IMPERIAL VALLEY COLLEGE PROGRAM REVIEW COMPLIANCE FORM AND REQUEST FOR RESOURCES

DEPARTMENT SME	- Jen.	dei	ACADEMIC YR. 12-13
rehensive Program Review	Annual	Assessment	Request for Resources (check all tha
your Program Review data as well a		_	er to update to your Comprehensive Program reported at this time.
n is scheduled for a Comprehensive annual Program Review Assessmen	Program Review all for t only and have no cha	rms are to be complete nges to area needs, sig	ed and submitted to the appropriate Dean/VP. In below and submit this form to appropriate I complete the appropriate Request for Resource
opriate Dean/VP.	3/1/13	Off g	wire
rogram Chair/Director	Date	Signature of Area	Dean I
rea Vice President	3 -/·/3 Date		

he following documents to this Program Review Compliance form if you are requesting additional resources: sive Program Review

sis Form

Assessments

Resources Forms

Academic Program Evaluation - General Science Division - H & S Department - SME

GENERAL SCIENCE - ASSOCIATE DEGREE

REQUIRED COURSES:

Select one course from the following:

Select one course from the following:

Select remaining units (to reach 18 units) from:

ANTH 100, BIOL 100, 120, 122, 140, 150, 180, 182

ASTR 100, CHEM 100, 160, ENVS/AG 110, GEOG 100, GEOL 100, 110, PHSC 110

BIOL 200, 202, 204, 206, 220, CHEM 200, 202, 204, 206, CS 220

MATH 190, 192, 194, 210, PHYS 200, 202, 204

PROGRAM COMPLETION

Number of certificates completed	Number of Associate Degrees Completed
Between Fall 2009 and Spring 2012	Between Fall 2009 and Spring 2012
N/A	162

