

IMPERIAL VALLEY COLLEGE
PROGRAM REVIEW COMPLIANCE FORM AND REQUEST FOR RESOURCES

DEPARTMENT NAH - Paramedic

ACADEMIC YR. 12-13

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 doing 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]
Program Chair/Director Date
[Signature] 2/28/13
Area Vice President Date

[Signature]
Signature of Area Dean I

- 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 - Emergency Medical Services
Division - H & S
Department - EMS**

EMPT COURSES

TERM	Enrollment	Fill Rate	# of Sections	Mass Cap	Avg. Class Cap	Avg. Class Size	FTEF	FTEF	Productivity (FTEF/FTEF)	Completion Rate	Success Rate
Spring 2010	36	90%	2	40	20	18	13.58	1.46	9.3	100%	100%
Fall 2010	51	85%	4	60	15	12.75	27.11	3.7	7.33	100%	100%
Spring 2011	23	57.50%	2	40	20	11.5	8.68	1.46	5.95	96%	87%
Fall 2011	27	77.14%	4	35	8.75	6.75	14.35	3.8	3.78	100%	100%
Spring 2012	31	77.50%	2	40	20	15.5	11.69	1.46	8.01	97%	97%
% Change Fall Semesters 09 - 11	-47.06%	-9.25%	0.00%	-41.67%	-41.67%	-47.06%	-47.07%	2.70%	-48.43%	0.00%	0.00%
% Change Spring Semesters 10 - 12	-13.89%	-13.89%	0.00%	0.00%	0.00%	-13.89%	-13.92%	0.00%	-13.87%	-3.00%	-3.00%

PROGRAM COMPLETION

Number of certificates completed Between Fall 2009 and Spring 2012	Number of Associate Degrees Completed Between Fall 2009 and Spring 2012
25	5

EMPT COURSES - A.A DEGREE & CERTIFICATE

ASSOCIATE DEGREE:

Required Courses: BIOL 090, EMT 105, EMPT 200, 210, 215, 225, 235, 245

Select one course from: BUS/AG 132, BUS 136

CERTIFICATE PROGRAM:

Required Courses: BIOL 090, EMT 105, EMPT 200, 210, 215, 225, 235, 245

EMPT COURSES – ENROLLMENT, FILL RATES & WAIT LISTS

COURSE	Class Cap	Enrollment/# Sections						Fill Rate						Wait Lists 1/8/13
		F 09	S 10	F 10	S 11	F 11	S 12	F 09	S 10	F 10	S 11	F 11	S 12	
BIOL 090	30	72 - 2	67 - 2	68 - 2	61 - 2	65 - 2	34 - 1	120%	111.67%	113.33%	101.67%	108.33%	113.33%	33
EMT 105	25	61 - 2	57 - 2	54 - 2	50 - 2	68 - 2	65 - 2	148.0%	156.0%	156.0%	150.0%	152.0%	156.0%	13
EMT 107	20		19 - 1	14 - 1			17 - 1		95.0%	93.3%			85.0%	
EMTP 200	20		18 - 1		11 - 1		16 - 1		90.0%		55.0%		80.0%	
EMTP 210	20		18 - 1		12 - 1		15 - 1		90.0%		60.0%		75.0%	
EMTP 215														
EMTP 225	6			17 - 2		9 - 2			85.0%		81.8%			
EMTP 235	12			17 - 1		9 - 1			85.0%		75.0%			
EMPT 245	12			17 - 1		9 - 1			85.0%		75.0%			
BUS/AG 132	40	33 - 1		31 - 1		35 - 1		82.50%		77.50%		87.50%		
BUS 260	28		53 - 2	29 - 1	20 - 1	33 - 1	19 - 1		98.15%	103.57%	71.43%	94.29%	67.86%	14

Enrollment is restricted by number of field student training spaces, labor market data, and the recommendations of the Advisory Committee.

EMPT COURSES - PRODUCTIVITY (FTES/FTEF)

COURSE	FTES						FTEF						Productivity						
	F 09	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	
BIOL 090																			
EMT 105	19.87	18.57	17.59	16.28	22.15	21.18	1.00	1.00	1.00	1.00	1.00	1.00	19.87	18.57	17.59	16.28	22.15	21.18	
EMT 107		1.30	0.96			1.17		0.13	0.13			0.26		10.00	7.38			4.50	
EMTP 200		6.79		4.15		6.03		0.60		0.50		0.60		11.32		8.30		10.05	
EMTP 210		6.79		4.53		5.66		0.60		0.50		0.60		11.32		9.06		9.43	
EMTP 215																			
EMTP 225			6.12		3.24				0.46		0.46				13.30		7.04		
EMTP 235			11.37		6.02				0.43		0.43				26.44		14.00		
EMPT 245			9.62		5.09				0.37		0.37				26.00		13.76		
AG/BUS 132	3.39		3.19		3.60		0.20		0.20		0.20		16.95		15.95		18.00		
BUS 260		5.45	5.49	2.06	3.39	1.95		0.40	0.20	0.2	0.2	0.2		13.63	27.45	10.30	16.95	9.75	

Productivity is highest in the lecture only courses as the clinical field courses have state mandated safety faculty : student ratios.

