

IMPERIAL VALLEY COLLEGE
PROGRAM REVIEW COMPLIANCE FORM AND REQUEST FOR RESOURCES

DEPARTMENT SME - AgSci

ACADEMIC YR. 1273

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 you are scheduled for a Comprehensive Program Review all forms are to be completed and submitted to the appropriate Dean/VP. If you are only submitting an annual Program Review Assessment only and have no changes to area needs, sign below and submit this form to appropriate Dean/VP. If you have been changed 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.

[Signature] 3/1/13
Program Chair/Director Date

[Signature]
Signature of Area Dean

[Signature] 3-1-13
Area Vice President Date

Attach the following documents to this Program Review Compliance form if you are requesting additional resources:

- Comprehensive Program Review
- Assessment Form
- Assessments
- Resources Forms

**Academic Program Evaluation – Agriculture Science
Division – H & S
Department - Science**

Agriculture Courses

TERM	Enrollment	Fill Rate	of Section	Mass Cap	Avg. Class Cap	Avg. Class Size	FTES	FTEF	PRODUCTIVITY	COMPLETION RATE	SUCCESS RATE
Fall 2009	343	86.84%	14	395	28.21	24.5	39	3.39	11.5	88%	66%
Spring 2010	338	86.01%	13	393	30.23	26	37.27	2.8	13.31	88%	65%
Fall 2010	371	96.87%	13	383	29.46	28.54	42.68	2.93	14.57	89%	70%
Spring 2011	343	91.47%	12	375	31.25	28.58	33.58	2.27	14.79	85%	62%
Fall 2011	334	106.03%	11	315	28.64	30.36	37.56	2.46	15.27	95%	75%
Spring 2012	272	92.20%	10	295	29.5	27.2	30.72	2.26	13.59	88%	61%
% Change Fall Semesters 09 - 11	-2.62%	22.10%	-21.43%	-20.25%	1.52%	23.92%	-3.69%	-27.43%	32.78%	7.95%	13.64%
% Change Spring Semesters 10 - 12	-19.53%	7.20%	-23.08%	-24.94%	-2.41%	4.62%	-17.57%	-19.29%	2.10%	0%	-6%

PROGRAM COMPLETION

Number of certificates completed Between Fall 2009 and Spring 2012	Number of Associate Degrees Completed Between Fall 2009 and Spring 2012
0	6

AGRICULTURE SCIENCE COURSES - ASSOCIATE DEGREE & CERTIFICATE

Associate Degree

Required Courses: AG 120, 140, 170, CHEM 100

Select a Minimum of 12 units: AG 080, 138, 160, 220, 230, 240, 250, 260, 270, CIS 101

Certificate Program

Required Courses: AG 080, 120, 140, 170, 230, 240, 250, 270

Select a Minimum of 3 units: AG 138, 160, 220, 260

AGRICULTURE SCIENCE COURSES - ENROLLMENT, FILL RATES & WAIT LISTS

COURSES	Course Cap	Enrollment - # Sections						Fill Rate						Wait List 1/8/2013
		F 09	S 10	F 10	S 11	F 11	S 12	F 09	S 10	F 10	S 11	F 11	S 12	S 13
AG 080	35		10 - 1		25 - 1				28.57%		71.43%			
AG 120	25	17 - 1				23 - 1		70.83%					92.00%	
AG 138	25	13 - 1				24 - 1		54.17%					96.00%	
AG 140	25	11 - 1		34 - 1				45.83%		141.67%				
AG 160	35			32 - 1						91.43%				
AG 170	25		30 - 1	15 - 1			25 - 1	125.00%	62.50%				100.00%	
AG 220	25	8 - 1					15 - 1	33.33%					60.00%	
AG 230	35		18 - 1		23 - 1				51.43%		65.71%			
AG 240	25		11 - 1						45.83%					
AG 250	35	12 - 1			37 - 1			34.29%			105.71%			
AG 260	25	24 - 1				31 - 1		100.00%					124.00%	
AG 270	35		12 - 1				28 - 1		34.29%					80.00%
CHEM 100	25	148 - 5	112 - 4	124 - 5	136 - 5	127 - 5	98 - 4	123.33%	116.67%	103.33%	108.80%	101.60%	98%	94
CIS 101	32	298 - 9	244 - 8	279 - 10	243 - 9	282 - 10	216 - 8	98.68%	141.86%	88.01%	140.46%	85.20%	82.13%	9

