

**Lassen Community College**

**Fire Technology**

**Instructional Program Review**

**JANUARY  
2017**

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Chad Lawson, Interim Program Director

Academic Senate Adoption –  
Presented to Consultation Council –  
Board of Trustees Action –

**Fire Technology Instructional Program Review**

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## SECTION ONE: ACADEMIC PLANNING

### I. PROGRAM OVERVIEW, OBJECTIVES, AND STUDENT PROGRAM OUTCOMES

#### **Mission**

Lassen Community College provides outstanding programs for all pursuing higher education goals. The core programs offer a wide range of educational opportunities including transfer degrees and certificates, economic and workforce development, and basic skills instruction. The college serves students, both on campus and in outreach areas in its effort to build intellectual growth, human perspective and economic potential.

#### Description:

##### Purpose and Specific Objectives of the Program

The Fire Technology Program is designed to prepare students for employment in the Fire Science industry. The Associate in Fire Technology degree and Certificate of Achievement in Fire Technology provide students and employers with certifiable standards of technical career proficiency. The curriculum provides for training skills and techniques as follows. We feel we meet the Colleges mission statement with the following.

- a. Working knowledge and understanding of fire position to include Firefighter, Fire Inspector, Fire Investigator, Supervisors and Managers.
- b. Workplace safety and orientation
- c. "Work ethic" attitudes, principles, responsibility, discipline and initiative.
- d. Technical language, vocabulary, equipment, materials and modes of operation.
- e. Broad background in the mental and physical skills necessary to operate in the world of fighting fires.

#### Transfer:

Most courses are degree applicable, nontransferable; however students may transfer to state colleges and universities with four-year degrees in Fire Science, such as Cal State Sacramento and UNR.

#### Occupation:

Successful students will find employment opportunities in the Fire Science industry in local areas with agencies such as United States Forest Service, California Department of Forestry and Fire Protection, United States Department of Interior, Bureau of Land Management and many local fire departments. Many of these opportunities are available nationwide.

All students completing the required courses necessary to obtain an Associate in Science degree or Certificate of Achievement in Fire Technology will have received the education to be competent working as a member of a team or as an individual in the firefighting industry. The student will be able to demonstrate a general knowledge of the safest use and operation of equipment and techniques. In addition, these students will also have a working knowledge of the incident command system and its function.

#### Description of the Program (Catalog Description):

The Associate in Science and Certificate of Achievement – Fire Technology are designed to provide students with updated skills and knowledge necessary to successfully compete for fire service positions. The curriculum serves as an in-service program as well as pre-employment program for students seeking employment or advancement in the profession of urban firefighting and wildland fire suppression. Opportunities to study emergency response fields such as: Medical, hazardous

materials and rescue are included. As a fire technology major, you will: Study a broad overview of fire technology including: fire behavior, fire prevention, fire protection equipment and systems.

The Fire program for the last 2 years has provided the college with over a million dollar of positive cash flow (see chart below)

	Credit FTES 2015/16	Credit FTES 2014/15	Credit FTES 2013/14	Credit FTES 2012/13
Fire Technology		178.21	181.5	205.1
State Apportionment per		\$4,675.90	\$4,565.00	\$4,565.00
FTE		\$832,865	\$828,547.50	\$936,281.50
Total Program Revenue		\$221,181	\$335,980.70	\$386,114.76
Total Program Expenditure		\$632,380	\$492,566.80	\$550,166.74
Excess Revenue				

Evaluation

The fire technology program provides for improvement in the following areas: goal oriented focus on providing training that enables the student to be more readily employable at entry levels, adjustments of courses that enable a student to complete the training and general education requirements, creation of courses that provide a basic and solid foundation in Fire Science studies.

