**Palomar College – Program Review and Planning**

**Instructional Programs**

**YEAR 1**

**Academic Year** **2010-11**

**Purpose of Program Review and Planning:** The institution assesses progress toward achieving stated goals and makes decisions regarding the improvement of institutional effectiveness in an on-going and systematic cycle of evaluation, integrated planning, resource allocation, implementation, and re-evaluation. Evaluation is based on analyses of both quantitative and qualitative data (ACCJC/WASC, Standard I, B.3.)

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| **Discipline: Web Technology** | **02/28/2011** |
| **Instructional Discipline Reviewed (Each discipline is required to complete a Program Review)** | **Please Add Date (00/00/2011)** |

**STEP I. ANALYSIS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **<<Prelim>>** | ◄▬ Preliminary Fall 2010 data are as of 1/30/2011 |  |
|  |  | **Fall 2007** | **Fall 2008** | **Fall 2009** | **Fall 2010** | **Definitions** | |
| **Enrollment at Census** | | 218 | 380 | 430 | 418 | *Self Explanatory* | |
| **Census Enrollment Load %** | | 75.69% | 86.36% | 84.98% | 94.14% | Enrollment at Census Divided By Sum of Caps (aka "Seats") | |
| **WSCH** | | 556 | 996 | 1,078 | 975 | Weekly Student Contact Hours | |
| **FTES** | | 18.53 | 33.20 | 35.93 | 32.49 | One Full-Time Equivalent Student = 30 WSCH | |
| **Total FTEF** | | 1.60 | 2.27 | 2.66 | 2.13 | Total Full-Time Equivalent Faculty | |
| **WSCH/FTEF** | | 348 | 439 | 405 | 457 | WSCH Generated per Full-Time Equivalent Faculty Member | |
| **Full-time FTEF** | | 1.60 | 1.53 | 1.60 | 1.53 | FTEF from Contract Faculty | |
| **Hourly FTEF** | | - | 0.27 | 0.53 | 0.60 | FTEF from Hourly Faculty | |
| **Overload FTEF** | | - | 0.47 | 0.53 | - | FTEF from Contract Faculty Overload | |
| **Part-Time FTEF** | | - | 0.73 | 1.06 | 0.60 | Hourly FTEF + Overload FTEF | |
| **Part-Time/(Total FTEF) %** | | - | 32.35% | 39.85% | 28.12% | Percent of Total FTEF Taught By Part-Time Faculty | |
| Student Achievement: **Non Distance Education Courses** | | | |  |  | Those NOT taught via Distance Ed (see below) methods of instruction | |
| **● Retention Rate** | | - | 88.06% | 88.16% | 100.00% | Non-W Eligible Grades (see next line) Divided by All Eligible Grades | |
| **● Success Rate** | | - | 56.72% | 50.00% | 70.00% | A,B,C,CR/P Grades Divided By A,B,C,CR/P,D,F,FW,NC/NP,W Grades | |
| Student Achievement: **Distance Education Courses** | | | |  |  | Those taught via Internet, TV or non line-of-sight interactive methods | |
| **● Retention Rate** | | 88.03% | 87.14% | 90.00% | 88.51% | Non-W Eligible Grades (see next line) Divided by All Eligible Grades | |
| **● Success Rate** | | 56.41% | 48.57% | 54.38% | 67.57% | A,B,C,CR/P Grades Divided By A,B,C,CR/P,D,F,FW,NC/NP,W Grades | |
| **Degrees Awarded** | | - | - | - | N/A\* | Degree Counts Are for the Full Academic Year (thus, \*N/A for 2010-11) | |
| **Certificates Awarded:** | | - | - | 7 | N/A\* | Certificate Counts Are for the Full Academic Year (\*N/A for 2010-11) | |
| **- Under 18 Units** | | - | - | 7 | N/A\* | Certificate Counts Are for the Full Academic Year (\*N/A for 2010-11) | |
| **- 18 or More Units** | | - | - | - | N/A\* | Certificate Counts Are for the Full Academic Year (\*N/A for 2010-11) | |

