From: Tina Aguirre
To: Linda Amidon
Subject: FW: Comprehensive Program Review - Fire Sci.
Date: Tuesday, November 10, 2009 11:57:40 AM
Attachments: PgmRew0910_Fire_Success.xls
PgmRew0910_Fire.doc
PgmRew0910_Fire_Enrollment.xls
PgmRew0910_Fire_Fillrate.xls
PgmRew0910_Fire_FTEf.xls
PgmRew0910_Fire_FTEs per FTEf.xls
PgmRew0910_Fire_FTEs.xls
PgmRew0910_Fire_Grade.xls
PgmRew0910_Fire_NoofSections.xls
PgmRew0910_Fire_Retention.xls
Degree Awarded Master_summary.xls

Linda
I never received data for EPOS or the other ones; she must have sent that to Victor
tina

From: Dawn Chun
Sent: Friday, October 02, 2009 12:57 PM
To: Tina Aguirre
Cc: Kathy Berry
Subject: Comprehensive Program Review - Fire Sci.

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 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: **Fire Science 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

Fire Science 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	
FIRE 100	11	17	18	46	10	16	17	43									89
FIRE 101					11	14	8	33									33
FIRE 102					11	14	14	39									39
FIRE 103	17	14	15	46													46
FIRE 104	10	6	18	34													34
FIRE 105	0	10	8	18	4	13	7	24									42

FIRE 107					4	0	2	6	0	0		0					6
FIRE 120	17	20	21	58													58
FIRE 121					21	16	13	50									50
FIRE 122													19	16	17	52	52
FIRE 130	21	14	15	50													50
FIRE 131					16	13	12	41									41
FIRE 200							16	16									16
FIRE 202									15			15					15
FIRE 203														16		16	16
FIRE 204	9	14		23											16	16	39
FIRE 205							29	29									29
FIRE 206							26	26									26
FIRE 207		15		15													15
FIRE 208		21		21													21
FIRE 209					10			10									10
FIRE 210					8			8									8
FIRE 211					23			23									23
Total	85	131	95	311	118	86	144	348	15	0		15	19	32	33	84	758

Fire Science 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	

FIRE 100	1	1	1	3	1	1	1	3									6
FIRE 101					1	1	1	3									3
FIRE 102					1	1	1	3									3
FIRE 103	1	1	1	3													3
FIRE 104	1	1	1	3													3
FIRE 120	1	1	1	3													3
FIRE 121					1	1	1	3									3
FIRE 122													1	1	1	3	3
FIRE 130	1	1	1	3													3
FIRE 131					1	1	1	3									3
FIRE 200							1	1									1
FIRE 202									1			1					1
FIRE 203														1		1	1
FIRE 204	1	1		2											1	1	3
FIRE 205							1	1									1
FIRE 206							1	1									1
FIRE 207		1		1													1
FIRE 208		1		1													1
FIRE 209					1			1									1
FIRE 210					1			1									1
Total	6	8	5	19	7	5	8	20	1			1	1	2	2	5	45

Fire Science 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	
FIRE 100	55%	85%	90%	77%	50%	80%	85%	72%									74%
FIRE 101					55%	70%	40%	55%									55%
FIRE 102					55%	70%	70%	65%									65%
FIRE 103	85%	70%	75%	77%													77%
FIRE 104	50%	30%	90%	57%													57%
FIRE 120	85%	100%	105%	97%													97%
FIRE 121					105%	80%	65%	83%									83%
FIRE 122													95%	80%	85%	87%	87%
FIRE 130	####	70%	75%	83%													83%
FIRE 131					80%	65%	60%	68%									68%
FIRE 200							80%	80%									80%
FIRE 202									75%			75%					75%
FIRE 203														80%		80%	80%
FIRE 204	45%	70%		58%											80%	80%	65%
FIRE 205							145%	145%									145%
FIRE 206							130%	130%									130%
FIRE 207		75%		75%													75%
FIRE 208		105%		105%													105%

