

**IMPERIAL VALLEY COLLEGE  
PROGRAM REVIEW COMPLIANCE FORM AND REQUEST FOR RESOURCES**

DEPARTMENT NAH - Pharm Tech.

ACADEMIC YR. 1213

Comprehensive Program Review

Annual Assessment

Request for Resources (check all that apply)

For your Program Review data as well as your SLO/SAO assessment findings in order to update to your Comprehensive Program Review. All changes to area needs and subsequent requests for additional resources must be reported at this time.

If your program is scheduled for a Comprehensive Program Review all forms are to be completed and submitted to the appropriate Dean/VP. If only an annual Program Review Assessment only and have no changes to area needs, sign below and submit this form to appropriate Dean/VP. If changes are needed as a result of your annual assessment of program review data, please complete the appropriate Request for Resource Form and submit to appropriate Dean/VP.

Susan Cameron 2-28-13  
Program Chair/Director Date

J. Aguirre  
Signature of Area Dean

[Signature] 2-28-13  
Area Vice President Date

- Attach the following documents to this Program Review Compliance form if you are requesting additional resources:
- Comprehensive Program Review
  - Request for Resources Form
  - Annual Assessments
  - Request for Resources Forms

**Academic Program Evaluation – Pharmacy Technician  
Division – Health and Sciences  
Department – Nursing and Allied Health**

**Pharmacy Technician Courses:**

TERM	Enrollment	Fill Rate	# of Sections	Mass Cap	Avg. Class Cap	Avg. Class Size	FTES	FTEF	PRODUCTIVITY (FTES/FTEF)	Completion Rate	Success Rate
Fall 2009	319	120.38%	12	265	22.08	26.58	48.1	3.79	12.69	87%	73%
Spring 2010	332	120.73%	13	275	21.15	25.54	47.94	3.66	13.1	88%	78%
Fall 2010	337	129.62%	12	260	21.67	28.08	46.4	3.59	12.92	90%	77%
Spring 2011	315	118.87%	13	265	20.38	24.23	47.14	3.99	11.81	93%	82%
Fall 2011	315	116.67%	11	270	24.55	28.64	37.35	2.53	14.76	92%	83%
Spring 2012	286	105.15%	11	272	24.73	26	38.77	3.03	12.8	94%	85%
% Change Fall Semesters 09 - 11	-1.25%	-3.08%	-8.33%	1.89%	11.19%	7.75%	-22.35%	-33.25%	16.31%	6%	14%
% Change Spring Semesters 10 - 12	-13.86%	-12.90%	-15.38%	-1.09%	16.93%	1.80%	-19.13%	-17.21%	-2.29%	7%	9%

This is a 6 course program where courses do not need to be taken in sequence except that AHP108, 125 and 140 require the pre-requisite of AHP 100. This is a part-time program offered in evenings. Course completion rates have ranged from 87% to 94%, but success rates have been less- 73% to 85%, with the trend being higher. Students who complete all courses are eligible to obtain state Licensure through the California Board of Pharmacy. Graduates are also eligible to apply for National Certification through the Pharmacy Technician Certification Board.

**PROGRAM COMPLETION**

The current instructor has been there since spring 2012. She anticipates that over 20 students will complete coursework for the Certificate in Spring 2013.

Number of certificates completed Between Fall 2009 and Spring 2012	Number of Associate Degrees Completed Between Fall 2009 and Spring 2012
4	5

### PHARMACY TECHNICIAN DEGREE PROGRAMS

**A.S. DEGREE:**

AHP 100, 108, 120 125, 130, 140

**Certificate Program:**

AHP 100, 108, 120, 125, 130, 140

#### PHARMACY TECHNICIAN DEGREE COURSES – ENROLLMENT, FILL RATES & WAIT LISTS

Course	Course Cap	ENROLLMENT - # OF SECTIONS						Fill Rate						Wait Lists 1/8/2013
		F09	S 10	F 10	S 11	F 11	S 12	F09	S 10	F 10	S 11	F 11	S 12	
AHP 100	30	130 - 4	143 - 4	130 - 3	153 - 4	173 - 5	139 - 4	144.44%	119.17%	144.44%	127.50%	144.17%	115.83%	30
AHP 108	20			28 - 1		25 - 1				140%		125%		
AHP 120	20	26 - 1		16 - 1		14 - 1		130%		80%		70%		
AHP 125	20		23 - 1		14 - 1		14 - 1		115%		70%		70%	4
AHP 130	20		23 - 1	23 - 1		21 - 1			115%	115%		105%		
AHP 140	20	23 - 1			15 - 1		14 - 1	115%			75%		70%	3

Some variability in enrollment has been due to a changeover in instructors. Instructor reports higher enrollments in spring 2013.

