1. Program Information:

Name of Department/Program: Mathematics Academic year: 2011-12

Contact person: Brad Thiessen

List program faculty/staff and identify the contribution each individual made to this report: (press return/enter after entering each name or contribution)

Thomas Anderson

Developed assessment methods and recommended schedule

Developed assessment methods and recommended schedule

Tim Gillespie, Visiting Will contribute assessment results (General Education and major courses)

Kathy Potter Completed QUANT 131 assessment section

Hernando Tellez, Visiting Developed assessment methods and recommended schedule

Brad Thiessen Completed form; revised SLOs

2. Program Assessment:

Academ						fasses	sment	
:	Student Learning Outcomes A	Assessment Tools/Methods	'11-12	'12-13	'13-14	'14-15	'15-16	Assessment Results (due 7/1/2012)
	1. Demonstrate a breadth and depth of knowledge appropriate for a bachelor's degree in mathematics. The property of the prop	1. Major Field Test in Mathematics (administered in MATH 395) 2. Course exams will be reviewed by the Department to ensure they align with course outcomes and standards.	\boxtimes		×		\boxtimes	Results and brief explanation/discussion
	solving routine, non-routine, and applied problems, using appropriate resources	We're not sure. The Major Field Test will provide some information about this. We may need to get instructor ratings based on student performance in class.					\boxtimes	Results and brief explanation/discussion
	3. Learn mathematic independently by locating and assimilating technical material.	1. Textbook assignments completed independently in MATH 395 (rated on common rubric). 2. Final project presentations in MATH 395 (rated by peers and instructor on common rubric)	\boxtimes					Results and brief explanation/discussion

4.	Communicate mathematical ideas using proper terms and symbols.	 Proofs written in WI-MATH and WI-MATH 380. Instructor ratings from MATH (based on written assignments and exams) 				Results and brief explanation/discussion
5.	Write concise and rigorous mathematical proofs	 Proofs written in WI-MATH Proofs written in WI-MATH Proofs written in WI-MATH 				Results and brief explanation/discussion
6.	Appreciate the career and educational opportunities for mathematics majors	 Faculty ratings based on advising meetings We may be able to get information from the University Alumni Survey. 		\boxtimes		Results and brief explanation/discussion
7.	Critically consume and apply research and local/state/national standards in mathematics education to plan, deliver, and evaluate effective instruction.	 Instructor and peer ratings of simulated teaching experiences in MATH 340 (rated on common rubric). Research review papers written in MATH 340 (rated on common rubric). Student and instructor evaluations of performance in MATH 399. 	×		_	Results and brief explanation/discussion

Annual Program Assessment Evaluation

Thank you for participating in the pilot of our annual assessment process. As a reminder, this annual assessment process, including the forms each department submitted in September, were intended to:

- 1) Assist programs in documenting student learning outcomes and ongoing assessment activities.
- 2) Inform programs of our institutional assessment expectations
- 3) Allow programs to receive more timely feedback to improve their assessment activities

Because these annual assessment forms demonstrate a program's commitment to effective, ongoing assessment, programs will be allowed to submit a collection of these forms to fulfill EPC Program Review assessment requirements.

After receiving forms from each program, members of the Assessment Committee evaluated the forms according to a standard rubric. Four members of the Committee evaluated each program's form and provided feedback (yielding 125 total evaluations). The Committee then met again to synthesize the evaluations into the attached summary forms for each program.

As you look at your program's evaluation summary, you'll notice that the Assessment Committee evaluated 5 components:

- 1) Program information and participation with the assessment process
- 2) Quality of program student learning outcomes
- 3) Number of instruments/measures used to assess each student learning outcome
- 4) Quality of instruments/measures used to assess each student learning outcome
- 5) Schedule of assessment (to ensure all outcomes are assessed over a 5-year period)

The 5 components were evaluated according to the attached rubric. Because we wanted a clean evaluation of programmatic assessment activities -- and because we did not want programs to feel pressured into quickly changing their assessment plans -- we did not share this rubric before collecting the forms. Now that you've received the rubric and your evaluation summary, it may make sense to:

- 1) Review your program's scores to determine if you're currently meeting institutional expectations in each component
- 2) Review the rubric for a more detailed explanation of expectations for each assessment component
- 3) Review the comments for suggestions to improve your programmatic assessment activities

You can also review the summary evaluation of all SAU programs if you're interested in determining how your program's assessment activities compare to other programs at SAU. These comparisons are not as important as working towards meeting all institutional expectations prior to your next program review. If you would like assistance in improving your programmatic assessment activities, please contact any member of the Assessment Committee.

Next Steps: By July 1, you will be expected to provide results from the assessment of any SLOs that were scheduled for 2011-12.

Members of the Neil Aschliman, Biology

Assessment Committee: Les Bell, Art

Bud Grant, Theology Michael Hustedde, English

Jason Richter, Student Engagement

Art Serianz, Chemistry Brad Thiessen, Assessment Katie Trujillo, Psychology

Attachments: 1) An evaluation of your programmatic assessment, including brief feedback

2) A summary evaluation of all programs at SAU

3) The rubric used to evaluate the annual assessment forms

Program:	PROGRAM NAME	Spring 2012	evaluation

	- (se	ee rubric for sc				
	0	1	2	3	Points	
1. Program information, including a list of contributions, is provided.	=======		====X		2/2	Meets expectations
2. Program SLOs are clear and student-focused.	=======	:====X			1/3	Approaches expectations
3. At least one direct measure is identified to assess each SLO.	=======	========	====X		2/3	Meets expectations
4. The program uses high-quality measures to assess each SLO.	=======	:====X			1/3	Approaches expectations
5. SLOs are assessed on a 5-year schedule	====X				0/2	Below expectations
6. The program provides a brief discussion of results to determine the degree to which SLOs were met.					N/A	(Will be due in July)
				Total Score:	6/12	

Notes: Your program assessment scored 6 out of 12 points possible and met expectations in 2 of the 5 components.

