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| **Life Sciences** | **Date:** **12/11/2015** |
| **Instructional Discipline Reviewed (Each discipline is required to complete a Program Review.)** |  |

**DEFINITION**

Program Review and Planning is the means by which faculty, staff, and/or administrators complete a self-evaluation of an academic discipline, program, or service.  The self-evaluation includes an analysis of both quantitative and qualitative data on how the academic discipline, program, or service is supporting the mission and strategic planning of Palomar College in meeting the educational and career interests of students.  Through the review of and reflection on key program elements, such as program data and student learning outcomes, Program Review and Planning defines the curriculum changes, staffing levels, activities, and/or strategies necessary to continue to improve the academic discipline, program, or service in support of student success.  The Program Review and Planning process also ensures short-term and long-term planning and identification of the resources necessary to implement identified goals and priorities.

**Purpose of Program Review and Planning:**

Program Review and Planning for Years 2 and 3 provides a “check-in” on the Year 1 Comprehensive PRP. The PRP documents the vision and planning for a program or discipline. It also provides information for the development of the College’s Strategic Plan goals and annual objectives, documents overarching themes/issues occurring across academic programs and instruction, identifies the needs for resource allocations, and identifies department needs for developing the annual Staffing Plan update.

[**Palomar College Mission**](http://www.palomar.edu/about/goals.aspx)

Our mission is to provide an engaging teaching and learning environment for students of diverse origins, experiences, needs, abilities, and goals. As a comprehensive community college, we support and encourage students who are pursuing transfer-readiness, general education, basic skills, career and technical training, aesthetic and cultural enrichment, and lifelong education. We are committed to helping our students achieve the learning outcomes necessary to contribute as individuals and global citizens living responsibly, effectively, and creatively in an interdependent and ever-changing world.

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| **List everyone who participated in completing this Program Review and Planning Document.**  **Elizabeth Pearson, Karen Buehler, Steve King and Margarita Vega** |

**Resources Requested for Academic Year 2015-16: Identify the resources needed to achieve the department’s goals and plans.   
RESOURCE REQUESTS THAT SUPPORT MORE THAN ONE DISCIPLINE SHOULD BE INCLUDED ON THIS FORM.**

**STEP I. Resources Requested for FY 2015-16: I**dentify all additional resources you will need to achieve goals, plans and strategies. First, identify all resource needs in each budget category. You may have up to five (5) requests per budget category. Provide a meaningful rationale for each request and how it links to your Goals, Plans, and Strategies. Resource requests to simply replace budget cuts from previous years will not be considered. Negotiated items should not be included in any resources requested. PLEASE NOTE THAT ALL FUNDING ALLOCATED BY IPC IS ONE-TIME AND MUST BE SPENT WITHIN THE DEFINED TIMELINE. Click here for examples of [*Budget Category*](http://www.palomar.edu/irp/Document%20Library/PRP%20Budget%20Category.pdf)*.*

Prioritize within each category and then prioritize across categories in Step II.

**\***Refer to Strategic Plan 2016 Objectives at http://www.palomar.edu/strategicplanning/StrategicPlan2016-Year2.pdf

**Budget category a. Equipment (acct 600010 and per unit cost is >$500). Enter requests on lines below. Click here for examples of equipment:** [**Budget Category**](http://www.palomar.edu/irp/Document%20Library/PRP%20Budget%20Category.pdf)

| **Priority Number for Resource Requests** | **Resource Item Requested** | **Fund Category** | **Discipline goal addressed by this resource** | [**Strategic Plan 2016 Objective Addressed by this Resource**](http://www.palomar.edu/strategicplanning/PALOMAR_STRATEGICPLAN2016.pdf)**\*** | **Provide ~~a~~ detailed rationale for each item. Refer to your goals, plans, analysis of data, SLOACs, and the Strategic Plan. (If item is already funded, name the source and describe why it is not sufficient for future funding.)** | **Amount of Funding Requested (include tax, shipping, etc.)** |
| --- | --- | --- | --- | --- | --- | --- |
| **a1.** | **Cabinets for the Escondido Lab room** | **600010** | **1,2** | **1,3** | **Together with Tom Medel we are trying to upgrade the lab room at the Escondido Center. This room got new paint and floors in the renovations, but none of the furniture or cabinetry was replaced. Tom Medel is asking for chairs and desks and we are asking for the cabinetry.** | **$3218.94** |
| **a2.** | **Steam traps** | **600010** | **1,2** | **1,3** | **Steam traps must be replaced for the proper functioning of the autoclave. We do not have an ongoing maintenance budget for this item.** | **$325.53** |
| **a3.** | **Waterbath** | **600010** | **1,2** | **1,3** | **For the Escondido Lab room to ensure that biology students have access to the same technology and lab activities that are available on the main campus.** | **$765.00** |
| **a4.** | **Repaired Autoclave Rack** | **600010** | **1,2** | **1,3** | **The rack in the much-used Autoclave broke and needs to be repaired. We have a negotiated quote from the supplier.** | **$408.76** |
| **a5.** |  | **600010** |  |  |  |  |