FIRE 209					50%			50%									50%
FIRE 210					40%			40%									40%

Fire Science 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.	
FIRE100	91%	86%	33%	70%	50%	38%	41%	43%									56%
FIRE101					36%	86%	38%	53%									53%
FIRE102					82%	64%	29%	58%									58%
FIRE103	65%	86%	87%	79%													79%
FIRE104	40%	67%	44%	50%													50%
FIRE105		40%	63%	51%	25%	62%	29%	38%									44%
FIRE107					50%		100%	75%									75%
FIRE120	71%	100%	76%	82%													82%
FIRE121					81%	81%	62%	75%									75%
FIRE122													84%	81%	88%	85%	85%
FIRE130	76%	100%	88%	88%													88%
FIRE131					94%	100%	92%	95%									95%
FIRE200							100%	100%									100%
FIRE202									100%			100%					100%
FIRE203														100%		100%	100%
FIRE204	78%	100%		89%											100%	100%	93%
FIRE205							100%	100%									100%
FIRE206							100%	100%									100%
FIRE207		100%		100%													100%
FIRE208		100%		100%													100%
FIRE209					90%			90%									90%
FIRE210					100%			100%									100%
FIRE211					100%			100%									100%
Avg.	70%	86%	65%	76%	71%	72%	69%	70%	100%			100%	84%	91%	94%	91%	75%

Fire Science 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.	
FIRE100	91%	100%	67%	86%	70%	63%	71%	68%									77%
FIRE101					82%	100%	63%	81%									81%
FIRE102					82%	86%	50%	73%									73%
FIRE103	71%	86%	87%	81%													81%
FIRE104	90%	100%	78%	89%													89%
FIRE105		70%	63%	66%	100%	92%	57%	83%									76%
FIRE107					100%		100%	100%									100%
FIRE120	####	100%	90%	97%													97%
FIRE121					86%	94%	85%	88%									88%
FIRE122													100%	94%	94%	96%	96%
FIRE130	81%	100%	88%	89%													89%
FIRE131					100%	100%	100%	100%									100%
FIRE200							100%	100%									100%
FIRE202									100%			100%					100%
FIRE203														100%		100%	100%
FIRE204	89%	100%		94%											100%	100%	96%
FIRE205							100%	100%									100%
FIRE206							100%	100%									100%
FIRE207		100%		100%													100%
FIRE208		100%		100%													100%
FIRE209					100%			100%									100%
FIRE210					100%			100%									100%
FIRE211					100%			100%									100%
Avg.	87%	95%	79%	88%	92%	89%	82%	88%	100%			100%	100%	97%	97%	98%	89%

Grade Distribution

Term	Sem.	Year	Program	Course	A	B	C	CR	D	F	Other	W	Total	# Succeed	Success Rate	Retention Rate

200710	Fall	2006	FIRE	FIRE100	3	5	2					1	11	10	90.9%	90.9%
200710	Fall	2006	FIRE	FIRE103	4	6	1		1			5	17	11	64.7%	70.6%
200710	Fall	2006	FIRE	FIRE104		2	2		1	4		1	10	4	40.0%	90.0%
200710	Fall	2006	FIRE	FIRE120		7	5		2	3			17	12	70.6%	100.0%
200710	Fall	2006	FIRE	FIRE130		9	7		1			4	21	16	76.2%	81.0%
200710	Fall	2006	FIRE	FIRE204		6	1			1		1	9	7	77.8%	88.9%
200715	Win.	2007	FIRE	FIRE122	7	4	5		1	2			19	16	84.2%	100.0%
200720	Spr.	2007	FIRE	FIRE100	4		1			2		3	10	5	50.0%	70.0%
200720	Spr.	2007	FIRE	FIRE101	1	3			1	4		2	11	4	36.4%	81.8%
200720	Spr.	2007	FIRE	FIRE102	2	3	4					2	11	9	81.8%	81.8%
200720	Spr.	2007	FIRE	FIRE105			1			2	1		4	1	25.0%	100.0%
200720	Spr.	2007	FIRE	FIRE107	1					1			2	1	50.0%	100.0%
200720	Spr.	2007	FIRE	FIRE121	8	8	1			1		3	21	17	81.0%	85.7%
200720	Spr.	2007	FIRE	FIRE131		4	11		1				16	15	93.8%	100.0%
200720	Spr.	2007	FIRE	FIRE209		7	2			1			10	9	90.0%	100.0%
200720	Spr.	2007	FIRE	FIRE210	1	6	1						8	8	100.0%	100.0%
200720	Spr.	2007	FIRE	FIRE211	22								22	22	100.0%	100.0%
200730	Sum.	2007	FIRE	FIRE202	14								14	14	100.0%	100.0%
200810	Fall	2007	FIRE	FIRE100	4	4	4		2				14	12	85.7%	100.0%
200810	Fall	2007	FIRE	FIRE103	4	2	6					2	14	12	85.7%	85.7%
200810	Fall	2007	FIRE	FIRE104	2	1	1			2			6	4	66.7%	100.0%
200810	Fall	2007	FIRE	FIRE105		1	3			3		3	10	4	40.0%	70.0%
200810	Fall	2007	FIRE	FIRE120	2	12	6						20	20	100.0%	100.0%
200810	Fall	2007	FIRE	FIRE130	1	11	2						14	14	100.0%	100.0%
200810	Fall	2007	FIRE	FIRE204	4	9	1						14	14	100.0%	100.0%
200810	Fall	2007	FIRE	FIRE207	15								15	15	100.0%	100.0%
200810	Fall	2007	FIRE	FIRE208	21								21	21	100.0%	100.0%
200815	Win.	2008	FIRE	FIRE122	6	5	2		1	1		1	16	13	81.3%	93.8%
200815	Win.	2008	FIRE	FIRE203	15	1							16	16	100.0%	100.0%
200820	Spr.	2008	FIRE	FIRE100		6			1	3		6	16	6	37.5%	62.5%
200820	Spr.	2008	FIRE	FIRE101	5	2	5			2			14	12	85.7%	100.0%
200820	Spr.	2008	FIRE	FIRE102	6	3			3			2	14	9	64.3%	85.7%