The comments pasted below and attached rubric can guide you towards meeting all institutional assessment expectations Please contact any member of the Assessment Committee for further assistance

By July, you will be expected to provide results from the assessment of SLOs that were scheduled for 2011-12

How will the program evaluate/ensure the quality of the assessments used within each course? Will common rubrics

Comments: be used to evaluate essays/discussions? How will data from these assessments be collected, synthesized, and reported? Will multiple faculty review the assignments, exams, and case studies within each course?

"SLOs should be explicitly student-focused (""Students will apply..."").

SLO #7 is an activity, not an outcome: ""dialogue with..."".

Typo in SLO #2: ""rsearch."""

No evidence of use of multiple raters, standard rubric, external sources of evaluation, etc.

SLO #4 is not scheduled to be assessed.

The SLOs are written more as processes than outcomes

Program:	Summary	of all SAU	programs

	Number of programs				% meeting	Average
	0	1	2	3	expectations	Score
1. Program information, including a list of contributions, is provided.	9	3	19		61%	1.32
2. Program SLOs are clear and student-focused.	5	14	12		39%	1.23
3. At least one direct measure is identified to assess each SLO.	4	7	18	2	65%	1.58
4. The program uses high-quality measures to assess each SLO.	4	20	7		23%	1.10
5. SLOs are assessed on a 5-year schedule	7	24			77%	0.77
6. The program provides a brief discussion of results to determine the degree to which SLOs were met.					N/A	N/A

Average Total Score: 6.00

Comments: 31 programs/departments submitted annual assessment forms

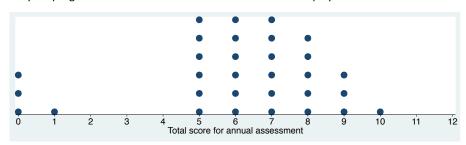
5 programs submitted annual accreditation reports

Members of the Assessment Committee provided 125 evaluations (at least 4 per program)

4 programs met or exceeded expectations in all 5 categories

4 programs failed to meet expectations in all 5 categories (2 of these programs submitted forms too late)

You can locate your program's score in the distribution of total scores displayed below:



Component	Rating Scale (in terms of expectations)	Comments
Program Information.	0 = Below (some information is missing)	
Program information, including list of contributions,	1 = Approaches (all information is provided)	
is provided	2 = Meets (all info is provided; multiple faculty contributed)	
SLOs. Program student	0 = Below (outcomes are not student-focused and/or vague; outcomes are actually processes/activities; SLOs not focused on learning)	Example: Given a description of a student with a particular disability, students identify at least 3 ways to differentiate instruction.
learning outcomes are clear and student-focused (stated in terms of what students	1 = Approaches (some outcomes are student-focused and clear)	Non-example: Students will be taught methods of differentiated instruction (not student-focused)
should be able to know, think, or do as a result of program activities)	2 = Meets (all outcomes are student-focused and clear)	Non-example: Students will participate in (process; not outcome)
activities	3 = Exceeds (SLOs specify conditions under which students will demonstrate the behavior and criteria for success)	Non-example: Students will understand differentiated instruction (too vague)
	0 = Below (no direct measures are identified for any SLOs)	Direct assessments are analyses of actual student behaviors or products. Examples: analyses of written tests, essays, portfolios,
Number of measures. At least one direct measure is	1 = Approaches (measures are identified for all SLOs; some SLOs are only assessed indirectly)	products. Examples, analyses of written tests, essays, portionos, presentations, performances, and simulations
identified to assess each SLO	2 = Meets (measures are identified for all SLOs; all SLOs are assessed directly)	Indirect assessments are analyses of reported perceptions about student performance. Typically, indirect measures indicate rather
	3 = Exceeds (at least two measures are identified for each SLO; all SLOs are assessed directly)	than provide evidence of actual student achievement. Examples: surveys, interviews, focus groups
	0 = Below (no evidence of quality is provided; measures appear to be low-quality; measures do not appear to align with SLOs)	Example: 0 = SLO was assessed by asking students about their writing skills.
Quality of measures. The	1 = Approaches (no evidence of quality is provided; measures appear to align with SLOs)	Example: 1 = Course instructor rated student essays for clarity and organization
program uses high- quality measures to assess each SLO	2 = Meets (evidence of quality is provided or the program has a plan to collect such evidence; measures appear to align with SLOs; measures use multiple raters when appropriate; rubric)	Example: 2 = Two faculty members rated student essays using departmental rubric.
	3 = Exceeds (evidence of quality is provided or identified; measures are high-quality)	Example: 3 = Two faculty members rated student essays using a rubric provided by a national organization.
Schedule. All SLOs will be	0 = Below (not all SLOs are scheduled to be assessed over 5 years)	
assessed over 5 years	1 = Meets (all SLOs will be assessed in 5 years; at least one SLO is assessed each year))	
	0 = Below (results were not provided for the SLOs to be assessed)	
Results. The program provides a brief discussion of	1 = Approaches (results were provided, but explanation/discussion is lacking)	
results to determine the degree to which SLOs were	2 = Meets (results, including participation rates, were provided; the degree to which SLOs were accomplished is discussed)	
met	3 = Exceeds (SLOs specify conditions under which students will demonstrate the behavior and criteria for success)	