**Budget category b. Technology (acct 600010, examples: computers, data projectors, document readers). Enter requests on lines below. Click here for examples of technology:** [**Budget Category**](http://www.palomar.edu/irp/Document%20Library/PRP%20Budget%20Category.pdf)

| **Priority Number for Resource Requests** | **Resource Item Requested** | **Fund Category** | **Discipline goal addressed by this resource** | [**Strategic Plan 2016 Objective Addressed by this Resource**](http://www.palomar.edu/strategicplanning/PALOMAR_STRATEGICPLAN2016.pdf)**\*** | **Provide ~~a~~ detailed rationale for each item. Refer to your goals, plans, analysis of data, SLOACs, and the Strategic Plan. (If item is already funded, name the source and describe why it is not sufficient for future funding.)** | **Amount of Funding Requested (include tax, shipping, etc.)** |
| --- | --- | --- | --- | --- | --- | --- |
| **b1.** |  | **600010** |  |  |  |  |
| **b2.** |  | **600010** |  |  |  |  |
| **b3.** |  | **600010** |  |  |  |  |
| **b4.** |  | **600010** |  |  |  |  |
| **b5.** |  | **600010** |  |  |  |  |

**Budget category c. Supplies (acct 400010 and per unit cost is <$500). Enter requests on lines below. Click here for examples of supplies:** [**Budget Category**](http://www.palomar.edu/irp/Document%20Library/PRP%20Budget%20Category.pdf)

| **Priority Number for Resource Requests** | **Resource Item Requested** | **Fund Category** | **Discipline goal addressed by this resource** | [**Strategic Plan 2016 Objective Addressed by this Resource**](http://www.palomar.edu/strategicplanning/PALOMAR_STRATEGICPLAN2016.pdf)**\*** | **Provide ~~a~~ detailed rationale for each item. Refer to your goals, plans, analysis of data, SLOACs, and the Strategic Plan. (If item is already funded, name the source and describe why it is not sufficient for future funding.)** | **Amount of Funding Requested (include tax, shipping, etc.)** |
| --- | --- | --- | --- | --- | --- | --- |
| **c1.** |  | **400010** |  |  |  |  |
| **c2.** |  | **400010** |  |  |  |  |
| **c3.** |  | **400010** |  |  |  |  |
| **c4.** |  | **400010** |  |  |  |  |
| **c5.** |  | **400010** |  |  |  |  |

**Budget category d. Operating Expenses (acct 500010; examples: printing, maintenance agreements, software license) Enter requests on lines below. Click here for examples of operating expense:** [**Budget Category**](http://www.palomar.edu/irp/Document%20Library/PRP%20Budget%20Category.pdf)

| **Priority Number for Resource Requests** | **Resource Item Requested** | **Fund Category** | **Discipline goal addressed by this resource** | [**Strategic Plan 2016 Objective Addressed by this Resource**](http://www.palomar.edu/strategicplanning/PALOMAR_STRATEGICPLAN2016.pdf)**\*** | **Provide ~~a~~ detailed rationale for each item. Refer to your goals, plans, analysis of data, SLOACs, and the Strategic Plan. (If item is already partially funded, name the source and describe why it is not sufficient for future funding.)** | **Amount of Funding Requested (include tax, shipping, etc.)** |
| --- | --- | --- | --- | --- | --- | --- |
| **d1.** | **autoclave maintenace** | **500010** | **1,2** | **1,3** | **The autoclave is essential to our microbiology courses. It is used for preparing materials for student use and we do not have an ongoing maintenance budget for this item.** | **$1400** |
| **d2.** | **Rayne Water: soft water service for the autoclave** | **500010** | **1,2** | **1,3** | **Soft water must be used in the autoclave and we do not have an ongoing maintenance budget for this item.** | **$342** |
| **d3.** | **Microscope maintenance**  **$1485/classroom** | **500010** | **1,2** | **1,3** | **Microscopes are an essential tool in the biological sciences. They get a lot of use resulting in regular wear and tear. We do not have an ongoing maintenance budget for this item.** | **$5940** |
| **d4.** |  | **500010** |  |  |  |  |
| **d5.** |  | **500010** |  |  |  |  |