The future of the Fire program at Lassen College will depend on being able to provide qualified instructors. There seems to be more than a sufficient amount of interest by local students and local agencies with employment and training needs to provide the program with modest growth for many years to come. The additional longer-term expansion of the program facilities could provide a means to increase enrollment simply by having a larger student capacity, as well as offering the ability to introduce new programs. The extent of the marketability of the program is unknown, although every effort of recruiting to date has yielded interest. We currently offer 24 classes on campus (Spring 17). We offer anywhere from 8 to 15 classes off campus. There is a need for a full time instructor. The Fire Technology in its current incarnation has been on campus for a little over ten years. In that time it has grown from 5.42 FTES to 205.1 FTES program. In recent years we have focused on wild land firefighting. We are currently looking at expanding our program into structure firefighting. Our goal is to start teaching more State Fire Marshall classes, and serving as a state testing site for Fire fighter 1. Our belief is by growing our program into a sustainable 205 to 210 FTES yearly. All that is needed is a training tower. Some of these programs could be developed for or by Homeland Security, FEMA, and the California Corrections Center.

As we grow there are many variables that change. It is obvious that we are growing and are producing revenue. It is also obvious that we have potential to grow at a very fast rate and are able to produce many more FTES than we are currently producing. As it is shown that we have the potential to increase our program in many ways over the next few years we believe that our growth will only be limited by the amount of financial support that the college has to give. We do believe we will bring in much more income to the college than we will spend. We currently have a general funds budget of \$5,000.00. This does not even begin to meet our needs. We currently have two fire engines that need to be maintained along with numerous pumps and other equipment.

Planning Agenda:

1. Increase operating budget for Fire Technology program including, staffing, supplies, travel, and staff development
2. Pursue government grants to fund the construction of a Fire Science Training Center.

II STUDENT OUTCOMES

A. Trends and Patterns in Student Outcomes

Description

Since the Fire program is only 10 years old, we have only had 14 graduates; we are showing an increase each year. We have been able to place over 65 of our students into jobs working for local fire agencies. The reports that we received back from these agencies have been that the students were very well prepared for their new jobs and that they were very happy with their performances. In the last couple of years the local fire agencies have actually conducted their interviews at the campus. With the introduction of the Cal-Fire Academy and the offering of more structure fire classes our job placement will only grow.

Damon Benson	USFS	15-Mar			
Jake Barber	Cal-Fire	Jun-09	FF1		
Gregory Bell	BLM	16-Feb	Forestry Tech	USFS	12-May
Emily Bird	USFS	13-Mar	Forestry Tech		
Tylor Bird	USFS	15-Apr	Forestry Tech		
Shane Brown	USFS	17-Mar	FF1		
Carson Bella	USFS	17-Mar	Forestry Tech		
Brian Cardill	USFS	10-May	Forestry Tech		
John Cluck	USFS	16-May	Forestry Tech		
Holly Cardoza	USFS	16-Oct	Forestry Tech		
Mackenzie Cypriano	USFS	16-Mar	Forestry Tech		
Bill Dandios	BLM	15-Mar	Hot shot		
Curtis Dixon	BLM	13-Jun	Forestry Tech		
Benjiman Farly	USFS	15-May	Forestry Tech		
Rose Fulkman	usfs	14-May	Forestry Tech		
Tonya Galrez	USFS	10-Feb	Forestry Tech		
James Gilstrap	Cal-Fire	10-Apr	FF1		
Bryan Goldstone	BLM	14-Apr	Forestry Tech		
Drew Gardner	USFS	16-Mar	Forestry Tech		
Joshua Guy	USFS	10-Jun	Forestry Tech		
Jesse Keene	Cal-Fire	11-May	FF 1		
Jorden Kilbury	Cal-Fire	10-Jun	FF1		
Andrew King	CDCR Fire	9-Oct	FF1		
Chad Lawson	USFS	10-May	Helitack Captain		
Philip Lemaster	USFS	10-May	Helitack Captain		
Bret Low	USFS	12-Oct	Forestry Tech		
Jorden McRily	USFS	15-May	Forestry Tech		
Ben Miller	BLM	15-May	Forestry Tech		
Rubin Molina	Cal-Fire	17-Feb	FF1	BLM	14-May
Tyler Medders	USFS	15-Apr	Forestry Tech		
Bruce Madrin	USFS	10-May	Forestry Tech		
Dustin Mathews	USFS	15-Apr	Forestry Tech		
Kristopher Moore	JVFPD	13-Feb	FF1		
Nick McBride	SFD	14-Nov	FF1		
Brain Mcgrath	USFS	15-Mar	Forestry Tech		

