

## Department/Program Assessment Plan

Department/Program: Natural Sciences

Contact Person: Dan Casmier

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### 1. Program Maps

Please include below or attach a curriculum map linking program outcomes to courses. Also include a map indicating where in the program College Learning Outcomes and High Impact Practices are addressed.

#### Curriculum Map

Courses	NS Core 1: Identify and solve problems using methods of the discipline	NS Core 2: Use logical skills to make judgments	NS Core 3: Demonstrate thinking, comprehension, and expression of subject matter	NS Core 4: Communicate effectively using scientific terminology	NS Core 5: Use quantitative skills to solve problems	NS Core 6: Integrate through analysis	NS Core 7: Demonstrate the relationship between actions and consequences	NS Core 8: Discuss the role of science in the development of modern technological civilization
CHMY 101	B		X	B	B		I	B
CHMY 121	B	I	X	I	I	B	I	
CHMY 123	B		X		I			
CHMY 141	B		I		I			
CHMY 143		R	R		R			
GEO 101			B	B				
PHSX 105			B		I		I	
PHSX 205			I		I			
PHSX 220	I				I			

B= student ability to demonstrate the learning outcome is considered basic

I = student ability to demonstrate the learning outcome is considered introductory

R = student ability to demonstrate the learning outcome is reinforced, based on previous learning experiences

P= student ability to demonstrate the learning outcome is considered proficient

**CLO/HIPs alignment**

Course	CLOs			HIPs										
	Critical Thinking	Comm.	Prof.	FYS	CIE	LC	WIC	CAP	UR	DGL	eP	SL	IN	CCP
CHMY 101	X													
CHMY 121	X													
CHMY 123	X							X						
CHMY 141	X													X
CHMY 143	X													X
GEO 101	X													
PHSX 105	X													
PHSX 205	X							X						
PHSX 220	X							X						

CLOs: Critical Thinking                      Communication                      Professionalism

HIPs: First-Year Seminars/Experiences (FYS)    Common Intellectual Experiences (CIE)    Learning Community (LC)    Writing-Intensive Courses (WIC)    Collaborative Assignments/Projects (CAP)    Undergraduate Research (UR)    Diversity/Global Learning (DGL)    ePortfolios (eP)    Service Learning (SL) Internships (IN)    Capstone Courses/Projects (CCP)

**2. Assessment Plan and Schedule**

**Please provide a multi-year schedule indicating when program outcome assessment will be reported and what classes will be used to assess program outcomes. The assessment cycle should be 5 years or less.**

\*Programs with external accreditation should follow the assessment timeline and requirements of their accrediting body. Please share your assessment schedule (if applicable) below. Otherwise, please give a detailed response to item 3.

Course(s) Assessed	Year Reported	Program Outcomes
CHMY 101	Triennial, starting 2021	NS Core 1, 3, 4, 5, 7, 8
CHMY 121	Biennial, starting 2020	NS Core 1, 2, 3, 4, ,5 ,6, 7
CHMY 123	Biennial, starting 2021	NS Core 1, 3, 5
CHMY 141	Triennial, starting 2020	NS Core 1, 3, 5
CHMY 143	Triennial, starting 2021	NS Core 2, 3, 5

GEO 101	Triennial, starting 2021	NS Core 3, 4
PHSX 105	Triennial, starting 2020	NS Core 3, 5, 7
PHSX 205	Triennial, starting 2021	NS Core 3, 5
PHSX 220	Triennial, starting 2020	NS Core 1, 5

### 3. Assessment Process

**Individual faculty will be asked to follow the assessment plan and schedule as indicated above. Faculty will be expected to complete reflections for the courses indicated. Please note here 1) when reflections will be completed (e.g., end of block, end of semester, fall, spring, summer, etc.), and 2) any additional assessment processes your department/program will follow.**

Reflections to be completed at the end of one of the semester segments (spring/summer/or fall) during the specified year

### 4. College Learning Outcomes Assessment

**Please indicate here if CLOs will be assessed using any departmental/programmatic assessments or if they will be assessed by individual faculty using a tool of their choice.** If different assessment methods will be used for each CLO, please specify which CLO(s) will be assessed departmentally or through individual faculty assessments.

Department/Program Assessment \_\_\_\_\_

What is the tool or assessment?

Individual Faculty Assessment  \_\_\_\_\_

### 5. Opportunities for Change

**Please indicate here any opportunities for change on which your department/program plans to work during the assessment cycle and how those changes will be assessed. Examples might include improving pass rates in a course, creating departmental assessments, etc.**

Goals will include the use of individual course assessments to receive feedback with the aim of improving the delivery of course content

Please return this completed form to Mandy Wright at [assessment@gfcmsu.edu](mailto:assessment@gfcmsu.edu).