ADDRESSING SLO-RELATED QUESTIONS IN PROGRAM REVIEW 2012- INSTRUCTIONAL STANDARDS

(refer to attachment 2 in PR handbook: http://www.miracosta.edu/governance/iprc/downloads/Handbook_v2_final.pdf)

REVIEW AREA: "*PROGRAM PERFORMANCE*" Prompts related to SLO Assessment (from the Program Review handbook):	**Suggestions for preparing the response**	**Where to locate the data**	***Sample data for Program Review Narrative (reflect form- attachment 8 in PR handbook) from Bio Sci dept.***
Were Student Learning Outcome Assessment Cycles (SLO ACs) conducted as specified in the timeline? Indicate the number of SLOs in your program and the number that were assessed in the past year.	Use data collected for assessments that took place between Summer '11-Summer '12: Address both your Course SLO calendar and your Program SLO calendar (if you have PSLO/s) along with indicating if you assessed "off-cycle" (more frequently than stated in the calendar).	Your departmental SLO Calendar (created by you) states the specified timeline. So you will be able to see if the assessment was on schedule or "off-cycle". **Actual data as to what assessments were entered into TracDat as of 9/18/12 is also available in the data table provided in PR Blackboard website. This includes PSLOs**. You will have to physically count the number of CSLOs from the "SLO Name" column of the table.	The Biology department offers 17 BIO courses, each having 3 CSLOs. Between summer 2011 and summer 2012 all SLOs for 41% (n=7) of the BIO courses were assessed: Bio 101L*, 102, 172, 202, 204*, 210*, 220* **4 were off cycle due to recommendations that were implemented since the previous assessment*.
How have the results of completed SLO ACs been used to provide continuous improvement to the operation of the program? (i.e. were any action plans developed based on Course SLO &/or Program SLO assessment data?)	Specifics of any action plan do not need to be stated unless you intend to request resources (equipment/personnel /funding/other) by submitting a "Plan Form" through Program Review process.	TracDat: Action plans which you created may be found in the Reports section of course and program SLO Reports. Click on the Reports tab in TracDat. For a quick reference, you will be able to see if an action plan was entered into TracDat using the data table* provided in the PR Blackboard website (last column – "Action/Recommendation Date")	Minimum achievement levels were met in most courses this past year. For the few that were not met, departmental faculty discussed methods to improve student success in these outcome areas and recommendations will be implemented. Off-cycle assessment will take place between spring semester 2013 and spring semester 2014 for those courses in which minimum achievement levels were not met.

What progress was made with respect to any action plans implemented in prior years that were directed towards improving student success?	Review any previous action plans. If they were implemented by the faculty, and SLOs were assessed again, this is an opportunity to provide feedback.	TracDat "Results" tab. Review your TracDat reports for which any action plans were made and briefly report here on any progress &/or recent assessments performed to determine student improvement.	Due to the fact that 2/3 SLOs were not successfully achieved in Fall of 2010 by students enrolled in the Bio 101L course, assessment was revised in order to improve the clarity of the prompts. Also, a recommendation to provide all BIO faculty with an opportunity to discuss and present how to teach difficult concepts was instituted ("Bio Showcase" workshops). Improvement in the level of achievement was seen in 2 of 3 SLOs in the most recent assessment which indicates that the Bio Showcases and increased awareness of what all instructors should be providing to their students may be having a positive effect on student success. Bio 210 was assessed off-cycle due to the fact that minimum achievement level was previously met in only one SLO. A recommendation to improve coordination of curriculum and to embed SLOs in the curriculum was made after the last assessment. An improvement in student achievement levels have been identified in this assessment cycle which suggests that our remediation methods may be effective in improving student success w.r.t . the CSLOs.
If resources were provided to implement an action plan, how were they utilized and relate any	Identify how resources were used to implement the action plan. If there was not sufficient time to	TracDat Results tab	Resources were not r requested through Program Review in order to implement a previous

follow-up SLO assessment data.	assess the SLOs again, state so, and indicate when they will be assessed (probably off-cycle). If SLOs were assessed after implementation, describe/explain any improvement or lack thereof.		recommendation stating that supervised, open lab time be provided to the Human Anatomy (Bio 210) students. Resources were (& continue to be) derived from the Bio department operational budget. The department continues to support the hiring of student apprentices to facilitate open Anatomy labs. This has improved retention, student success and reduced a financial burden on the TASC which had previously provided more tutorial support and learning communities for anatomy that it currently does.

REVIEW AREA: "*PROGRAM CURRICULUM*" Prompts related to SLO Assessment (from the Program Review handbook):	**Suggestions for preparing the response**	**Where to locate the data**	**Sample data for Program Review Narrative from Bio Sci dept.**
Have student learning outcomes (SLOs) been written for this program? Are the discipline and program SLOs still relevant?	State whether you have written a PSLO / PSLOs for your degree or CoA if you offer them in your area of study. Indicate the number of PSLOs per degree or CoA. If you are a GE discipline that no longer offers an AA degree, you may want state the number of courses that support the Liberal Arts degree(s). You may also want to reference the Liberal Arts	GE disciplines without degrees: the number of courses supporting the Liberal Arts Areas of Emphasis is extracted from the college catalog and may also be found **located on the Program Review Blackboard website****. If you want to access the **Liberal Arts TracDat reports (data)***, they will be**	A specific Program SLO was not written for biology due to the fact that the Bio Sci department eliminated its two AA degrees in 2011. Biology majors at MCC either transfer without earning an AA degree or graduate with Liberal Arts degree (emphasis in Math & Science area). 15/17 courses offered by the Biology department support the Liberal Arts transfer program in Math & Science. GE outcomes emphasized (rated 4 or 5 in the ADM) by the biology courses that contribute to the

