

Instructions to complete the EVC Course Level SLO Assessment Matrix

Course:

Each course offered should have one of these forms completed. If there are multiple sections of the same course, please collaborate with colleagues to identify the same assessment tool and complete one form for the course (representing all of the sections). For example, if 5 sections are offered of ACCTG 020, identify an assessment tool to utilize in all sections or sub-set of sections and complete one form summarizing the results.

Student Learning Outcomes:

Please type all the student learning outcomes that are on the ACCC Course Outline. If there are greater than 5 outcomes, fill out additional pages as needed. Not all the SLOs have to be assessed at one time; however, they need to be placed on an assessment timeline so that they will be assessed at least within a 6-year cycle for academic courses and 2-years for Career Technical Education Courses (based on program review requirements). If you currently have an assessment tool that measures all SLOs, it may also be utilized.

Assessment Tool:

Please list the assessment tool that will be used to measure a specific SLO or multiple SLOs. Be as specific as possible, i.e. Laboratory assignment vs. assignment. When possible, please attach a sample of the assignment or grading rubric. This should be a blank sample, not including any student information.

It is necessary to only identify the assessment tool for the SLO that is currently being assessed. However, if other assessments are already identified and will be used to measure an SLO at an alternate time, it may also be listed.

Evaluation Timeline:

Please indicate when the SLO will be assessed. This indication needs to be noted for the current SLO(s) being assessed as well as when the remaining SLOs will be assessed. At a minimum, all SLOs need to be assessed within a 6-year cycle for academic courses and a 2-year cycle for Career Technical Education courses (based on program review requirements).

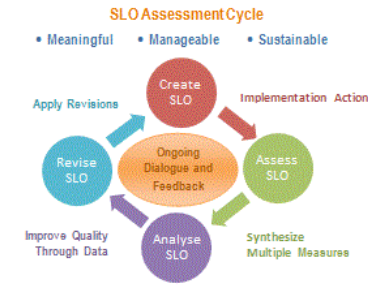
Assessment Results:

Please summarize the data they has been collected, including how the data was collected and the number or students reviewed. If the course has many sections, it may be determined to randomly select student work to review. Indicate themes noted in success of the SLO and identify any areas to improve learning.

Analysis/Action Plan and Timeline:

As a result of the data analysis, indicate changes to be made to instruction and/or the SLO. Identify when the changes will be made.

Upon completion of the Course SLO Assessment Matrix, use the email link at the bottom of the document to send a copy to the SLO Coordinator. In the email, please `cc your division dean, any other faculty teaching the course and yourself. You can also print and save the document for your records.



Course Level SLO and Assessment Matrix

Course: Math 62

	Student Learning Outcomes (SLOs) As listed on EVC ACCC Course Outline <i>"On completion of this course, the student will..."</i>	Assessment Tool List the tools to assess each SLO (such as rubrics, projects, assignment, survey, etc.)	Evaluation Timeline When will the SLO be assessed?	Assessment Results Summarize collected data including how data were collected and number of students.	Analysis/Action Plan and Timeline What, if any, changes will be made to instruction, or the SLO and when?
Add	SLO #1 ILO # 2 Inquiry and Reasoning Calculate limits of various mathematical functions at given points and determine continuity	Final Exam	Fall 2017	Number of students taking SLO #1 Assessment– 75 Number of students scoring 70% or higher-51 68% students scored 70% or higher	Student performance was satisfactory. Will reassess in Spring 2019 to ensure continued student success
Add	SLO #2 Interpret the derivative of a function as an instantaneous rate of change; find the derivatives of polynomial, rational, exponential, and logarithmic functions; use the Product Rule, the Quotient Rule and the Chain Rule to find derivatives; and apply the derivative to find rates of change, tangent line equations, marginal functions in economics, the elasticity of demand, and optimal solutions for problems involving revenue, cost, profit, supply, and demand. ILO # 2 Inquiry and Reasoning	Final Exam	Spring 2018	Number of students taking SLO #2 Assessment – 63 Number of students scoring 70% or higher -55 87% students scored 70% or higher	Student performance was satisfactory. Will reassess in Spring 2019 to ensure continued student success.

	Student Learning Outcomes (SLOs) As listed on EVC ACCC Course Outline "On completion of this course, the student will..."	Assessment Tool List the tools to assess each SLO (such as rubrics, projects, assignment, survey, etc.)	Evaluation Timeline When will the SLO be assessed?	Assessment Results Summarize collected data including how data were collected and number of students.	Analysis/Action Plan and Timeline What, if any, changes will be made to instruction, or the SLO and when?
Add <input type="checkbox"/>	SLO #3 Apply the theory of derivatives to the graphing of functions, using horizontal and vertical asymptotes and intercepts; use the first derivative to determine intervals on which the function is increasing and intervals on which the function is decreasing and maximum and minimum values; and use the second derivative to determine intervals of concavity and points of inflection.	Final Exam	Spring 2018	Number of students taking SLO#3 Assessment – 63 Number of students scoring 70% or higher - 49 78% students scored 70% or higher	Student performance was satisfactory. Will reassess in Fall 2019 to ensure continued student success.
Add <input type="checkbox"/>	SLO #4 Use sigma notation and Riemann sums to find elementary definite integrals, and find definite and indefinite integrals using general integration formulas, integration by substitution, integration by parts, integration using a table of integrals, and other integration techniques; use integration in business and economics applications, using technology, as appropriate.	Final exam	Fall 2018	Number of students taking SLO #4 assessment - 99 Number of students scoring 70% or higher - 72 73% of students taking this assessment scored 70% or higher	Student performance was satisfactory. Will reassess in Fall 2019 to ensure continued student success.
Add <input type="checkbox"/>	SLO #5 For multivariable functions, find partial derivatives of functions, determine relative extrema using the second derivative test, find constrained maxima and minima using the method of Lagrange multipliers, apply double integrals to find the volume of a solid under a surface, and find the average value of $f(x,y)$ over a region R .	Final exam	Fall 2018	Number of students taking SLO #5 assessment - 99 Number of students scoring 70% or higher - 49 49% of students taking this assessment scored 70% or higher	Student performance was unsatisfactory. Recommend instructors make sure there is enough time to cover this material properly. Will reassess in Spring 2020.

	ILO # 2 Inquiry and Reasoning				
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E-mail Form

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* Modified from Bakersfield College; Approved by SLO Sub-committee 3/9/12