

Peralta Community College District

UNIT PLAN UPDATE Template ~ November 2009

Each discipline will complete this form to update the unit plans developed in 2008. These will be reviewed at the college level and then forwarded to the district-wide planning and budgeting process. The information on this form is required for all resource requests – including faculty staffing requests – for the 2010-11 budget year.

I. OVERVIEW:

		Date Submitted:	11-15-09
Discipline	Physical Sciences - Astronomy	Dean:	Dr. Rebecca Kenney
Department Chair	Ray Chamberlain		
Mission/History <i>Brief, one paragraph</i>	This program offers courses for transfer students and students with an interest in Astronomy. It is the closest astronomy program to the Chabot Space and Science Center and classes use the facility.		

II. EVALUATION AND PLANNING

Please review the program review data and the CSEP review criteria and complete the following matrix.

Baseline Data

Annual Trend Baseline Data					
Year	Annual FTES	%FTES growth	FTEF in program	FTES /FTEF	Comments
2008/09	10.74	-24%	.82	13.09	Decreasing
2007/08	13.41	-23.10%	1.18	11.36	
2006/07	17.45	-12%	1.39	12.55	
2005/06	19.84	n/a	1.65	12.02	

ASTRONOMY	Fall					CODE	Comments
	2004	2005	2006	2007	2008		
Quantitative Assessments							
1. Enrollment (duplicated)	109	97	68	49	78		Fluctuating
2. Sections (master sections)	4	4	3	3	2		Decreasing
3. FTEF	0.82	0.83	0.59	0.59	.40		Decreasing
4. FTES	11.50	10.48	6.83	5.55	6.37		Steady last three years
5. FTES/FTEF	14.03	12.63	11.57	9.40	16.18		Increased
7. Program Cost (Cost methodology is under development. Please complete the remaining items. This step to be completed later.)							

Qualitative Assessments	Narrative
8. Community and labor market relevance Present evidence of community need based on Advisory Committee input, industry need data, McIntyre Environmental Scan, McKinsey Economic Report, etc. This applies primarily to career-technical (i.e., vocational programs).	The California Occupational Projection for 2002-2012 projects a 23% increase in the number of Physical Science Technicians. This program supports the Physical Sciences and mathematics programs in the district.

9. College strategic plan relevance	
<p>Check all that apply</p> <ul style="list-style-type: none"> <input type="checkbox"/> New program under development <input checked="" type="checkbox"/> Program that is integral to the college's overall strategy <input type="checkbox"/> Program that is essential for transfer <input checked="" type="checkbox"/> Program that serves a community niche. <input type="checkbox"/> Programs where student enrollment or success has been demonstrably affected by extraordinary external factors, such as barriers due to housing, employment, childcare etc. <p>Other _____</p>	

Action Plan Steps to Address CSEP Results

Please describe your plan for responding to the above data. Consider curriculum, pedagogy/instructional, scheduling, and marketing strategies. Also, please reference any cross district collaboration with the same discipline at other Peralta colleges.

10. ACTION PLAN -- Include overall plans/goals and specific action steps.

Program needs to hire a full time instructor to lead the Astronomy/Physics program. Twelve years ago the college went without a full time instructor. In those three years the number of students dropped significantly. Most went to Laney and COA which both have good full time instructors.

Use SLO Mapping to identify courses that overlap with program and work with certificate and vocational programs.

Offer more courses off campus at high schools and businesses.

Additional Planned Educational Activities

11. Health/safety/legal issues:

None

Student Learning Outcomes (SLOs)

2008/09

12. Have you completed Student Learning Outcomes (SLO's) for all your courses?

YES NO

12a. If you answered no to question 12 then, what percentage have you completed?

13. What are you assessing this year? Please attach your assessment results and action plan. List needed resources in Section III of Unit Plan.

course outcomes
 program outcomes
 institutional learning outcomes

BUDGET			
Budget Categories	Allocated 08/09	Expended 08/09	Requested 09/10
Fund 1			
Fund 14			
Fund 17	\$200	\$20.76	\$ 500
Measure A			
VTEA			
Total	\$200	\$20.76	\$ 500

ADDITIONAL REVENUE: GRANTS, PRIVATE SALES, AND DONATIONS			
Name of Grant/Donation/Sale	Awarded/Generated 08/09	% Expended 08/09	Comments