#### PHARMACY TECHNICIAN DEGREE COURSES – PRODUCTIVITY (FTES/FTEF)

Course	FTES						FTES						FTES					
	F09	S 10	F 10	S 11	F 11	S 12	F09	S 10	F 10	S 11	F 11	S 12	F09	S 10	F 10	S 11	F 11	S 12
AHP 100	13.37	14.71	13.37	15.72	17.80	14.31	0.8	0.80	0.80	0.80	1.00	0.80	16.71	18.39	16.71	19.65	17.8	17.9
AHP 108			1.92		1.71				0.13		0.13				14.77		13.15	
AHP 120	2.67		1.65		1.44		0.2		0.2		0.2		13.35		8.25		7.2	
AHP 125		2.37		1.44		1.44		0.2		0.2		0.2		11.85		7.2		7.2
AHP 130		2.37	2.37		2.16			0.2	0.2		0.2			11.85	11.85		10.8	
AHP 140	5.13			3.34		3.12	0.3			0.3		0.3	17.1			11.13		10.4

Class sizes are smaller as classes include hands on lab experiences.

**PHARMACY TECHNICIAN DEGREE COURSES - COMPLETION & SUCCESS RATES**

Course	Completion Rate						Success Rate					
	F09	S 10	F 10	S 11	F 11	S 12	F09	S 10	F 10	S 11	F 11	S 12
AHP 100	78%	80%	85%	90%	93%	91%	52%	66%	70%	71%	81%	78%
AHP 108					88%						84%	
AHP 120	77%		94%		71%		69%		81%		64%	
AHP 125		91%		100%		100%		57%		93%		79%
AHP 130		87%	78%		95%			70%	61%		76%	
AHP 140	78%			93%		100%	74%			93%		93%

<b>Recent Enrollment Demand:</b> <input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low _____
<b>Projection for Future Demand :</b> <input type="checkbox"/> Growing <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Declining _____
<b>Opportunity Analysis:</b> (Successes, new curriculum development, alternative delivery mechanisms, interdisciplinary strategies, etc.)  The current instructor is working to increase the rigor of the courses and is also making aggressive efforts to encourage students completing their final course (usually AHP140) to seek Licensure from the state (application but no exam) and National Certification (application and exam). She would like to develop an externship for students which should help with their employment prospects. Program needs a graduate follow-up process to assess numbers employed, Licensed.

### Student Learning Outcomes and Program Learning Outcomes

**Student Learning Outcomes Assessment** –Faculty has been trained and is completing SLO assessments on schedule/

#	Course Title	Units	F 10 - Crs SLOs	S 11 - Crs SLOs	F 11 Crs SLOs	S 12 Crs SLOs	F 12 Crs SLOs	S 13 - Crs SLOs
108	Intro to Pharmacy Technology	2	0		1,2		2	
120	Pharmacy Tech Body Sys I	3	0		1,2,3		1	
125	Pharmacy Tech Body Sys II	3		1,2,3		0		TBA
130	Calc & Pharm, Pharmacy Techs	3	0		1,2,3		2	
140	Pharmacy Tech Operations	4.5		1,2,3,4,5		0		TBA

#### Program Learning Outcomes Assessment

- **Outcome 1:** Demonstrate knowledge of accurate calculations for oral and parenteral dosages as evidenced by exams in AHP 130
- **Outcome 2:** Demonstrate knowledge of accurate medication compounding and identification of patients that need to be counseled by a licensed pharmacist as evidenced by exams and/or reports in AHP 140
- **Outcome 3:** Demonstrate knowledge of legal requirements related to the pharmacy technician role as evidenced by exams and/or reports in AHP 108

#### Success Rate of Student Learning Outcomes:

Course success rates range from 71% to 93%, which are good indicators of meeting the SLOs.

#### Success Rate of Program Learning Outcomes:

- PLO#1- AHP 130 has 76% success. Plans to implement course/instructional changes to increase success rate.
- PLO#2 -AHP 140 has 93% success rate
- PLO#-3- AHP 108 has 84% success rate. Future plans to revise PLO to reflect number of graduates obtaining State Licensure.

### **Future Goals of Program**

1. Conduct Graduate Follow-up to assess employment and State Licensure
2. Develop an externship experience for students in local pharmacies

### **Resource Requests**

Any Identified Needs: Staffing, Technology, Budget/Planning, Facilities, Professional Development, Marketing

1. **Facilities:** Storage is at a critical point. Instructional items stored in a classroom that is not always available to the Pharm Tech instructors or students
2. **Technology:** Continue to replace aging computers and equipment such as the Pyxis used for medication management
3. **Budget:** Additional supplies for compounding, labeling, and storing simulated medication.
4. **Marketing:** Need assistance in informing students of the program.