AGRICULTURE SCIENCE COURSES - PRODUCTIVITY

COURSE	FTES						FTEF						Productivity						
	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	
AG 080		0.34		0.86				0.07		0.07				4.86		12.29			
AG 120	2.91						0.2						14.55						
AG 138	2.23				4.11		0.20				0.20		11.15					20.55	
AG 140	2.26		6.99				0.27		0.27				8.37		25.89				
AG 160			3.29						0.20						16.45				
AG 170		5.14	2.57			4.29		0.20	0.20			0.20		25.70	12.85				21.45
AG 220	1.37					2.57	0.20					0.20	6.85						12.85
AG 230		1.85		2.37				0.20		0.20				9.25		11.85			
AG 240		2.26						0.27						8.37					
AG 250	1.23			3.81			0.20			0.20			6.15			19.05			
AG 260	2.47				3.19		0.20				0.20		12.35					15.95	
AG 270		1.23				2.88		0.20				0.20		6.15					14.40
CHEM 100	30.45	23.04	25.51	27.98	26.13	20.16	1.35	1.08	1.35	1.35	1.35	1.08	22.56	21.33	18.90	20.73	19.36	18.67	
CIS 101	30.65	25.10	28.7	24.98	29	22.1	1.80	1.60	2.00	1.80	2.00	1.60	17.03	15.69	14.35	13.88	14.50	13.81	

AGRICULTURE SCIENCE 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
AG 080		80%		92%				80%		92%		
AG 120	94%				100%		82%					
AG 138	92%				100%		92%				100%	
AG 140	82%		100%				73%		82%			
AG 160			94%						94%			
AG 170		100%	100%			92%		100%	67%			68%
AG 220	88%					93%	63%					60%
AG 230		78%		52%				72%		43%		
AG 240		73%						64%				
AG 250	67%			92%			50%			73%		
AG 260	83%				94%		83%				94%	
AG 270		67%				86%		58%				50%
CHEM 100	84%	85%	91%	93%	88%	89%	64%	68%	73%	78%	70%	57%
CIS 101	81%	78%	84%	84%	85%	91%	57%	59%	53%	53%	59%	56%

Recent Enrollment Demand:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input checked="" type="checkbox"/> Low
Projection for Future Demand :	<input type="checkbox"/> Growing	<input checked="" type="checkbox"/> Stable	<input type="checkbox"/> Declining
Opportunity Analysis: (Successes, new curriculum development, alternative delivery mechanisms, interdisciplinary strategies, etc.)			
<p>Future growth of the Agricultural Science program could occur, but it would require more resources. In particular, more land would be needed than is currently available to be able to fully teach students the variety of agricultural techniques they would need to know. Having another Agriculture instructor would help to offer courses on a more frequent basis, so students would be able to graduate faster. Currently, if a student does not pass an Agriculture class, that student would have to wait 2 years to take it again, which would delay the student from earning the degree.</p> <p>We are also currently working on revamping and modernizing the curriculum for all AG degrees. Discussion on this has recently begun, and we hope to implement new curriculum in the next year or two.</p>			
Summary of Program "Health" Evaluation: (Including consideration of size, score, productivity and quality of outcomes)			
<p>Enrollment in AG120, 140, and 170, in general, has been increasing each time these courses have been offered. The Agricultural Science program is a small, but stable and healthy, program. We currently have one full-time faculty and 3 part-time faculty teaching Agriculture classes, and classes are taught once every two years. 9 of the 10 degrees awarded have been done so since 2008, and we currently have 36 students who have declared themselves as Agricultural Science majors. The one certificate was awarded in the 2010-2011 academic year, and there are currently 7 students at IVC who are declared as Agriculture Crop Science majors. While this is a small program, it is growing and should be considered as being healthy.</p>			

Student Learning Outcomes and Program Learning Outcomes

Student Learning Outcomes Assessment –completion

SLOs have been identified for all Agriculture Science classes and are assessed on a regular basis.

Course	# Credits	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013
AG080	1				1				
AG120	3					1,2,3			
AG140	4							1,2,3,4	
AG170	3						1,2,3		
AG230	3				1,2,3				Burch
AG240	4							1,2,3,4	
AG250	3				1,2,3				
AG270	3						1,2,3		
CHEM100	4	old	old	Yes	1,2,3,4	3		1,3	

Program Learning Outcomes Assessment

3 PLOs have been identified for the Agriculture Science degree, and one was assessed in the 2011-2012 academic year.

Success Rate of Student Learning Outcomes

All SLOs for AG Science classes are assessed each time the class is offered.

Success Rate of Program Learning Outcomes

Only one of 3 PLOs has been assessed currently, and the other 2 will be assessed this academic year.

Future Goals of Program

1. We are looking to change the course offering pattern of agriculture classes to help students progress through the program (AG Pathway). By being able to offer more AG classes during the day, which could help students progress through the program quicker
2. Increase enrollment
3. Increase degree and/or certificate attainment.
4. Increase participation in Advisory Committee

Resource requests from annual program review

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

1. Facilities: A better teaching facility for agriculture, which will require land and/or green house if larger acreage not possible or available and the ability to provide drip or sprinkler system irrigations. Cost estimated at \$6-8 million
2. Budget / Planning: Farming equipment and a place to store it (see #1)
3. Staffing : Additional PT faculty or 1 FT faculty may be needed eventually.