Dailnail Ortiz	Cal-Fire	17-Feb	FF1		
Justin Olson	Cal-Fire	17-Feb	FF1		
Brent Panos	USFS	14-Mar	Forestry Tech		
Shawn Peters	USFS	13-May	Forestry Tech		
John Ross	USFS	17-Mar			
David Raner	USFS	16-May	Forestry Tech		
Ryan Rudd	BLM	16-Apr	Range Tech		
Silasd Rojas	Cal-Fire	11-May	FF1		
Jennifer Schlinger	Cal Pines	15-Jun	FF1		
Tyler Silkwood	USFS	10-Sep	Forestry Tech		
Casey Simoni	SRFPD	16-Jan	FF1	USFS	17-May
Bobby Stephens	USFS	11-May	Forestry Tech		
Damin Strenght	USFS	14-Apr	Forestry Tech		
Graig Thomas	USFS	10-Mar	Forestry Tech		
Andrew Thomas	USFS	11-May	Forestry Tech		
Torin Thompson	BLM	12-Aug	Forestry Tech		
Casey Urrutia	Cal-fire	14-Jun	FF1		
Aaron Vial	USFS	10-May	Forestry Tech		
Chance Walsh	USFS	17-May	Forestry Tech		
Justin Weekly	BLM	15-May	Forestry Tech	USFS	16-May
Mark Ward	Cal-Fire	10-Jun	FF1		
Jake Worden	USFS	12-May	Forestry Tech		
Matt Svendsen	Serria FD	17-May	Fire Fighter 1		
Zack Hoffman	USFS	17-May	Hotshot		
Jorge Guzman	Serria FD	17-May	Fire fighter		
Danial Vension	Serria FD	17-Apr	fire fighter		
Angle Ortiz	Serria FD	17-Mar	fire fighter		
Jesus Garibo	Serria FD	17-Mar	Fire fighter		
Kristen Anya	USFS	17-May	Forestry Tech		
Jamie Detz	USFS	17-May	Forestry Tech		
James Adams	Cal-Fire	17-May	FF1		

