

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 <http://www.palomar.edu/irp/IPRPSupplementalReport.htm>). 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 idecker@palomar.edu no later than 3/05/2010.

Department Life Sciences	Department Priority # 6	<input type="checkbox"/> No funding/resources are being requested
Program/Discipline: Biology - Majors Level		Program/Discipline Priority # FOR 2010-2011: 2

To establish a priority, use the current Program Review and Planning (PRP) document submitted Spring 2009 (posted at <http://www.palomar.edu/irp/IPRPSupplementalReport.htm>) 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): From 2007 plan and 2008/09 progress. There is still the need to update 'high tech' molecular biology tools within the laboratory					
*3.a/b. Describe your goal (priority) based on data analysis from the PRP: netbook computer systems used to investigate DNA base sequences, amino acid sequences, protein structure from online genomic and proteomic databases.					
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.)					
*4.a. Technology (computers, data projectors, document readers, etc.)	Classroom set (32x) of netbook computer systems @ \$300 each - 5 year replacement cycle		9,600		9600/5 year cycle
*4.b. Budget for 4000s - Per unit cost is ≤\$500 (supplies)					
*4.b. Budget for 5000s – Printing, maintenance agreements, software license, accreditation fees, etc.					
*4.c. Facilities					
*4.d. Faculty position					
*4.e. Classified staff position (contract)					
*4.e. Classified staff position (hourly)					
			TOTAL 9,600.00		

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How will you evaluate whether or not you have met your goal/priority with the requested resources?
Netbooks provide students the ability to investigate the genetic and molecular aspects of biology. This will be evidenced by increased comprehension in both the lecture and laboratory portions of the course.

What evidence will you provide to reflect the impact these resources had on student learning?
Students will be able to locate and identify specific genetic and molecular sequences and structures. This will improve comprehension in all topics of the course.

<p>*5. Strategic Plan goal or objective addressed by this priority: http://www.palomar.edu/strategicplanning/Strategic%20Plan%202009/Strategic%20Plan%202009_book%20as%20printed.pdf</p>	<p>Course(s) & SLO(s) addressed by this priority: http://www.curricunet.com/Palomar/</p> <p>Successful students will be able to describe biological evolution and the roles the environment, mutations, natural selection, genetic drift and gene flow play in the genetic changes that occur within natural populations.</p>	<p>Program(s) and SLO(s) addressed by this priority (program is defined as a certificate, degree, or discipline): http://www.curricunet.com/Palomar/</p>
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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?

Individuals completing this Program Review and Planning Supplemental document:

Name(s):	Signatures:	Date:
Jim Gilarde		
Ralph E. Ferges, Department Chair		