200820	Spr.	2008	FIRE	FIRE105	3	3	2			4		1	13	8	61.5%	92.3%
200820	Spr.	2008	FIRE	FIRE121	1	6	6		1	1		1	16	13	81.3%	93.8%
200820	Spr.	2008	FIRE	FIRE131		5	8						13	13	100.0%	100.0%
200910	Fall	2008	FIRE	FIRE100		1	5		4	2		6	18	6	33.3%	66.7%
200910	Fall	2008	FIRE	FIRE103	3	3	7					2	15	13	86.7%	86.7%
200910	Fall	2008	FIRE	FIRE104	1	3	4		4	2		4	18	8	44.4%	77.8%
200910	Fall	2008	FIRE	FIRE105		5						3	8	5	62.5%	62.5%
200910	Fall	2008	FIRE	FIRE120	3	12	1		1	2		2	21	16	76.2%	90.5%
200910	Fall	2008	FIRE	FIRE130		7	7					2	16	14	87.5%	87.5%
200915	Win.	2009	FIRE	FIRE122		11	4		1			1	17	15	88.2%	94.1%
200915	Win.	2009	FIRE	FIRE204	5	8	1						14	14	100.0%	100.0%
200920	Spr.	2009	FIRE	FIRE100		3	4		2	3		5	17	7	41.2%	70.6%
200920	Spr.	2009	FIRE	FIRE101	2	1				2		3	8	3	37.5%	62.5%
200920	Spr.	2009	FIRE	FIRE102	3		1		3			7	14	4	28.6%	50.0%
200920	Spr.	2009	FIRE	FIRE105		1	1			2		3	7	2	28.6%	57.1%
200920	Spr.	2009	FIRE	FIRE107	1								1	1	100.0%	100.0%
200920	Spr.	2009	FIRE	FIRE121	2	5	1		3			2	13	8	61.5%	84.6%
200920	Spr.	2009	FIRE	FIRE131	2	6	3			1			12	11	91.7%	100.0%
200920	Spr.	2009	FIRE	FIRE200	13	1							14	14	100.0%	100.0%
200920	Spr.	2009	FIRE	FIRE205	28	1							29	29	100.0%	100.0%
200920	Spr.	2009	FIRE	FIRE206	24								24	24	100.0%	100.0%
					243	209	129		34	51	1	78	745	581		

Fire Science 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	
FIRE 100	1.1	1.8	1.9	4.8	1.0	1.7	1.8	4.5									9.2
FIRE 101					1.1	1.5	0.3	2.9									2.9
FIRE 102					1.1	1.5	1.5	4.0									4.0
FIRE 103	1.8	1.5	1.6	4.8													4.8

