLO.				
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OVERALL RECOMMENDATIONS

Overall, it is recommended that the Program Chair for the Master of Science in Health Informatics and Analytics review the assessment plans (including measures used, alignment mapping, and targets set) and Curriculum Map in preparation for the 2023-2024 assessment cycle. This will determine the appropriateness of the assignments and mapping for each PLO.

ANNUAL ASSESSMENT PLAN ACTION ITEM STATUS REPORT

OUTCOME	MEASURE	KEY/RESPONSIBLE PERSONNEL	STATUS	ANTICIPATED DATE OF COMPLETION
PLOs 1, 7, 8	Revising remaining courses to align with HIMSS/AMIA domains	Program Chair, Associate Faculty, Associate Dean	In progress - Currently only partial courses have been updated	2024
Action Details	Meeting the criteria for HIMSS/AMIA domains alignment			
OUTCOME	MEASURE	KEY/RESPONSIBLE PERSONNEL	STATUS	ANTICIPATED DATE OF COMPLETION
PLO 2	Increase student retention and higher IQRs for 2024-2025	Program Chair, Associate Faculty, Associate Dean	In progress - Instructor IQRs are being completed and training conducted	2024
Action Details	Creating additional resources develop associate faculty engagement to improve IQRs and increase retention			