2009-2010 Instructional Program Review and Planning Supplemental Form

Please complete this form for each priority you identified in the 2008-2009 progress report (review these at PRP Supplemental Report Form). Please list at the end of this form the faculty and staff who participate in this report. Forward (1) a hard copy to Instructional Services and (2) email a Microsoft Word copy to jdecker@palomar.edu no later than 3/05/2010.

Department Chemistry	**Department Priority # 1**	☐ **No funding/resources are being requested**
Program/Discipline: Chemistry	**Program/Discipline Priority # FOR 2010-2011:**	

To establish a priority, use the current Program Review and Planning (PRP) document submitted Spring 2009 (posted at PRP Supplemental Report Form) for this program or discipline. Identify from Box #2 in the PRP a priority for the upcoming academic year or develop a priority based on the data analysis discussed in Box #2.

***2. Data Analysis (restate or summarize the data analysis from the PRP):**
Classes remain full for all course offerings. The required chemical instruments used for laboratory are heavily used.

***3.a/b. Describe your goal (priority) based on data analysis from the PRP:**
Our goal is to continue to meet our SLO of student passage (currently with a high success rate), of the national exam given by the American Chemical Society.

Resources requested: Identify all the resources you are requesting to support the implementation of this priority. These resources would be additional funding needed beyond what is already provided to the discipline through the base resource allocation process.	Describe the resource(s) requested	Cite page(s) that provide rationale for this priority request	Estimated Amount of Funding Requested	New, one-time funding	New, on-going funding
***4.a. Equipment – Per unit cost is ≥$500 (microscopes, table saw, etc.)**	**See attachment**	**3**	**See attachment**		**See attachment**
***4.a. Technology (computers, data projectors, document readers, etc.)**					
***4.b. Budget for 4000s - Per unit cost is ≤$500 (supplies)**					
***4.b. Budget for 5000s – Printing, maintenance agreements, software license, accreditation fees, etc.**	**Maintenance agreements for major chemical instrumentation used in the lab.**	**2009 IRP: page 3, 4f**	**$13,240.91**		**$13,240.91**
***4.c. Facilities**					
***4.d. Faculty position**					
***4.e. Classified staff position (contract)**					
***4.e. Classified staff position (hourly)**					
			TOTAL $13,240.91		

*Numbering parallels sections in original Program Review and Planning document
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How will you evaluate whether or not you have met your goal/priority with the requested resources?
The chemistry students will continue to acquire and develop the skills necessary in order to operate and interpret the results obtained from the laboratory instrumentation.

What evidence will you provide to reflect the impact these resources had on student learning?
The following SLO's will be successfully observed and measured:

SLO #1. Chemistry 221
Successfully plan the synthesis, purification, and characterization of many common aliphatic and aromatic compounds from a theoretical perspective and then carry out the actual techniques in the laboratory.

Program SLOs
1. Apply the scientific method by stating a question, performing experiments and/or analyzing a data presentation.
2. Set up and execute general and intermediate chemical reactions in the lab using a chemical technique.

Program SLO assessment
Students will prepare specifically-selected, written lab reports for which a rubric will be followed. The instructor will observe student technique/performance and evaluate it against a standard protocol. Students will then be given a comprehensive (national), final examination administered by the American Chemical Society and evaluate it against the national score results.

***5. Strategic Plan goal or objective addressed by this priority in Strategic Plan 2013?**	**Course(s) & SLO(s) addressed by this priority in Curricunet?**	**Program(s) and SLO(s) addressed by this priority (program is defined as a certificate, degree, or discipline) in Curricunet?**
4a	**Chemistry 220: SLO #1,2,3** **Chemistry 221: SLO #1** **Chemistry 210: SLO #1,2**	**Our chemistry program SLO involves the ongoing success rate of our students passing the cummulative national exam given by the American Chemical Society with high scores (~85%).**

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6. Reflect on the progress your discipline and/or department is making on defining, implementing, and assessing course, program, GE/Institutional level SLOs. What have been the benefits and what have been the challenges?
All course and program SLOs have been written. We are currently in an assessment cycle for two of our courses. The challenges have presented themselves in writing comprehensive and meaningful SLOs. The benefit of this process has allowed for more pedagogical intraspection.

Individuals completing this Program Review and Planning Supplemental document:

Name(s):	Signatures:	Date:
David A. Boyajian		03/12/2010

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