**Budget category e. Travel Expenses for Faculty (acct 500010: faculty travel only)**

| **Priority Number for Resource Requests** | **Resource Item Requested** | **Fund Category** | **Discipline goal addressed by this resource** | [**Strategic Plan 2016 Objective Addressed by this Resource**](http://www.palomar.edu/strategicplanning/PALOMAR_STRATEGICPLAN2016.pdf)**\*** | **Provide ~~a~~ detailed rationale for each item. Refer to your goals, plans, analysis of data, SLOACs, and the Strategic Plan. (If item is already funded, name the source and describe why it is not sufficient for future funding.)** | **Amount of Funding Requested (include benefits if applicable)** |
| --- | --- | --- | --- | --- | --- | --- |
| **e1.** |  | **500010** |  |  |  |  |
| **e2.** |  | **500010** |  |  |  |  |
| **e3.** |  | **500010** |  |  |  |  |
| **e4.** |  | **500010** |  |  |  |  |
| **e5.** |  | **500010** |  |  |  |  |

**Budget category f. Short-term hourly (temporary and student worker). Enter requests on lines below.**

| **Priority Number for Resource Requests** | **Resource Item Requested** | **Fund Category** | **Discipline goal addressed by this resource** | [**Strategic Plan 2016 Objective Addressed by this Resource**](http://www.palomar.edu/strategicplanning/PALOMAR_STRATEGICPLAN2016.pdf)**\*** | **Provide ~~a~~ detailed rationale for each item. Refer to your goals, plans, analysis of data, SLOACs, and the Strategic Plan. (If item is already funded, name the source and describe why it is not sufficient for future funding.)** | **Amount of Funding Requested (include benefits if applicable)** |
| --- | --- | --- | --- | --- | --- | --- |
| **f1.** | **Additional student hourly funds** | **230010** | **2** | **1** | Currently our laboratories are running a deficit in laboratory support time and supply funds. Of particular importance is additional funds to support short term and student hourly workers. Such students do the bulk of the grunt work (pouring 600 agar plates, dish washing, and other mass production of lab supplies). In MICR200 and ZOO203, the instructors shoulder some of the additional burden of laboratory preparation because there are not enough support personnel to serve all of the sections. | $7000 per year |
| **f2.** |  | **230010** |  |  |  |  |
| **f3.** |  | **230010** |  |  |  |  |
| **f4.** |  | **230010** |  |  |  |  |
| **f5.** |  | **230010** |  |  |  |  |

**STEP II. Prioritize Resource Requests.** Now that you have completed Step I, prioritize all of your resource requests as one group; not prioritized within each budget category. This means you could have your #1 priority in technology, your #2 priority in short-term hourly, and your #3 priority in equipment, etc. If you actually have five (5) requests in each of the six (6) budget categories, you would end up with 30 prioritized requests**. IPC will not consider requests that are not prioritized.** Note that all funding allocated by IPC is one-time and must be spent within the defined timeline.

