MS HEALTH INFORMATICS & ANALYTICS ANNUAL ASSESSMENT PLAN & FINDINGS
2021-2022 ACADEMIC YEAR

2021 – 2022 CURRICULUM MAP

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

Course								
HIA 640 Provider Topics in Health Informatics	M	M	M	M	M	M	M	M
HIA 650 Advanced Topics in Biomedical Informatics	M	M	M	M	M	M	M	M
HIA 690 Health Informatics and Analytics Capstone	M	M	M	M	M	M	M	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	70% or more MS Health Informatics & Analystics student records must be at the "Proficient" or "Distinguished" level on the evaluation of the content criteria mapped to this PLO.	419	444	94.4%	**EXCEEDS THE ACCEPTABLE TARGET**

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 2: HIA 608 Week 6 Assignment	70% 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.	248	250	99.2%	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	70% 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.	385	407	94.5%	EXCEEDS THE ACCEPTABLE TARGET
Direct Measure 2: HIA 610 Week 6 Final Assignment	70% 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.	162	180	90.0%	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	70% 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.	71	74	95.9%	EXCEEDS THE ACCEPTABLE TARGET
Direct Measure 2: HIA 612 Week 6 Final Assignment 2	70% 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	429	98.8%	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	ASSESSMENT RESULTS: 1. EXCEEDS THE ACCEPTABLE TARGET

				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 Paper	70% 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.	385	407	94.6%	**EXCEEDS THE ACCEPTABLE TARGET**
Direct Measure 2: HIA 615 Week 6 Final Assignment	70% 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.	291	299	97.3%	**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 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	70% 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.	139	148	93.9%	EXCEEDS THE ACCEPTABLE TARGET
Direct Measure 2: HIA 620 Week 6 Final Assignment	70% 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.	76	80	95.0%	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 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	70% 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.	419	444	94.4%	EXCEEDS THE ACCEPTABLE TARGET

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 2: HIA 650 Week 6 Final Assignment	70% 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.	67	69	97.1%	**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	70% 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.	314	333	94.2%	**EXCEEDS THE ACCEPTABLE TARGET**
Direct Measure 2: HIA 615 Week 6 Final Assignment	70% 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.	254	261	97.3%	**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	70% 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.	139	148	93.9%	**EXCEEDS THE ACCEPTABLE TARGET**
Direct Measure 2: HIA 640 Week 6 Journal	70% 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.	72	76	94.7%	**EXCEEDS THE ACCEPTABLE TARGET**
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 2022-2023 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
All PLO's	Change Acceptible target from 70% to 80% or higher. **Rationale**: Students must maintain 3.0 in graduate level programs	Brandy Gustavus	In process	22-23 AY
Action Details	Work with Assessment team to revise 22-23 AY measure from 70% to 80% for an acceptable target for data collection on all PLO measures.			
OUTCOME	MEASURE	KEY/RESPONSIBLE PERSONNEL	STATUS	ANTICIPATED DATE OF COMPLETION
PLO 2	Add HIA 625 Week 6 Final Assignment	Brandy Gustavus	In process/Incomplete	22-23 AY
Action Details	Submit to assessment team to add assignment to PLO measure to assess upcoming 22-23 AY.			
OUTCOME	MEASURE	KEY/RESPONSIBLE PERSONNEL	STATUS	ANTICIPATED DATE OF COMPLETION
PLO 5	Add HIA 640 Week 6 Final Presentation	Brandy Gustavus	In process/Incomplete	22-23 AY
Action Details	Submit to assessment team to add assignment to PLO measure to assess upcoming 22-23 AY.			