From:	Linda Amidon
To:	Jose Lopez
Cc:	Efrain Silva; Kathy Berry; Frances Arce-Gomez; Dawn Chun
Subject:	Comprehensive Program Review Data
Date:	Tuesday, November 10, 2009 10:41:00 AM
Attachments:	Updated Comprehensive Program Review Schedule.msg FW Comprehensive Pgm Review - ACR.msg FW Comprehensive Pgm Review - BLDC.msg

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Jose,

Attached is the data needed for the programs scheduled to conduct comprehensive program review this year, including the program review schedule.

Linda

From:	Tina Aguirre
To:	Efrain Silva; Linda Amidon
Subject:	FW: Comprehensive Pgm Review - ACR
Date:	Friday, November 06, 2009 5:04:35 PM
Attachments:	PgmRew0910_ACR_Success.xls PgmRew0910_ACR.doc PgmRew0910_ACR_Enrollment.xls PgmRew0910_ACR_Fillrate.xls PgmRew0910_ACR_FTEf.xls PgmRew0910_ACR_FTEs per FTEf.xls PgmRew0910_ACR_FTEs.xls PgmRew0910_ACR_Grade.xls PgmRew0910_ACR_NoofSections.xls PgmRew0910_ACR_Retention.xls Degree Awarded Master_summary.xls

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From: Dawn Chun
Sent: Friday, October 02, 2009 12:42 PM
To: Efrain Silva
Cc: Tina Aguirre; Kathy Berry
Subject: Comprehensive Pgm Review - ACR

Hi,

Please use the word document to start your Comprehensive Program Review. Data are listed on the word doc. and the Excel sheets are for you to analyze data. You can also get degree info from the "Degree Awarded Master Summary" attachment. Please contact me if you have questions. I will be off next week but I will be able to help you Oct. 12.

Dawn Chun

Part 2 – Comprehensive Program Review Fall 2009

Program Name: **Air Conditioning and Refrigeration Program**

A. PAST: Review of Program Performance, Objectives, and Outcomes for the Three Previous Academic Years: 2006-07, 2007-08, 2008-09

1. List the objectives developed for this program during the last comprehensive program review.

2. Present program performance data in tabular form for the previous three years that demonstrates the program's performance toward meeting the previous objectives. Include the following standard program performance metrics as well additional program specific metrics, if any.
   a. For teaching programs this data should include at least the following: Enrollment at census, number of sections, fill rate, retention rate, success rate, and grade distribution for each course in the program, during each semester and session of the previous three academic years. In addition, the Full Time Equivalent Faculty (FTEF) and Full Time Equivalent Students (FTES) and the ratio of FTES per FTEF should be presented for the program for each semester and session.
   b. For non teaching programs this data should include the following: TBD

Air Conditioning and Refrigeration Program
Enrollment Count at Census

Course	Fall				Spring				Summer				Winter				Grand Total
	2006	2007	2008	Total	2007	2008	2009	Total	2007	2008	2009	Total	2007	2008	2009	Total	
ACR 101		23	21	44	17	16	33	66									110
ACR 102	40	26		66			16	16							14	14	96
ACR 103		9	19	28	34	11	13	58	18			18	11			11	115
ACR 104	16	10	13	39	33	8		41									80
ACR 105	15		12	27	21			21		20		20					68
ACR 106			15	15	10	23	14	47									62

Total	71	68	80	219	115	58	76	249	18	20		38	11		14	25	531

Air Conditioning and Refrigeration Program
Number of Sections

Course	Fall				Spr.				Sum.				Win.				Grand Total
	2006	2007	2008	Total	2007	2008	2009	Total	2007	2008	2009	Total	2007	2008	2009	Total	
ACR 101		1	1	2	1	1	2	4									6
ACR 102	2	2		4			1	1							1	1	6
ACR 103		1	1	2	1	1	1	3	1			1	1			1	7
ACR 104	1	1	1	3	2	1		3									6
ACR 105	1		1	2	1			1		1		1					4
ACR 106			1	1	1	1	1	3									4
Total	4	5	5	14	6	4	5	15	1	1		2	1		1	2	33

Air Conditioning and Refrigeration Program
Fill Rate

Course	Fall				Spring				Summer				Winter				Grand Total
	2006	2007	2008	Total	2007	2008	2009	Total	2007	2008	2009	Total	2007	2008	2009	Total	
ACR 101		115%	105%	110%	85%	80%	83%	83%									92%
ACR 102	100%	65%		83%			80%	80%							70%	70%	80%
ACR 103		45%	95%	70%	170%	55%	65%	97%	90%			90%	55%			55%	82%
ACR 104	80%	50%	65%	65%	83%	40%		68%									67%
ACR 105	75%		60%	68%	105%			105%		100%		100%					85%
ACR 106			75%	75%	50%	115%	70%	78%									78%
Total	89%	68%	80%	78%	96%	73%	76%	83%	90%	100%		95%	55%		70%	63%	80%