| **Priority Number for all Resource Requests in Step I** | **Resource Item Requested** | **Fund Category** | **Discipline goal addressed by this resource** | [**Strategic Plan 2016 Objective Addressed by this Resource**](http://www.palomar.edu/strategicplanning/PALOMAR_STRATEGICPLAN2016.pdf)**\*** | **Provide ~~a~~ detailed rationale for each item. Refer to your goals, plans, analysis of data, SLOACs, and the Strategic Plan. (If item is already funded, name the source and describe why it is not sufficient for future funding.)** | **Amount of Funding Requested (include tax, shipping, benefits, etc.)** |
| --- | --- | --- | --- | --- | --- | --- |
| **1.** | **Autoclave maintenace** | **500010** | **1,2** | **1,3** | **The autoclave is essential to our microbiology courses. It is used for preparing materials for student use and we do not have an ongoing maintenance budget for this item.** | **$1400** |
| **2.** | **Rayne Water: soft water service for the autoclave** | **500010** | **1,2** | **1,3** | **Soft water must be used in the autoclave and we do not have an ongoing maintenance budget for this item.** | **$342** |
| **3.** | **Additional student hourly funds** | **230010** | **2** | **1** | **Currently our laboratories are running a deficit in laboratory support time and supply funds. Of particular importance is additional funds to support short term and student hourly workers. Such students do the bulk of the grunt work (pouring 600 agar plates, dish washing, and other mass production of lab supplies). In MICR200 and ZOO203, the instructors shoulder some of the additional burden of laboratory preparation because there are not enough support personnel to serve all of the sections.** | **$7000 per year** |
| **4.** | **Cabinets for the Escondido Lab room** | **600010** | **1,2** | **1,3** | **Together with Tom Medel we are trying to upgrade the lab room at the Escondido Center. This room got new paint and floors in the renovations, but none of the furniture or cabinetry was replaced. Tom Medel is asking for chairs and desks and we are asking for the cabinetry.** | **$3218.94** |
| **5.** | **Waterbath** | **600010** | **1,2** | **1,3** | **For the Escondido Lab room to ensure that biology students have access to the same technology and lab activities that are available on the main campus.** | **$765** |
| **6.** | **Microscope maintenance**  **$1485/classroom** | **500010** | **1,2** | **1,3** | **Microscopes are an essential tool in the biological sciences. They get a lot of use resulting in regular wear and tear. We do not have an ongoing maintenance budget for this item.** | **$5940** |
| **7.** | **Steam traps** | **600010** | **1,2** | **1,3** | **Steam traps must be replaced for the proper functioning of the autoclave. We do not have an ongoing maintenance budget for this item.** | **$325.53** |
| **8.** | **Repaired Autoclave Rack** | **600010** | **1,2** | **1,3** | **The rack in the much-used Autoclave broke and needs to be repaired. We have a negotiated quote from the supplier.** | **$408.76** |
| **9.** |  |  |  |  |  |  |
| **10.** |  |  |  |  |  |  |
| **11.** |  |  |  |  |  |  |
| **12.** |  |  |  |  |  |  |
| **13.** |  |  |  |  |  |  |
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| **28.** |  |  |  |  |  |  |
| **29.** |  |  |  |  |  |  |
| **30.** |  |  |  |  |  |  |

**STEP III. Contract Position Requests.** Prioritize all contract positions you feel are needed to achieve your goals, plans and strategies. Include all requests for Classified, CAST, and Administrator positions that either replace a vacancy due to retirements, resignations, lateral transfers, etc., or any new positions. You may request up to ten (10) positions and they must be prioritized to be considered by IPC. Please note that only these position requests will be prioritized by IPC when developing the annual Staffing Plan for Instruction.   (Do not include faculty positions.)

| **Priority Number for Contract Position Requests** | **Position Title/Category**  **Requested** | **Fund Category** | **Discipline goal addressed by this resource** | [**Strategic Plan 2016 Objective Addressed by this Resource**](http://www.palomar.edu/strategicplanning/PALOMAR_STRATEGICPLAN2016.pdf)**\*** | **Provide a detailed rationale for the each position. The rationale should refer to your discipline’s goals, plans, analysis of data, SLOACs, and the Strategic Plan. (If position is already funded, name the source and describe why it is not sufficient for future funding.)** | **Amount of Funding Requested (include benefits)** |
| --- | --- | --- | --- | --- | --- | --- |
| **1.** |  |  |  |  |  |  |
| **2.** |  |  |  |  |  |  |
| **3.** |  |  |  |  |  |  |
| **4.** |  |  |  |  |  |  |
| **5.** |  |  |  |  |  |  |
| **6.** |  |  |  |  |  |  |
| **7.** |  |  |  |  |  |  |
| **8.** |  |  |  |  |  |  |
| **9.** |  |  |  |  |  |  |
| **10.** |  |  |  |  |  |  |

**Department Chair/Designee Signature Date**

**Division Dean Signature Date**