GENERAL SCIENCE COURSES - ENROLLMENT, FILL RATE & WAIT LISTS

COURSES		Enrollment - # Sections					Fill Rate						Wait List 1/8/2013	
	Course Cap	F 09	5 10	F 10	S 11	F 11	5 12	F 09	S 10	F 10	S 11	F 11	S 12	5 13
ANTH 100	40	151 - 3	150 - 3	150 - 3	158 - 3	140 - 3	132 - 3	125.8%	125.0%	125.0%	131.7%	116.7%	110.0%	2
ASTR 100	35	146 - 4	144 - 4	145 - 4	136 - 4	130 - 4	117 - 4	104.29%	102.86%	103.57%	97.14%	92.86%	83.57%	Series Series
BIOL 100	25	289 - 10	298 - 12	265 - 10	245 - 9	280 - 10	232 - 8	120.42%	112.80%	110.42%	122.50%	112.00%	116.00%	104
BIOL 120	25				26 - 1			W0518			104%		84%	1
BIOL 122	25		15 - 1				21-1	BACKETON .	62.50%	dell'insulation	male of the st	CONTRACTOR IN	84.00%	
BIOL 140	35		34 - 1		34 - 1		25 - 1	123426001	97.14%	THE STREET	97.14%	Constants.	71.43%	
BIOL 150	35		28-1		27 - 1		18-1		80%	M. D. SHIRLS	77.14%	\$354.00 B	51.43%	2
BIOL 180	25	27-1		26-1		25 - 1		112.5%		108.33%		100%		
8IOL 182	25		20 - 1		25 - 1		25 - 1	U.S. COLOR	83.3%		100%	White States	100%	12
BIOL 200	25	56 - 2	46 - 2	46 - 2	49 - 2	50 - 2	48 - 2	116.67%	95.83%	95.83%	98%	100%	96%	14
BIOL 202	25	26 - 1	25 - 1	51 - 2	23 - 1	26 - 1	48 - 2	104.17%	104.17%	108.33%	92%	104%	96%	15
BIOL 204	25	50 - 2	49 - 2	48 - 2	49 - 2	50 - 2	48 - 2	91.67%	102.08%	100%	98%	100%	96%	36
BIOL 206	25	23 - 1	23 - 1	27 - 1	23 - 1	23 - 1	25 - 1	112.50%	95.83%	112.50%	92%	92%	100%	4
BIOL 220	25	28 - 1	50 - 2	53 - 2	58 - 2	54-2	74-3	120.83%	104.17%	110.42%	116%	108%	98.67%	37
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
CHEM 160	24	20 - 1	28-1	16-1	26 - 1	28 - 1		83.33%	116.67%	66.67%	104%	112%	THE REAL PROPERTY.	HI BLOOK
CHEM 200	25	33 - 1	28 - 1	27 - 1	23 - 1	25 - 1	19 - 1	137.50%	116.67%	112.50%	92%	100%	76%	15
CHEM 202	25	14 - 1	27 - 1	16-1	19-1	15 - 1	12 - 1	58.33%	112.50%	66.67%	76%	60%	48%	
CHEM 204	25		18 - 1						75%					1000
CHEM 206									No. of the last	PARTICIPAL DE LA CONTRACTION D			ENGINEERING	
CS 220	24	23 - 1	19 - 1	24-1	19-1	23-1	19 - 1	95.83%	37.50%	100%	79.17%	95.83%	79.17%	
AG/ENVS 110	30	258 - 8	288 - 9	263 - 9	229 - 8	256 - 8	193 - 7	107.5%	107.08%	97.4%	95.42%	106.7%	97.2%	5
GEOG 100	40	87-2	137 - 3	134 - 3	137 - 3	132 - 3	121 - 3	108.8%	114.17%	111.67%	114.17%	115%	100.83%	
GEOL 100	35	83 - 2	56 - 2	64 - 2	54 - 2	46 - 2	45 - 2	115.3%	116.67%	133.33%	112.50%	92%	90%	4
GEOL 110	35	155 - 4	167 - 5	158 - 4	132 - 4	108 - 3	88 - 3	110.71%	159.05%	112.86%	188.57%	102.86%	83.81%	2
MATH 190	35	54-2	59 - 2	51-2	41-1	62 - 2	58 - 2	81.43%	84.29%	72.86%	117.14%	88.57%	82.86%	
MATH 192	35	57-2	42 - 1	67 - 2	36 - 1	53 - 2	49 - 2	94.29%	120%	95.71%	102.86%	75.71%	70%	1891 - 170
MATH 194	35	33 - 1	41 - 1	34 - 1	31 - 1	21-1	23 - 1		117.14%	97.14%	88.57%	60%	65.71%	1
MATH 210	35		31 - 1		37 - 1		24 - 1	ninaes.	88.57%		105.71%		68.57%	
PHSC 110	35	32 - 1	37 - 1	61-2	60 - 2	60 - 2	55 - 2	91.43%	105.71%	87.14%	85.71%	100%	78.57%	
PHYS 200	25	24 - 1	24 - 1	20 - 1	24-1	20 - 1	21-1	100%	100%	83.33%	100%	80%	84%	1
PHYS 202	25	27 - 1		28 - 1		19 - 1		112.50%		116.67%		76%	CONTRACT	Para Maria
PHYS 204	25		30 - 1		29 - 1		23 - 1	est-Ottos	125%	A THE WORLD	120.83%	MANAGEMENT OF STREET	92%	

GENERAL SCIENCE COURSES - PRODUCTIVITY (FTES/FTEF)