| **I. A. Reflect upon and provide an analysis of the four years of data above (for a sample analysis see** <http://www.palomar.edu/irp/11PRYear1/sampleforIA.pdf>) |
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| **The data show that the success rate of the Web Development classes (CSWB) is significantly increasing, with both lecture and online classes.**  **More students are signing up for the classes and staying enrolled past the census date.**  **In Fall 2008 the economy entered a severe recession and there was a bit of a drop-off in enrollments. The student enrollment trend is now increasing due to both some rebounding in the economy and forecasts that Web Technology work will be in high demand.** |

| **I. B. Please summarize the findings of a Course or Program SLO assessment conducted by your discipline. (For examples, see** <http://www.palomar.edu/irp/11PRYear1/PRPsloExamples.pdf>) |
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| **In every class offered in the CSWB discipline student were surveyed about each Student Learning Outcome and in each case, students agreeing and strongly agreeing that the SLO was met, was in 75%-100% range. Over 50% said that they strongly agree that the outcomes were met.** |

| **I. C. Reflect upon the SLO assessment findings in Box B above. Discuss overall observations and any areas of concern or noteworthy trends.**  **(For examples of such analysis, see** <http://www.palomar.edu/irp/11PRYear1/PRPsloExamples.pdf>) |
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| **Our SLO assessment process is in its first year, so an accurate trend analysis is not possible yet. However, the early reports are encouraging.**  **We will continue to communicate with our students to ensure that our course and program SLOs are met.** |

| **I. D. For Career Technical disciplines only, please provide a brief summary of the labor market outlook. This data can be found at** [**http://www.labormarketinfo.edd.ca.gov/**](http://www.labormarketinfo.edd.ca.gov/) **Please include job projections and trends that may influence major curriculum revisions.** |
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| **There is no exact category for Web Developers (computer programming for Web applications) but there is data kept for computer programmers overall. The data suggests a slight decrease in the demand (a 6.1% decrease from 2008-2018).**  **Since there will most likely be a greater demand for Web related technologies (including wireless devices such as the iPad and Android tablets) I believe there will an upward trend.**  **A major technology employment site, dice.com, did a survey of employers and found that…**  **It's been an employer market for the last couple of years," but that is changing and "the pendulum is now swinging back" so that prospective employees have more options. "So [companies] have to spend more time and energy and, probably, money recruiting," he said.**  **And because 52% of respondents said they expect salaries for new hires will be the same as last year, companies also may need to look at increasing pay to be competitive in a fiercer market for skilled IT pros, the Dice.com survey found.**  **Dice's advice to those who are job hunting remains largely the same as in the past. "The very first thing we always tell people is to be flexible in terms of location." Especially in technology jobs, if there isn't an opportunity in a local market, there will undoubtedly be opportunities in other regions. "If you're flexible on location, chances are you're going to find something that fits you very well."** |

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| **STEP II. PLANNING**  **Reflecting on the 4-year trend data, the SLO assessment results, and the college’s** [**Strategic Plan 2013**](http://www.palomar.edu/strategicplanning/STRATEGICPLAN2013.pdf)**, describe/discuss the discipline planning related to the following: (For sample reflections, see** <http://www.palomar.edu/irp/11PRYear1/samplesforII.pdf>) |

| **II. A. Curriculum, programs, certificates and degrees (consider changes due to Title 5 or other regulations, CSU/UC transfer language updates, articulation updates, student retention or success rates, workforce and labor market projections, certificate or degree completions, etc.)** |
| --- |
| **Our curriculum will to expand in response to market needs. Employment Web sites (e.g. monster.com, dice.com, etc.) are researched on an on-going basis to help us understand what new courses we should offer. In the Web development area there are new programming languages will be added, such as Ruby on Rails. Also we will need to provide course in the enviroments used to develop applications for new devices such as iPad and Android tablets.** |

| **II. B. Class scheduling (consider enrollment trends, growth, course rotation, sequencing, Center/Site offerings, comprehensiveness, etc.)** |
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| **With the new MD building and the addition of available lab rooms we anticipate having enough on campus class space for the next few years.**  **Classes will be scheduled primarily in the evenings and/or online since most of our Web Technology students are working adults who are attaining additional vocational skills to expand or change their careers.** |

| **II. C. Faculty (Briefly discuss the faculty hiring needs for this discipline. This discussion does not replace the requirement to submit a Rationale Form for Faculty Hiring to IPC.)** |
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| **Additional full-time and part-time faculty will be needed to teach new classes in the Web Technology and iPad and Androd tablet areas. We currently do not have enough expertise to fully instruct in these fast-growing areas.** |