PERSONNEL NEEDS 09/10									
Personnel DATA	CD Enrl F2008	Tot FTES F2008	Contract FTEF F2008	Ext Srv FTEF F2008	Tmp FTEF F2008	Total FTEF F2008	Contract %	FT/PT	FTES /FTEF
		78	6.47	0.0	0.0	.40	.40	0%	
Comments									
<i>Current</i>				<i>If filled</i>	<i>If not filled</i>	<i># FTE (faculty assigned)</i>			
Full time Astronomy/Physics instructor									
<p><i>Narrative: Are PT faculty available? Can FT faculty be reassigned to this program? Implications if not filled</i></p> <p>Yes, no.</p> <p>Implications are that students will move to Laney or COA possibly causing a complete failure of those two disciplines at Merritt.</p>									
<p><i>Faculty Staff Requests 2010-2011:</i></p> <p>Full time Astronomy/Physics instructor</p>									

**FACULTY ETHNICITY
F2008**

Ethnicity	# of Contract	# of Adjunct	Total
Asian			
African American			
Filipino			
Hispanic/Latino			
Native American			
Other			
White		1	1
Unknown		1	1
Total		2	2

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**FACULTY GENDER
FALL 2008**

Gender	# of Contract	# of Adjunct	Total
Male			
Female		1	1
Not Supplied		1	1
Total		2	2

RESOURCE NEEDS

Equipment/Material/Supply/ Classified/Student Assistant Needs:

Please describe any needs in the above categories.

Facilities and equipment are fairly up-to-date. The new full time instructor will further evaluate the needs.

Facilities Needs (Items that should be included in our Facilities master Plan) for Measure A funding:

Please describe any facilities needs.

IV. ACADEMIC PERFORMANCE MEASURES AND EQUITY

Student Demographics: Ethnicity			
Ethnicity	Baseline Fall 04-07	Fall 08	College Average
Asian	16%	8%	16%
African American	35%	38%	36%
Filipino	3%	1%	3%
Hispanic/Latino	15%	12%	14%
Native American	1%	1%	1%
Other	1%	0%	2%
White	19%	17%	21%
Unknown	8%	23%	6%

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Student Demographics: Gender			
Gender	Baseline Fall 04-07	Astronomy Fall 08	College Average
Male	45%	38%	31%
Female	53%	54%	69%
Not Supplied	2%	8%	0%

Analysis
1. What are you doing to increase access? Nothing

Student Retention Rate: Ethnicity		
<i>Student who receive a grade and do not withdraw</i>		
Ethnicity	Baseline Fall 04-07	Fall 08
African American	61%	67% (30)
Asian	71%	67% (6)
Filipino	43%	100% (1)
Hispanic/Latino	77%	83% (12)
Native American	0%	0%
Other	50%	0%
White	66%	63% (16)
Unknown	70%	67% (9)
Astronomy Average	67%	69% (74)
College Retention Average :72%		

Student Retention Rate: Gender		
Gender	Baseline Fall 04-07	Fall 08
Female	68%	70% (40)
Male	67%	66% (29)
Not Supplied	43%	80% (5)

Analysis
1. If your disciplines retention rate is beneath the colleges rate, then why?
2. If your retention rate is below the college rate, then what are you doing to increase retention?
3. If your retention rate is above the college's rate do you have any best practices to share?

Student Course Completion Rate (SCCR):Ethnicity <i>Students who complete a course with grade A,B,C, or Credit</i>		
Ethnicity	Baseline Fall 04-07	Fall 08
Asian	65%	67% (30)
African American	46%	33% (60)
Filipino	29%	0% (1)
Hispanic/Latino	66%	67% (12)
Native American	0%	0%
Other	50%	0%
White	63%	50% (16)
Unknown	63%	56% (9)
Astronomy Average	57%	47% (74)
College Average: 60%		

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Student Successful Course Completion Rate (SCCR): Gender		
Gender	Baseline Fall 04-07	Fall 08
Male	59%	45% (40)
Female	56%	52% (29)
Not Supplied	29%	40% (5)

Analysis
1. If your disciplines successful course completion rate (SCCR) is beneath the college's rate, then why? Students think the class will be easy and are unprepared for a real science class.
2. If your sccr is below the college rate, then what are you doing to increase it? Tutoring students outside of class.
3. If your sccr is above the college's rate do you have any best practices to share?

Student Program/Discipline GPA by Ethnicity Astronomy		
Ethnicity	Astronomy Baseline Fall 04-07	Astronomy Fall 08
Asian	N/A	N/A
African American	N/A	N/A
Filipino	N/A	N/A
Hispanic/Latino	N/A	N/A
Native American	N/A	N/A
Other	N/A	N/A
White	N/A	N/A
Unknown	N/A	N/A
Overall GPA		

Student GPA by Gender Astronomy		
Gender	Astronomy Baseline Fall 03-07	Astronomy Fall 08
Male	N/A	N/A
Female	N/A	N/A
Not Supplied	N/A	N/A
Overall GPA	N/A	N/A

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