2000	FTES					FTEF				Productivity								
COURSE	F09	5 10	F 10	\$ 11	F 11	5 12	F09	5 10	F 10	S 11	F 11	5 12	F09	S 10	F 10	5 11	F 11	5 12
ANTH 100	15.53	15.42	15.42	16.25	14.40	13.58	0.60	0.60	0.60	0.60	0.60	0.60	25.88	25.70	25.70	27.08	24.00	22.63
ASTR 100	15.02	14.82	14.91	13.99	13.37	12.03	0.80	0.80	0.80	0.80	0.80	0.80	18.78	18.53	18.64	17.49	16.71	15.04
BIOL 100	59.46	61.30	54.50	50.41	57.60	47.74	2.7	3.24	2.70	2.43	2.70	2.16	22.02	18.92	20.19	20.74	21.33	22.10
BIOL 120	MANUFE IN		All Suppl	7.13				STATE OF	STATE OF	0.27		REE				26.41		
BIOL 122	西温丛市	4.11		BEHAND.		5.76	(SEO)S	0.27			RESERVE .	0.27		15.22	-243		Consult of	21.33
BIOL 140	NEW COMP	3.50	Surface la	3.50	SPECIAL S	2.57	(SESSIO	0.20	Et AME	0.20	SERVE.			17.50		17.50		
BIOL 150		2.88	Market State	2.78		1.85	A8199	0.20	罪即短趾	0.20	10.00			14.40		13.90		
BIOL 180	5.55		5.35	STREET	5.14		0.27	祖智是他	0.27	Ches.	0.27		20.56		19.81		19.04	
BIOL 182	diddigtor.	4.11	SELECTION OF	5.14		5.14		0.27		0.27	STRVIN			15.22		19.04		
BIOL 200	15.36	12.62	12.61	13.44	13.72	13.16	0.54	0.54	0.54	0.54	0.54	0.54	28.44	23.37	23.35	24.89	25.41	24.37
BIOL 202	6.86	6.86	7.13	6.31	7.13	13.16	0.27	0.27	0.27	0.27	0.27	0.54	25.41	25.41	26.41	23.37	26.41	24.37
BIOL 204	18.10	13.44	13.17	13.44	13.72	13.16	0.54	0.54	0.54	0.54	0.54	0.54	33.52	24.89	24.39	24.89	25.41	24.37
BIOL 206	7.41	6.31	7.41	6.31	6.31	6.86	0.27	0.27	0.27	0.27	0.27	0.27	27.44	23.37	27.44	23.37	23.37	25.41
8IOL 220	17.90	15.42	16.35	17.90	16.66	22.83	0.66	0.66	0.66	0.66	0.66	0.99	27.12	23.36	24.77	27.12	25.24	23.06
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
CHEM 160	4.80	6.72	3.84	6.24	6.72	ATTEMPTS:	0.33	0.33	0.33	0.33	0.33	PALES I	14.55	20.36	11.64	18.91	20.36	
CHEM 200	10.18	8.64	8.33	7.10	7.71	5.86	0.33	0.33	0.33	0.33	0.33	0.33	30.85	26.18	25.24	21.52	23.36	17.76
CHEM 202	4.32	8.33	4.94	5.86	4.63	3.70	0.33	0.33	0.33	0.33	0.33	0.33	13.09	25.24	14.97	17.76	14.03	11.21
CHEM 204	THE RES	5.55	PER MANAGE		on the later of			0.33	25000	De Carrier de	Tris or			16.82			9	
_ CHEM 206	ATT IN	Valley III			STREET !		DESE		DEFENDENCE:		THE R			GAL D	Records:	Market B		
CS 220	4.73	3.91	4.94	3.91	4.73	3.91	0.27	0.27	0.27	0.27	0.27	0.27	17.52	14.48	18.30	14.48	17.52	14.48
AG/ENVS 110	26.55	29.64	27.05	23.55	26.33	19.85	1.60	1.80	1.80	1.60	1.60	1.40	16.59	16.47	15.03	14.72	16.46	14.18
GEOG 100	8.95	14.1	13.78	14.09	14.19	12.45	0.40	0.60	0.60	0.60	0.60	0.60	22.38	23.50	22.97	23.48	23.65	20.75
GEOL 100	17.07	11.52	13.17	11.11	9.46	9.25	0.81	0.54	0.54	0.54	0.54	0.54	21.07	21.33	24.39	20.57	17.52	17.13
GEOL 110	15.94	17.18	16.25	13.58	11.11	9.05	0.80	1.00	0.80	0.80	0.60	0.60	19.93	17.18	20.31	16.98	18.52	15.08
MATH 190	9.25	10.12	8.74	7.03	10.63	9.95	0.66	0.66	0.66	0.33	0.66	0.66	14.02	15.33	13.24	21.30	16.11	15.08
MATH 192	9.78	7.20	11.48	6.17	9.08	8.40	0.66	0.33	0.66	0.33	0.66	0.66	14.82	21.82	17.39	18.70	13.76	12.73
MATH 194	5.66	7.03	5.83	5.31	3.6	3.94	0.33	0.33	0.33	0.33	0.33	0.33	17.15	21.30	17.67	16.09	10.91	11.94
MATH 210		5.31	3(393)	6.34		4.11	Dollars.	0.33		0.33		0.33	100001111	16.09	THE R	19.21	15-5-13	12.45
PHSC 110	3.29	3.81	6.17	6.17	7.2	5.66	0.2	0.2	0.4	0.4	0.4	0.4	16.45	19.05	15.43	15.43	18.00	14.15
PHYS 200	5.76	5.76	4.8	5.76	4.8	5.04	0.33	0.33	0.33	0.33	0.33	0.33	17.45	17.45	14.55	17.45	14.55	15.27
PHYS 202	6.48	United to	6.72	EN 48184	4.56	Bekaptak.	0.33	25 15 15 15	0.33		0.33	1200	19.64		20.36		13.82	
PHYS 204	0.000	7.2	1. In (C)	6.96	PERCENT.	5.52	19-120-367	0.33		0.33	SERVICE .	0.33	181	21.82		21.09	1	16.73