Air Conditioning and Refrigeration Program
Student Success Rate

Course	Fall				Spring				Summer				Winter				3-Year Average
	2006	2007	2008	Avg.	2007	2008	2009	Avg.	2007	2008	2009	Avg.	2007	2008	2009	Avg.	
ACR101		78%	76%	77%	76%	56%	79%	71%									73%
ACR102	85%	85%		85%			81%	81%							86%	86%	84%
ACR103		56%	79%	67%	76%	64%	62%	67%	78%			78%	45%			45%	66%
ACR104	88%	80%	71%	80%	87%	75%		81%									80%
ACR105	80%		67%	73%	95%			95%		95%		95%					84%
ACR106			73%	73%	80%	78%	79%	79%									78%
Avg.	84%	75%	73%	76%	83%	68%	75%	76%	78%	95%		86%	45%		86%	66%	76%

Air Conditioning and Refrigeration Program
Student Retention Rate

Course	Fall				Spring				Summer				Winter				3-Yr. Average
	2006	2007	2008	Avg.	2007	2008	2009	Avg.	2007	2008	2009	Avg.	2007	2008	2009	Avg.	
ACR101		91%	95%	93%	88%	88%	82%	86%									89%
ACR102	95%	92%		94%			81%	81%							93%	93%	90%
ACR103		67%	95%	81%	100%	82%	69%	84%	78%			78%	82%			82%	82%
ACR104	88%	90%	93%	90%	90%	100%		95%									92%
ACR105	87%		92%	89%	95%			95%		95%		95%					92%
ACR106			87%	87%	90%	96%	86%	90%									90%
Avg.	90%	85%	92%	89%	93%	91%	80%	88%	78%	95%		86%	82%		93%	87%	88%

Grade Distribution

Term	Sem.	Year	Program	Course	A	B	C	CR	D	F	Other	W	Total	# Succeed	Success Rate	Retention Rate
200710	Fall	2006	ACR	ACR102	12	13	9		2	2		2	40	34	85.0%	95.0%
200710	Fall	2006	ACR	ACR104	4	9	1					2	16	14	87.5%	87.5%
200710	Fall	2006	ACR	ACR105	4	4	4			1		2	15	12	80.0%	86.7%
200715	Win.	2007	ACR	ACR103		3	2		1	3		2	11	5	45.5%	81.8%
200720	Spr.	2007	ACR	ACR101	1	9	3		1	1		2	17	13	76.5%	88.2%

200720	Spr.	2007	ACR	ACR103	6	2	5		1	3			17	13	76.5%	100.0%
200720	Spr.	2007	ACR	ACR104	1	12	14			1		3	31	27	87.1%	90.3%
200720	Spr.	2007	ACR	ACR105	10	5	5					1	21	20	95.2%	95.2%
200720	Spr.	2007	ACR	ACR106	2	4	2			1		1	10	8	80.0%	90.0%
200730	Sum.	2007	ACR	ACR103	2	8	4					4	18	14	77.8%	77.8%
200810	Fall	2007	ACR	ACR101	7	9	2			3		2	23	18	78.3%	91.3%
200810	Fall	2007	ACR	ACR102	3	11	8		1	1		2	26	22	84.6%	92.3%
200810	Fall	2007	ACR	ACR103		4	1			1		3	9	5	55.6%	66.7%
200810	Fall	2007	ACR	ACR104	2	4	2		1			1	10	8	80.0%	90.0%
200820	Spr.	2008	ACR	ACR101	4	2	3			5		2	16	9	56.3%	87.5%
200820	Spr.	2008	ACR	ACR103	4	1	2		1	1		2	11	7	63.6%	81.8%
200820	Spr.	2008	ACR	ACR104	3	1	2		1	1			8	6	75.0%	100.0%
200820	Spr.	2008	ACR	ACR106	5	8	5			4		1	23	18	78.3%	95.7%
200830	Sum.	2008	ACR	ACR105	8	7	4					1	20	19	95.0%	95.0%
200910	Fall	2008	ACR	ACR101	3	6	7		2	2		1	21	16	76.2%	95.2%
200910	Fall	2008	ACR	ACR103	6	1	8		2	1		1	19	15	78.9%	94.7%
200910	Fall	2008	ACR	ACR104	3	3	4		3			1	14	10	71.4%	92.9%
200910	Fall	2008	ACR	ACR105	2	4	2		2	1		1	12	8	66.7%	91.7%
200910	Fall	2008	ACR	ACR106	3	4	4		2			2	15	11	73.3%	86.7%
200915	Win.	2009	ACR	ACR102	7	2	3		1			1	14	12	85.7%	92.9%
200920	Spr.	2009	ACR	ACR101	5	7	14				1	6	33	26	78.8%	81.8%
200920	Spr.	2009	ACR	ACR102	3	7	3					3	16	13	81.3%	81.3%
200920	Spr.	2009	ACR	ACR103			8		1			4	13	8	61.5%	69.2%
200920	Spr.	2009	ACR	ACR106	7	2	2		1			2	14	11	78.6%	85.7%
					117	152	133	0	23	32	1	55	513	402		