EMPT COURSES - COMPLETION & SUCCESS RATES

COURSE	Completion Rate						Success Rate					
	F 09	S 10	F 10	S 11	F 11	S 12	F 09	S 10	F 10	S 11	F 11	S 12
BIOL 090	78%	58%	71%	69%	69%	100%	44%	28%	50%	52%	45%	85%
EMT 105	77%	72%	72%	76%	76%	77%	49%	53%	56%	52%	55%	50%
EMT 107		89%	93%			82%		89%	93%		89%	65%
EMTP 200		100%		100%		94%		100%		91%		94%
EMTP 210		100%		92%		100%		100%		83%		100%
EMTP 215												
EMTP 225		100%	100%		100%			100%	100%		100%	
EMTP 235		100%	100%		100%			100%	100%		100%	
EMPT 245			100%		100%				100%		100%	
AG/BUS 132	67%		71%		71%		58%		58%		63%	
BUS 260		92%		100%		74%		83%		95%		58%

Completion and Success Rates are higher in the EMTP courses. This may be due to personal motivation as they progress in the subject matter they have chosen as a career. Note in all EMTP theory coursework 80% is required to pass with a C.

Recent Enrollment Demand:	<input type="checkbox"/> High	<input checked="" type="checkbox"/> Medium	<input 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.)			
• •			
Summary of Program "Health" Evaluation: (Including consideration of size, score, productivity and quality of outcomes)			
<ul style="list-style-type: none">• This is a relatively small and costly program with positive outcomes in terms of completion and licensure.• Local public safety agencies support the program and are involved in field experiences.• Degree/Certificate attainments is not as high as it could be as the students are typically only interested in their paramedic licensure as that is what is required for a job.			

Student Learning Outcomes and Program Learning Outcomes

Student learning Outcomes Assessment

Subject	#	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
EMT	105	Emrg Medical Tech	7.5	1,2,3	1,2,3	1,2,3	1,2,3	1,2,3	Need 4,5,6,7
EMT	107	EMT I -	2	0			0		Need 1,2
EMTP	200	Paramedic Didactic 1	9		1,2,3,4,5,6,7,8,9		1,2,3,4,5		Need 6,7,8,9
EMTP	210	Paramedic Didactic 2	9		1,2,3,4,5,6,7,8,9		1,2,3,4,5		Need 6,7,8,9
EMTP	215	Paramedic Didactic 3	3		1,2,3,4,5 summer		1,2,3,4,5 summer		TBA
EMTP	225	Paramedic Clinical 1	3.5	1,2,3		1,2,3		done in 2010 & 2011	
EMTP	235	Paramedic Field 1	6.5	1,2,3		1,2,3 & 5,6		done in 2010 & 2011	
EMTP	245	Paramedic Field	5.5	1,2,3		1,2,3,4,5,6		done in 2010 & 2011	

All courses in the EMT and Paramedic programs have identified SLOs and nearly all have completed a full cycle of assessments for each of the identified SLOs. As more is done with SLOs, the faculty team have modified a few SLOs and/or assessment tool.

- EMT 105 has slightly modified three SLOs over a 3 year period to be more relevant and now must add 4 additional SLOs into the 3-year assessment cycle
- EMT 107 is offered infrequently –every other year, which makes tracking and trending difficult. However, the instructor is aware that the next offering must have a thorough assessment of the 2 identified SLOs
- EMTP 200-245 are high-unit classroom or clinical/field courses that have completed a full 3-year assessment cycle

Program Learning Outcomes Assessment

In academic year 11-12, faculty in the EMTP Paramedic program identified 3 PLOs for the program using the Program Outcomes Assessment Report. Due to the sequential nature of the program, which completes in December year, the PLO is not fully assessed until completing students have had at least 3 months to prepare and take the national exam. Thus in spring 2013 the report will be finalized, however, the preliminary data is provided below.

- **Outcome #1:** Students meet or exceed pass rates set for national licensing exam (National Registry) within 4 months of program completion and as validated by NREMTP official reporting.
- **Outcome # 2:** Students meet or exceed pass rates set for national licensing skills exam (National Registry) prior to EMTP 225 as determined by NREMTP official scoring/reporting
- **Outcome # 3:** Students will demonstrate skills needed to meet the minimal certification standards for BLS and ACLS prior to EMTP 225 as determined by a valid AHA card designating BLS & ACLS.