	PSLO assessment reports in TracDat, and SLO AC Analysis reports. SLO AC analysis reports will provide you with information on relative ratings of the courses contributing to the degree in Liberal Arts w.r.t. the GE outcomes.	**available in the Blackboard Program Review site.** SLO AC analysis reports are found in the Shared Drive (SLO AC folder→SLO AC Analysis→SLO AC Reports) Also the Mastery Matrices (shared drive: SLO AC folder→ Master Matrices) will provide you with ratings data for each GE or CTE outcome w.r.t. importance (rated 1-5; 5 being most important). The faculty generally place emphasis on outcomes rated 4's and 5's in terms of developing our assessments.	Liberal Arts degree in Math & Sciences are: Critical Thinking (11/15 courses), Effective Communication (5/15), Information Literacy (5/15), and Productive Work Habits (5/15). Global Awareness & Responsible Citizenship (1/15) and Aesthetic Literacy and Appreciation (0/15) are not program outcomes that are emphasized in the Biology courses. Course offerings by the Bio Sci department also support the Liberal Arts degree in Applied Health, Nutrition and Kinesiology(AHNK). 8/17 courses offered in BIO support this area of emphasis. GE outcomes emphasized by the biology courses that contribute to the Liberal Arts degree in AHNK areas follows: Critical Thinking (8/8 courses), Effective Communication (7/8), Information Literacy (2/8), and Productive Work Habits (3/8). Global Awareness & Responsible Citizenship (0/8) and Aesthetic Literacy and Appreciation (0/8) are not program outcomes that are emphasized in the supporting Biology courses.
Were any Course or Program SLOs revised/deleted in the past year based on assessment evaluations or revision of the Course Outline of Record?	If so, you may want to indicate the courses and brief reasons for changing the SLO(s). If you just submitted revisions in fall 2012, do not include in this report.	Your dep'tal. Trac Dat Reports. **Data is also available in the data table* provided in PR Blackboard website**. Look for "archived" SLOs in the "course Outcome Status " column	Sunsetted course: Bio 172L (3 SLOs archived –never assessed); Deleted SLOs of existing courses: SLOs #4 & 5 in both Bio 170 and Bio 172; No SLOs were revised.
Please provide data on the number of SLOs that were written in the previous year or modified/deleted in the prior year	This could be addressed by stating the following: 1. "new-course" SLOs: # 2. SLOs written to replace	Trac Dat Reports. **Data is also available in the data table* provided in PR Blackboard website**. Look for	No new SLOs submitted.

	archived CSLOs: #	"archived" SLOs in the "Outcome Written" column. They will all have a date between September 2011 and August 2012. **	

* "2011-12 Assessment Table for CSLOs & PSLOs"; a partial sample table may be found in this document (p. 6).

** "Liberal Arts Program Depts"

*** "Liberal Arts PSLO TracDat Reports".

NOTES:

1. If you have revised some SLOs but they are not currently updated in TracDat, it is due to the fact that they are still in the process of review by SLO AC and will not appear in TracDat until approved. They will, therefore, show up in the next Program Review cycle (2012-2013).

2. The Liberal Arts PSLOs have been assessed twice in the past year. The PSLOs continue to be relevant; but assessment methods are being refined to obtain more authentic data on LA graduates. The first was an indirect assessment (student survey) of Liberal Arts graduates in the area. In order to improve the authenticity of the LA PSLO assessment, interviews containing open-ended questions were added. Methods of improvement w.r.t. increasing student participation are being studied by the SLO AC which currently administers these PSLOs. Increasing participation of departments whose courses supports the LA degrees is a goal of the SLO AC.

PARTIAL SAMPLE OF "2011-12 Assessment Table for CSLOs & PSLOs"

THIS IS A TABLE OF TRACDAT DATA FROM WHICH YOU MAY BE ABLE TO LOCATE SOME SLO ASSESSMENT INFORMATION FOR PROGRAM REVIEW

Course ID	Course Name	SLO Name	Course Outcome Status	Outcome Written	Result Date	Semester Assessed	Action/Recommendation Date
THIS TABLE WAS GENERATED 9-18-2012. DATA ENTERED INTO TRACDAT AFTER THAT TIME IS NOT SHOWN AND MUST BE OBTAINED FROM TRACDAT							
ACCT 158	Business Mathematics	SLO 1	Active	12/05/2008	01/13/2012	F2011	03/12/2012
ACCT 158	Business Mathematics	SLO 2	Active	12/05/2008	01/13/2012	F2011	03/12/2012
ACCT 158	Business Mathematics	SLO 3	Active	12/05/2008	01/13/2012	F2011	03/12/2012
ACCT 202	Managerial Accounting	SLO 1	Active	12/05/2008	01/13/2012	F2011	03/12/2012
ACCT 202	Managerial Accounting	SLO 2	Active	12/05/2008	01/13/2012	F2011	03/12/2012
ACCT 202	Managerial Accounting	SLO 3	Active	12/05/2008	01/13/2011	F2011	03/12/2012
ACCT Accounting	Accounting AA and COA	PSLO 1	Active	01/01/2012	01/23/2012	F2011	
ADM 100	Introduction to the Administration of Justice	SLO 1	Active	02/29/2008	08/24/2012	S2012	
ADM 100	Introduction to the Administration of Justice	SLO 2	Active	02/29/2008	08/24/2012	S2012	
ADM 100	Introduction to the Administration of Justice	SLO 3	Active	02/29/2008	08/24/2012	S2012	
ADM 100	Introduction to the Administration of Justice	SLO 4	Active	02/29/2008	08/24/2012	S2012	