

Please make any changes to the department’s purpose statement, goals, or assessment cycle chart. Remember each SLO must be assessed between program review cycles.

Natural Science Purpose Statement:

The Department of Natural Science provides:

- A career-oriented approach to pre-professional preparation in the health sciences
- A liberal arts and sciences approach to environmental health and sustainability
- A hands-on approach to education in the laboratory and through student research
- Preparation to meet the Kansas State Department of Education standards for licensure in biology and chemistry

Program Student Learning Outcomes	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2023-2024
A career-oriented approach to pre-professional preparation in the health sciences	Program Review	Assessment Planning		X			Program Review-Spring	X					Program Review-Spring
A liberal arts and sciences approach to environmental health and sustainability				X					X				
A hands-on approach to education in the laboratory and through student research				X						X			

Preparation to meet the Kansas State Department of Education standards for licensure in biology and chemistry				X							X		
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Environmental Stewardship Major:

This program achieves its purposes when its graduates:

Program Student Learning Outcomes	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2023-2024
Demonstrate knowledge of contemporary theories in the natural sciences	Program Review	Assessment Planning	X				Program Review-Spring					X	Program Review-Spring
Demonstrate skill in the application of laboratory and field experimental techniques			X							X			
Demonstrate knowledge of contemporary theories of human social systems and behavior			X							X			
Demonstrate a critical understanding of their personal roles in history, culture, and community			X							X			

Evaluate the impacts of human society and Earth's natural systems on one another			X					X					
Differentiate between their personal belief system and societal belief systems			X						X				
Express a personal environmental ethic			X							X			

1. Select Your Department	Natural Science
2. Has the program's purpose, SLOs, or program review year changed from the above document?	No
Upload the edited Purpose/SLO doc here.	
3. Will/did the department submit a program review this year? If yes, please attach the final review as a pdf document.	Yes
Upload program review pdf.	app.captainform.com/upload_dld.php?fileid=1c82e4ca0cf2d1e789ccdd1fc4938368
1. Please select the type of direct evidence of student learning that was gathered THIS YEAR.	
-Artistic exhibition/performance	no
-Assignment/exam paper completed as part of regular coursework and used for program-level assessment	no
-Capstone work product (e.g. written paper, presentation, research)	no
-Exam created by department or external agency	no
-Exit exam created by the program	no
-Oral performance (e.g. oral presentation, conference presentation)	no
-Portfolio of student work	no
-Supervisor or employer evaluation of student performance outside the classroom (internship, field experience, practicum, student teaching)	no
Please describe any other direct evidence gathered this year	
2. Please select the type of indirect evidence of student learning that was gathered THIS YEAR.	
-Interviews or focus groups that contain self-reports of SLO achievement	no
-Employer meetings/discussions/survey interview of student SLO achievement	no
-Student reflective writing assignment (essay, journal entry, self-assessment) on their SLO achievement	no
-Alumni survey that contains self-reports of SLO achievement	no
-Student surveys (course evaluation additional questions, program created, from institutional student survey data) contain reports of SLO achievement	no
Please describe any other indirect evidence gathered this year:	
3. Please select how the evidence was evaluated, analyzed, or interpreted.	
-Used a rubric/scoring guide	no
-Scored exams/quizzes	no
-Used qualitative methods on interview, focus group, open-ended response data	no
-External organization/person analyzed the data (e.g. external accrediting/licensure organizations, standardized exam company)	no
-Compiled survey results	no
Please describe any other methods not listed:	
4. Enter the number of students assessed for each SLO.	
5. Summarize the results of the assessment activities checked in questions 4,5 and 6. Include the percentaghe of students that met or exceeded each SLO.	[%5. Summarize the results of the assessment activities checked in questions 4,5 and 6. Include the percentaghe of students that met or exceeded each SLO.%]
6. Please upload any supporting documentation (i.e. rubrics, data analysis, charts/tables, department minutes, etc.)	
7. What describes how the program plans to use the results?	
-Assessment procedure changes (SLOs, curriculum map rubrics, evidence collected, sampling, communications with faculty, etc.)	no
-Course changes (course content, pedagogy, courses offered, new course, pre-requisites, requirements)	no
-Personnel or resource allocation changes	no
-Student's out-of-course experience changes (advising, co-curricular experiences, program website, program purpose or SLOs)	no
-Results indicated no action needed because students met expectations	no

-Use is pending (typical reasons: insufficient number of students in population, evidence not evaluated or interpreted yet, faculty discussions continue)	no
Please describe any other uses not listed:	
1. The department will submit a program review NEXT YEAR.	No
2. SLO(s) the department will assess NEXT YEAR is/are:	Graduates will have demonstrated the ability to communicate scientific information in both written and oral form
3. Please select the type of direct evidence of student learning the department plans to use NEXT YEAR.	
-Capstone work product (e.g. written paper, presentation, research)	yes
4. Please select the type of indirect evidence of student learning that was gathered NEXT YEAR.	
-Interviews or focus groups that contain self-reports of SLO achievement	no
-Employer meetings/discussions/survey interview of student SLO achievement	no
-Student reflective writing assignment (essay, journal entry, self-assessment) on their SLO achievement	no
-Alumni survey that contains self-reports of SLO achievement	no
-Student surveys (course evaluation additional questions, program created, from institutional student survey data) contain reports of SLO achievement	no
Please describe any other indirect evidence planned for next year:	Course grades from NS300, NS375, and NS475 in 2017-18
5. Based on previous assessment data, what percentage of students does the department expect to meet or exceed the SLO(s)?	90
6. Is the department interested in learning how to apply for an assessment grant?	No