FIRE 104	1.0	0.6	1.9	3.5													3.5
FIRE 105	0.0	0.0	0.0	0.0	0.0	0.0		0.0									0.0
FIRE 107					0.0	0.0		0.0	0.0	0.0		0.0					0.0
FIRE 120	1.1	2.0	2.0	5.1													5.1
FIRE 121					1.7	0.3	0.7	2.6									2.6
FIRE 122													0.3	0.2	0.2	0.8	0.8
FIRE 130	5.4	5.2	3.3	13.9													13.9
FIRE 131					4.2	2.7	7.5	14.4									14.4
FIRE 200							1.0	1.0									1.0
FIRE 202									0.9			0.9					0.9
FIRE 203														1.1		1.1	1.1
FIRE 204	0.4	1.2		1.5											1.0	1.0	2.5
FIRE 205							1.3	1.3									1.3
FIRE 206							1.2	1.2									1.2
FIRE 207		2.1		2.1													2.1
FIRE 208		4.3		4.3													4.3
FIRE 209					0.9			0.9									0.9
FIRE 210					0.7			0.7									0.7
FIRE 211					2.0			2.0									2.0
Total	10.8	18.6	10.6	40.0	12.7	7.5	15.2	35.4	0.9	0.0		0.9	0.3	1.3	1.2	2.9	79.2

Fire Science 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	
FIRE 100	0.2	0.2	0.2	0.6	0.2	0.2	0.2	0.6									1.2
FIRE 101					0.2	0.2	0.2	0.6									0.6
FIRE 102					0.2	0.2	0.2	0.6									0.6
FIRE 103	0.2	0.2	0.2	0.6													0.6
FIRE 104	0.2	0.2	0.2	0.6													0.6
FIRE 120	0.2	0.2	0.2	0.6													0.6
FIRE 121					0.1	0.1	0.1	0.2									0.2
FIRE 122													0.0	0.0	0.0	0.1	0.1
FIRE 130	0.5	0.5	0.5	1.4													1.4
FIRE 131					0.5	0.5	0.5	1.4									1.4
FIRE 200							0.1	0.1									0.1
FIRE 202									0.1			0.1					0.1
FIRE 203														0.1		0.1	0.1
FIRE 204	0.1	0.1		0.3											0.1	0.1	0.4
FIRE 205							0.1	0.1									0.1
FIRE 206							0.1	0.1									0.1
FIRE 207		0.1		0.1													0.1
FIRE 208		0.1		0.1													0.1
FIRE 209					0.1			0.1									0.1
FIRE 210					0.1			0.1									0.1

Total	1.4	1.7	1.3	4.4	1.4	1.1	1.5	4.0	0.1			0.1	0.0	0.2	0.2	0.4	8.9

Fire Science 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.	
FIRE 100	5.7	8.8	9.3	7.9	5.2	8.3	8.8	7.4									7.7
FIRE 101					5.7	7.3	1.6	4.9									4.9
FIRE 102					5.7	7.3	7.3	6.7									6.7
FIRE 103	8.8	7.3	7.8	7.9													7.9
FIRE 104	5.2	3.1	9.3	5.9													5.9
FIRE 120	5.6	9.9	10.1	8.5													8.5
FIRE 121					25.1	4.7	9.9	13.2									13.2
FIRE 122													10.0	7.4	7.3	8.2	8.2
FIRE 130	11.2	10.8	6.9	9.7													9.7
FIRE 131					9.1	5.8	16.3	10.4									10.4
FIRE 200							7.3	7.3									7.3
FIRE 202									6.9			6.9					6.9
FIRE 203														8.0		8.0	8.0
FIRE 204	2.8	8.6		5.7											7.3	7.3	6.2
FIRE 205							9.9	9.9									9.9
FIRE 206							8.9	8.9									8.9
FIRE 207		15.4		15.4													15.4
FIRE 208		32.4		32.4													32.4

FIRE 209					6.4			6.4									6.4
FIRE 210					5.1			5.1									5.1
FIRE 211																	
Avg.	7.6	11.0	8.3	9.1	9.1	6.7	10.0	8.8	6.9			6.9	10.0	7.9	7.3	7.8	8.9

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.