GENERAL SCIENCE COURSES - COMPLETION & SUCCESS RATES

COURSE	Aby Toron	Completion Rate							Success Rate						
	F09	S 10	F 10	S 11	F 11	S 12	F09	S 10	F 10	5 1 1	F 11	5 12			
ANTH 100	87.0%	88.0%	87.9%	91.1%	92.6%	92.0%	78.7%	79.7%	60.2%	85.5%	78%	85.4%			
ASTR 100	52.0%	56.0%	51.0%	50.0%	62.0%	52.0%	29.0%	26.0%	30.0%	29.0%	31%	29.0%			
BIOL 100	89%	90%	92%	94%	94%	94%	75%	78%	85%	89%	87%	84%			
BIOL 120	الوال ودويا			96%						92%					
BIOL 122		93%		74%		81%	t magazina di indi	87%		35%		81%			
BIOL 140		82%		81%		84%	(XXIII 3620) III 6	59%		63%		48%			
BIOL 150		79%	10000			83%	201000111	79%				61%			
BIOL 180	70%		62%		72%	and the second	63%		54%	E	68%				
BIOL 182		80%		84%		84%		55%		60%		72%			
BIOL 200	80%	70%	72%	76%	64%	81%	77%	63%	57%	57%	52%	65%			
BIOL 202	52%	88%	85%	74%	96%	88%	48%	80%	77%	70%	81%	75%			
BIOL 204	59%	57%	50%	53%	62%	63%	47%	45%	46%	37%	52%	38%			
BIOL 206	70%	61%	63%	74%	65%	80%	63%	61%	44%	65%	61%	66%			
BIOL 220	91%	80%	91%	90%	76%	82%	72%	78%	77%	79%	76%	66%			
CHEM 100	84%	85%	91%	93%	88%	89%	64%	68%	73%	78%	70%	57%			
CHEM 160	80%	89%	100%	96%	96%		60%	68%	100%	81%	82%				
CHEM 200	94%	61%	85%	83%	76%	79%	82%	61%	67%	61%	48%	53%			
CHEM 202	93%	63%	75%	100%	67%	83%	79%	44%	69%	74%	47%	83%			
CHEM 204		78%					NAMES IN THE PARTY	33%							
CHEM 206															
C\$ 220	78%	84%	75%	79%	65%	89%	52%	63%	54%	68%	43%	84%			
AG/ENV\$ 110	89%	89%	87%	87%	94%	86%	66.0%	60.0%	66.0%	58.0%	69%	63.0%			
GEOG 100	72%	79%	78%	72%	76%	85%	53.0%	42%	57%	52%	57%	61.0%			
GEOL 100	86%	88%	78%	81%	65%	87%	66%	71%	55%	57%	57%	58%			
GEOL 110	82%	77%	76%	83%	77%	73%	59%	52%	43%	46%	48%	48%			
MATH 190	76%	83%	92%	88%	94%	74%	61%	63%	61%	51%	87%	66%			
MATH 192	81%	50%	81%	67%	74%	98%	54%	43%	54%	50%	43%	86%			
MATH 194	85%	68%	85%	87%	95%	96%	52%	56%	79%	81%	57%	96%			
MATH 210	11	74%		95%		100%		68%	OF THE PERSON OF	84%		96%			
PHSC 110	50%	68%	69%	75%	69%	49%	28%	54%	54%	60%	46%	38%			
PHYS 200	71%	83%	80%	88%	90%	81%	58%	63%	80%	75%	80%	76%			
PHYS 202	78%		89%		95%		78%		86%		84%				
PHYS 204		93%	philadelinits	97%	100	100%		63%		93%		87%			

	45		
Recent Enrollment Demand:	HighX	Medium	Low
Projection for Future Demand :	Growing	StableX	Declining
Opportunity Analysis: (Successes	, new curriculum deve	elopment, alternative delive	ery mechanisms, interdisciplinary strategies, etc.)
maintain strong enrollment in CHE sections offered for CHEM 200 and In addition, we could use two more instructor teaching BIOL 100, and a	M 200 and CHEM 202 CHEM 202 could increase biology instructors, a another one teaching a help them get through	2. With an additional Chem rease, giving students more as we have lost instructors t anatomy and physiology co h this degree quicker (if goi	ictors. We do not offer enough CHEM 100 sections to istry instructor, both enrollment and number of opportunities to take upper-level Chemistry classes. To retirement or advancement. With an additional surses, we would be able to provide students with any the biology route), and to help students get
Summary of Program "Health" Ev	valuation: (Including	consideration of size, score	, productivity and quality of outcomes)
	oductive and healthy		comprise this degree are classes that typically fill TES the program generates, the fill rates of the classes,

Student Learning Outcomes and Program Learning Outcomes

Student Learning Outcomes Assessment -completion

SLOs for General Science degree classes have been assessed consistently.