Success Rate of Student Learning Outcomes

The SLOs have provided insights into different teaching strategies and alternate assessment/measurement tools considering the requirement for competency at licensure level. The success rate of the SLOs, do not necessarily correlate with the success/retention rates of the course.

Success Rate of Program Learning Outcomes

PLO # 1:

- March 2011 NREMT pass rate 94%, March 2012 89%, February 2013 NREMT pass rate 79%
- January 2013 new national EMS Education Standards for Paramedics established by the Federal government.

PLO # 2:

- July 2010 100% of students passed the NREMT Practical Skills Exam, July 2011 100%, and July 2012 100%

PLO # 3:

- 100% of students for the last 3 years have been successful in passing and receiving the American Heart Association BLS Provider, BLS Instructor, Advanced Cardiovascular Life Support Provider and Pediatric Advanced Life Support Provider certification prior to entering the clinical phase of training.

Future Goals of Program

Program Past Goals:

During the last comprehensive program review the EMS program set three goals which were in alignment with Educational Master Plan (EMP) Goals.

1. Seek grant opportunities in our local community to provide additional funds to improve the EMS programs and to advance the technology and equipment used in instruction and clinical practice. *(EMP: student success and develop resources)*
 - o A grant was secured in summer 2011 through the WIB to increase the number of EMTs and to provide them with a BLS Instructor card to increase their employability.
 - o The grant was renewed in summer 2012 due to the success of the first cohort.
 - o The grant has enabled the purchase of technology used in the EMS industry
2. Continue to track, monitor, and improve on the first time pass rate for national registry exams for EMS programs. This is how we externally validate student success. *(EMP: excellence in education and develop resources)*
 - o The monitoring and ongoing pursuit of improvement is also a requirement of the NREMT
3. Actively participate in the planning of the new CTE building, develop a relocation plan, and implementing both plans as the project progresses *(EMP: student success and develop resources)*
 - o The estimated opening of the CTE building is Spring 2014 and the EMS Coordinator periodically attends the planning meetings.
 - o A Relocation Plan will be developed and finalized before September 1, 2013.

2012-2013 Educational Master Plan (EMP) Goals

1. **Institutional Mission and Effectiveness:** *The College will maintain programs and services that focus on the mission of the college supported by data-driven assessments to measure student learning and student success*
2. **Student Learning Programs and Services:** *The College will maintain instructional programs and services which support student success and the attainment of student educational goals.*
3. **Resources:** *The College will develop and manage human, technological, physical, and financial resources to effectively support the college mission and the campus learning environment.*
4. **Leadership and Governance:** *The Board of Trustees and the Superintendent/President will establish policies that assure the quality, integrity, and effectiveness of student learning programs and services, and the financial stability of the institution.*

Program Future Goals

1. Continue to track, monitor, and improve on the first-attempt pass rate for national registry exams for EMS programs to benchmark student success with an external measurement. *(EMP Goal 1: Institutional Mission and Effectiveness)*
2. Increase enrollment and diversity in the EMTP Paramedic program *(EMP Goal 2: Student Learning Programs and Services)*
3. Increase response on post-completion employment as a paramedic *(EMP Goal 2: Student Learning Programs and Services)*
4. Increase community awareness of and faculty to participate in the final plans for the new CTE building and finalize the relocation plan prior to September 1, 2013. *(EMP Goal 3: Resources)*
5. Seek additional grant funding for furthering the technology at the industry standard and the teaching methodologies identified as best practices within the EMTP programs nation-wide. *(EMP Goal 3: Resources)*
6. Increase EMS Coordinator participation in campus shared governance committees and to continue to participate in the community advisory committee for the EMTP program. *(Leadership and Governance)*

Resource Requests

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

1. Budget: Mid-Level Simulation equipment. Rationale: the move away from the Nursing Building will require additional arrangement to ensure equipment is available when needed
2. Budget: Ambulance (part of). Rationale: the CTE building will allow for a portion of an ambulance to simulate the field prior to going into the field on live cases.
3. Technology: Database system to track students, mandated reporting items, and pertinent data items and staff training to use
Rationale: the program is required to track and report a variety of data elements for each student in each cohort
4. Budget: Year round courses. Rationale: the program cannot be interrupted for any extended period (>2 or 3 weeks) due to the accrediting body's expectations and the student learning needs
5. Marketing: Clinical and Field student positions. Rationale: this must be done with contractual agreements
6. Staffing: Faculty Rationale: Currently have 1 FT faculty dedicated to the EMTP program, which leave little time for program management