Air Conditioning and Refrigeration Program
Full Time Equivalent Student (FTEs)

Course	Fall				Spring				Summer				Winter				Grand Total
	2006	2007	2008	Total	2007	2008	2009	Total	2007	2008	2009	Total	2007	2008	2009	Total	
ACR 101		3.8	3.5	7.2	2.8	2.6	5.4	10.9									18.1
ACR 102	6.6	4.3		10.9			2.4	2.4							2.5	2.5	15.8

ACR 103		1.4	3.1	4.5	2.6	1.7	2.1	6.4	3.5			3.5	1.9			1.9	16.3
ACR 104	2.6	1.6	2.1	6.4	5.4	1.3		6.7									13.2
ACR 105	0.9		0.7	1.6	1.3			1.3		1.4		1.4					4.3
ACR 106			2.3	2.3	1.5	3.8	2.3	7.6									9.9
Total	10.1	11.1	11.7	33.0	13.6	9.4	12.3	35.3	3.5	1.4		4.8	1.9		2.5	4.4	77.5

Air Conditioning and Refrigeration Program
Full Time Equivalent Faculty (FTEf)

Course	Fall				Spring				Summer				Winter				Grand Total
	2006	2007	2008	Total	2007	2008	2009	Total	2007	2008	2009	Total	2007	2008	2009	Total	
ACR 101		0.3	0.3	0.7	0.3	0.3	0.7	1.3									2.0
ACR 102	0.7	0.7		1.3			0.3	0.3							0.3	0.3	2.0
ACR 103		0.3	0.3	0.7	0.3	0.3	0.3	1.0	0.3			0.3	0.3			0.3	2.3
ACR 104	0.3	0.3	0.3	1.0	0.7	0.3		1.0									2.0
ACR 105	0.1		0.1	0.3	0.1			0.1		0.1		0.1					0.5
ACR 106			0.3	0.3	0.3	0.3	0.3	1.0									1.3
Total	1.1	1.7	1.5	4.3	1.8	1.3	1.7	4.8	0.3	0.1		0.5	0.3		0.3	0.7	10.2

Air Conditioning and Refrigeration Program
FTEs per FTEf

Course	Fall				Spring				Summer				Winter				Overall Avg.
	2006	2007	2008	Avg.	2007	2008	2009	Avg.	2007	2008	2009	Avg.	2007	2008	2009	Avg.	
ACR 101		11.4	10.4	10.9	8.4	7.9	8.1	8.1									9.1
ACR 102	9.9	6.4		8.1			7.3	7.3							7.4	7.4	7.9
ACR 103		4.1	9.4	6.8	7.8	5.0	6.4	6.4	10.4			10.4	5.8			5.8	7.0
ACR 104	7.9	4.9	6.4	6.4	8.1	3.9		6.7									6.6

ACR 105	6.9		5.5	6.2	9.6			9.6		10.3		10.3					8.1
ACR 106			6.8	6.8	4.6	11.4	6.9	7.6									7.4
Avg.	8.9	6.6	8.0	7.7	7.6	7.1	7.4	7.4	10.4	10.3		10.4	5.8		7.4	6.6	7.6

3. Present student learning or service area outcomes data that demonstrate the program's continuous educational and/or service quality improvement. Include the following standard information and metrics as well as additional program specific metrics, if any.

   List the program level outcomes, goals or objectives and show how these support the Institutional Student Learning Outcomes. Identify the method(s) of assessment used for each of the program level outcomes. Provide a summary of the outcome data for the program, including course and program level data as appropriate.

4. Analyze the data presented visually (graphs, diagrams, etc.) and verbally (text) as appropriate, present any trends, anomalies, and conclusions. Explain the program's success or failure in meeting the objectives presented above in item one. Explain the ways that the program utilized the student learning or service area outcome data presented in item three to improve the program (changes to curriculum, instructional methodology, support services, etc.)

B. PRESENT: Snapshot of the State of the Program in the Current Semester: Fall 2009

1. Give a verbal description of the program as it exists at the present time. Include information on current staffing levels, current student enrollments, student learning or service are outcome implementation, number of majors, and/or other data as appropriate.

2. Verbally describe any outside factors that are currently affecting the program. (For example: changes in job market, changing technologies, changes in transfer destinations, etc.)

3. List any significant issues or problems that the program is immediately facing.

C. FUTURE: Program Objectives for the Next Three Academic Years: 2009-10, 2010-11, 2011-12

1. Identify the program objectives for the next three academic years, making sure these objectives are consistent with the college's Educational Master Plan goals. Include how accomplishment is to be identified or measured and identify the planned completion dates. If any objectives are anticipated to extend beyond this three-year period, identify how much is to be accomplished by the end of this review period and performance measures.

2. Identify how student learning or service area outcomes will be expanded and fully implemented into the program. Include a progress timeline for implementation and program improvement.

3. Identify any resources needed to accomplish these objectives. Identify any obstacles toward accomplishment and the plan to surmount these obstacles.

4. Identify any outside factors that might influence your program during the next three years.