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| **STEP III. RESOURCE REQUESTS FOR DISCIPLINE:** |
| **III. A. Describe the resources necessary to successfully implement the planning described above. Provide a detailed rationale for each request by referring to the analyses of data and SLO assessment results in Step I and/or to any other evidence not apparent in the data or SLO Assessment** results.  NOTE: Do **NOT** include Resource Requests that duplicate requests from other disciplines In your department. Place requests common to two or more disciplines on the form: ACADEMIC DEPARTMENT RESOURCE REQUESTS. |

| **a. Equipment (per unit cost is >$500) *Enter requests on lines below.*** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Resource** | **Describe Resource Requested** | **Prioritize these requests**  **1,2,3, etc.** | **Strategic Plan 2013 Goal/**  **Objective Addressed by This Resource**  **(**[**Link**](http://www.palomar.edu/strategicplanning/STRATEGICPLAN2013.pdf)**)** | **Provide a detailed rationale for the requested resource. The rationale should refer to your discipline’s plan, analysis of data, SLO assessments, and/or the College’s Strategic Plan** | **Estimated Amount of Funding Requested** | **Will this be one-time or on-going funding?** | **Is resource already funded (in part or in full)? If so, name source. Why is that source not sufficient for future funding?** |
| **a1.** |  |  |  |  |  |  |  |
| **a2.** |  |  |  |  |  |  |  |
| **a3.** |  |  |  |  |  |  |  |
| **a4.** |  |  |  |  |  |  |  |
| **a5.** |  |  |  |  |  |  |  |

| **b. Technology (computers, data projectors, document readers, etc.) *Enter requests on lines below.*** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Resource** | **Describe Resource Requested** | **Prioritize these requests**  **1,2,3, etc.** | **Strategic Plan 2013 Goal/**  **Objective Addressed by This Resource**  **(**[**Link**](http://www.palomar.edu/strategicplanning/STRATEGICPLAN2013.pdf)**)** | **Provide a detailed rationale for the requested resource. The rationale should refer to your discipline’s plan, analysis of data, SLO assessments, and/or the College’s Strategic Plan** | **Estimated Amount of Funding Requested** | **Will this be one-time or on-going funding?** | **Is resource already funded (in part or in full)? If so, name source. Why is that source not sufficient for future funding?** |
| **b1.** | **Dedicated Web application Server** | **1** | **6.1** | **Raitionale Provided in Step 2 above** | **2,000** | **Every 3 years** | **No** |
| **b2.** |  |  |  |  |  |  |  |
| **b3.** |  |  |  |  |  |  |  |
| **b4.** |  |  |  |  |  |  |  |
| **b5.** |  |  |  |  |  |  |  |

| **c. Budget for 4000s (per unit cost is <$500 supplies) *Enter requests on lines below.*** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Resource** | **Describe Resource Requested** | | **Prioritize these requests**  **1,2,3, etc.** | | **Strategic Plan 2013 Goal/**  **Objective Addressed by This Resource**  **(**[**Link**](http://www.palomar.edu/strategicplanning/STRATEGICPLAN2013.pdf)**)** | | **Provide a detailed rationale for the requested resource. The rationale should refer to your discipline’s plan, analysis of data, SLO assessments, and/or the College’s Strategic Plan** | | **Estimated Amount of Funding Requested** | | **Will this be one-time or on-going funding?** | | **Is resource already funded (in part or in full)? If so, name source. Why is that source not sufficient for future funding?** |
| **c1.** |  |  | |  | |  | |  | |  | |  | |
| **c2.** |  |  | |  | |  | |  | |  | |  | |
| **c3.** |  |  | |  | |  | |  | |  | |  | |
| **c4** |  |  | |  | |  | |  | |  | |  | |
| **c5.** |  |  | |  | |  | |  | |  | |  | |