Course	# Credits	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013
ASTR100	3			7 75000 %	10773900	1		1000,000,000	Lavery
BIOL100	4	1	1/400		4		1		Gilison
BIOL120	4				1/2				Chien
BIOL122	4		是是社会的地位的				1,2,3,4		
BIOL140	3		1,2,3		2	Particular Street			County Code
BIOL150	3		2	BESIDENCE	1	AND REPORTS	3		Gilison
BIOL180	4	1		3	International Property (Inches	2	AND DESCRIPTION	1,4	ELECTRONIC STATE
BIOL182	4	March and Park			1	A TO THE REAL PROPERTY.	4		Morrell
BIOL200	4	old	old	3	3	2	1	4	
B10L202	4	old	4	2	1	4	3	1	27.33
BIOL204	4	1	71 BISTACE-1100-1100	3	1	4	4	2	30,000
B10L206	4	old	0,	4	2	3	1		Morrell
BIOL220	5		2		3	10	5	1,4	
CHEM100	4	old	old	Yes	1,2,3,4	3		1,3	1
CHEM160	5					4,5		1,2,3	10 Sta 04220
CHEM200	5	old	old	Yes	1,2,3,4,5	1		1,2,3,4,5	
CHEM202	5	old	old	Yes	1,2,3,4,5	3		1,3,4,5	
CHEM204	5	Branch Branch	old	SECOND CO.					STATE OF THE PARTY OF
CHEM206	5	A SECTION AND A SECTION ASSESSMENT	MANAGEMENT	De la		SOUND LA			DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN THE PER
GEOL100	4	1			6		1	2	1
GEOL110	3	old	·				2	1	
PHSC110	3				2772700 0	2			Lavery
PHYS200	5	20 1	old,2,3,4		50 M. Maria	1,2,3,4,5	1,2,3,4,5	1,2,3,4,5	
PHYS202	5	old,1		old,1,2,3,4		1,2,3,4,5	Harris Strain Strain	1,2,3,4,5	THE RESERVE
PHYS204	5		2,3		old,2,3,4,5		2,3,4,5	araka al Man	Cozzani
AG/ENVS110	3	1,2,3		1			3		Murray
CS 220	4						1	2	
MATH 190	5	1	Espera tou		50	1,2	3 60 60	3,4	Bennett
MATH 192	5		3	F 6500000.	4	4		4,5	Voldman
MATH 194	5	1	50,000,000	4 60			1,2	3	Voldman
MATH 210	5		2		-		1,2		Voldman

Program Learning Outcomes Assessment

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

Success Rate of Student Learning Outcomes

SLOs for General Science classes are assessed each year 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 for Program

- We can improve this program with the addition of one new chemistry instructor, and two new biology instructors. Unless that
 happens, there is not much change that would occur with this program. With decreasing enrollment in CHEM 202, we had to cancel
 the class in Spring 2013.
- Our plan is to offer two sections of CHEM 200 in the Fall 2013 semester, and then one CHEM 200 and one CHEM 202 in the Spring 2014 semester to help increase enrollment in the CHEM 202 class

Resource Requests

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

- Staffing: 1 Chemistry instructor, approximately \$80,000/year. We have been requesting this every year during APR and for CPR. A
 new Chemistry instructor is critical to help students get through CHEM 100, which is a prerequisite for chemistry classes (CHEM 200,
 202, 204, 206 in which enrollment has been declining), and is also a prerequisite for BIOL 200, 202, 206, and 220, which are the
 upper-level anatomy and physiology, and microbiology, classes that are needed for students to get into the nursing program.
- Staffing: 1 Biology instructor, approximately \$80,000/year. We have been requesting this every year during APR and for CPR. This
 position is critical for students to take BIOL 100, which is a prerequisite for upper-level biology classes that are needed for students to
 get into the nursing program.
- Staffing: 1 Anatomy & Physiology instructor, approximately \$80,000/year. We have been requesting this every year during APR and
 for CPR. This position is critical for students to get into the nursing program as we are not offering enough sections of BIOL 200, 202,
 204 or 206.
- Budget: Twelve (12) dissecting microscopes, \$216 each (\$25,920 total). For various biology classes. The ones we currently have are very old and do not work well