| **d. Budget for 5000s (printing, maintenance agreements, software license etc.) *Enter requests on lines below.*** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Resource** | **Describe Resource Requested** | | **Prioritize these requests**  **1,2,3, etc.** | | **Strategic Plan 2013 Goal/**  **Objective Addressed by This Resource**  **(**[**Link**](http://www.palomar.edu/strategicplanning/STRATEGICPLAN2013.pdf)**)** | | **Provide a detailed rationale for the requested resource. The rationale should refer to your discipline’s plan, analysis of data, SLO assessments, and/or the College’s Strategic Plan** | | **Estimated Amount of Funding Requested** | | **Will this be one-time or on-going funding?** | | **Is resource already funded (in part or in full)? If so, name source. Why is that source not sufficient for future funding?** | |
| **d1.** |  |  | |  | |  | |  | |  | |  | |
| **d2.** |  |  | |  | |  | |  | |  | |  | |
| **d3.** |  |  | |  | |  | |  | |  | |  | |
| **d4.** |  |  | |  | |  | |  | |  | |  | |
| **d5.** |  |  | |  | |  | |  | |  | |  | |

| **e. Classified staff position (permanent/contract position requests unique to this discipline) *Enter requests on lines below.*** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Resource** | **Describe Resource Requested** | | **Prioritize these requests**  **1,2,3, etc.** | | **Strategic Plan 2013 Goal/**  **Objective Addressed by This Resource**  **(**[**Link**](http://www.palomar.edu/strategicplanning/STRATEGICPLAN2013.pdf)**)** | | **Provide a detailed rationale for the requested resource. The rationale should refer to your discipline’s plan, analysis of data, SLO assessments, and/or the College’s Strategic Plan** | | **Estimated Amount of Funding Requested** | | **Will this be one-time or on-going funding?** | | **Is resource already funded (in part or in full)? If so, name source. Why is that source not sufficient for future funding?** |
| **e1.** |  |  | |  | |  | |  | |  | |  | |
| **e2.** |  |  | |  | |  | |  | |  | |  | |
| **e3.** |  |  | |  | |  | |  | |  | |  | |
| **e4.** |  |  | |  | |  | |  | |  | |  | |
| **e5.** |  |  | |  | |  | |  | |  | |  | |

| **f. Classified staff position (temporary and student workers position requests unique to this discipline) *Enter requests on lines below.*** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Resource** | **Describe Resource Requested** | | **Prioritize these requests**  **1,2,3, etc.** | | **Strategic Plan 2013 Goal/**  **Objective Addressed by This Resource**  **(**[**Link**](http://www.palomar.edu/strategicplanning/STRATEGICPLAN2013.pdf)**)** | | **Provide a detailed rationale for the requested resource. The rationale should refer to your discipline’s plan, analysis of data, SLO assessments, and/or the College’s Strategic Plan** | | **Estimated Amount of Funding Requested** | | **Will this be one-time or on-going funding?** | | **Is resource already funded (in part or in full)? If so, name source. Why is that source not sufficient for future funding?** |
| **f1.** |  |  | |  | |  | |  | |  | |  | |
| **f2.** |  |  | |  | |  | |  | |  | |  | |
| **f3.** |  |  | |  | |  | |  | |  | |  | |
| **f4.** |  |  | |  | |  | |  | |  | |  | |
| **f5.** |  |  | |  | |  | |  | |  | |  | |

| **III. B. Are there other resources (including data) that you need to complete your discipline review and planning?** |
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| **No** |

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| **STEP IV. SHARE YOUR ACCOMPLISHMENTS (AKA Brag, Toot your horn) Please include at least one discipline accomplishment that you’d like to share with the college community.** |
| **Our greatest accomplishment is that we continually offer leading edge technical training to students for less than a tenth of what it would cost them if they took our classes at a 4-year college or private training company.** |

| **STEP V. ACCREDITATION For programs with an external accreditation, indicate the date of the last accreditation visit and discuss recommendations and progress made on the recommendations.** |
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| **n/a** |

| **STEP VI. COMMENTS Other comments, recommendations: (Please use this space for additional comments or recommendations that don’t fit in any category above.)** |
| --- |
| **n/a** |

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| --- | --- | --- |
| **Please identify faculty and staff who participated in the development of the plan for this department:** | | |
| **Steve Perry *Name*** | ***Name*** | ***Name*** |

|  |  |  |
| --- | --- | --- |
| ***Name*** | ***Name*** | ***Name*** |

**Department Chair/Designee Signature Date**

**Division Dean Signature Date**

* **Provide a hard copy to the Division Dean no later than March 11**
* **Provide a hard copy with the Dean’s sign-off to Instructional Services by March 18**
* **Email an electronic copy to** [**jdecker@palomar.edu**](mailto:jdecker@palomar.edu) **by March 18**