Indicator	Term	Trend	First Year	Final Year	Trend							
FTES	Summer		45.1	35.3	-22%			45.1	43.6	29.4	27.6	35.3
	Fall		63.5	61.9	-3%			63.5	66.3	25.8	60.1	61.9
	Spring		80.8	84.3	4%			80.8	89.4	100.8	94.8	84.3
	Annual		189.4	181.5	-4%			189.4	199.3	156.0	182.5	181.5
Sections	Summer		15	12	-20%			15	12	11	12	12
	Fall		25	24	-4%			25	22	11	28	24
	Spring		35	47	34%			35	42	47	45	47
	Annual		75	83	11%			75	76	69	85	83
FTES per Section	Summer		3.0	2.9	-2%			3.0	3.6	2.7	2.3	2.9
	Fall		2.5	2.6	2%			2.5	3.0	2.3	2.1	2.6
	Spring		2.3	1.8	-22%			2.3	2.1	2.1	2.1	1.8
	Annual		2.5	2.2	-13%			2.5	2.6	2.3	2.1	2.2
FTEF	Summer		1.3	0.1	-94%			1.32	1.12	1.02	1.11	0.07
	Fall		2.2	0.6	-73%			2.17	1.96	0.88	2.44	0.58
	Spring		2.5	1.3	-46%			2.49	2.88	3.23	1.61	1.35
	Annual		6.0	2.0	-67%			5.98	5.96	5.14	5.16	2.00
FTES per FTEF	Summer		34.2	473.6	1284%			34.21261	39.10988	28.76047	24.91327	473.6102
	Fall		29.3	107.3	266%			29.27287	33.87182	29.32012	24.65773	107.2676
	Spring		32.4	62.6	93%			32.42754	30.98807	31.16993	58.74266	62.59564
	Annual		31.7	90.8	187%			31.67731	33.45599	30.37294	35.37654	90.81248
Enrollment	Summer		508	386	-24%			508	487	325	321	386
	Fall		718	694	-3%			718	732	315	690	694
	Spring		1,342	1,340	0%			1,342	1,444	1,600	1,466	1,340
	Annual		2,568	2,420	-6%			2,568	2,663	2,240	2,477	2,420
Enrollment per Section	Summer		33.9	32.2	-5%			33.86667	40.58333	29.54545	26.75	32.16667
	Fall		28.7	28.9	1%			28.72	33.27273	28.63636	24.64286	28.91667
	Spring		38.3	28.5	-26%			38.34286	34.38095	34.04255	32.57778	28.51064
	Annual		34.2	29.2	-15%			34.24	35.03947	32.46377	29.14118	29.15663
Course Completion	Summer		99%	74%	-26%			99%	94%	99%	94%	74%
	Fall		87%	82%	-6%			87%	92%	78%	94%	82%
	Spring		94%	90%	-3%			94%	94%	88%	91%	90%
	Annual		93%	85%	-8%			93%	93%	88%	92%	85%
Success	Summer		90%	73%	-18%			90%	88%	81%	88%	73%
	Fall		82%	80%	-2%			82%	70%	63%	88%	80%
	Spring		89%	88%	-2%			89%	85%	82%	86%	88%
	Annual		87%	83%	-5%			87%	82%	80%	87%	83%
Awards	Annual		3	3	0%			3	2	3	11	3



### Evaluation

Job placement data is only available when students receive assistance in acquiring a job from a fire program member, or when the student informs a program member of their employment status after leaving the program. We have created our own tracking system for the program but it relies on the students providing us with their success. Therefore this data potentially represents only a portion of the overall statistics, and for that reason no further evaluation is offered. As indicated by the table above retention and success in fire science courses has been consistently high. This chart shows that our annual enrollment is down slightly per year as is the completion and success rates. We are seeing that the program seems to go through small cycles from year to year. The enrollment total for our program is very much affected by the amount of inmates that cycle through the prison. We are hoping to add more classes with help of the U.S. Forest Service and Cal-fire to hopefully make up for the year to year deficiencies.

### Recommendations/ Plan

Work with the Office of Institutional Research to develop sufficient tracking mechanisms to provide sufficient data for evaluation.

## B. Student Learning Outcome Assessment

As a result of our assessments we have found that the students and instructors are confident that our methods of instruction are currently performing the way we expect them to and students are leaving with the skills necessary for success in the workplace. We have been working with the local agencies that hire our student to be sure that our assessments are effective. With this in mind we found that there is a need for structure firefighting training.

### Recommendations/Plan

Submit SLO assessment results to the Office of Instruction within the necessary timeline established by the Office of Instruction.

## C Student Evaluation Summary

### Description

The overall response to the Student evaluation shows a positive attitude towards the program. The responses offered by the students suggest that they like the quality and experience of our instructors. Most of the students liked the Fire Technology Program but hoped that we would be offering more classes in the future and that we needed a modern training facility, which would involve a Training Tower and a class room dedicated to Fire Technology. The summary of the Student Evaluation provided by Academic Services is attached. (Appendix D)

### Evaluation

The Student Evaluation summary shows that the students in the Fire Technology Program are generally satisfied with the scheduling of courses. The data does reflect that most students felt we needed more modern training facilities to go with the up to date training we provided. The results show the students like the new technology like the new smart boards we had in our current facility.

## III. CURRICULUM

### Planning Agenda:

We hope to add 25 National Wildland Group (NWCG) classes in the next year and 15-20 State Fire Marshall (SFM) classes. We are currently discussing the need for a firefighter 1 Academy.

#### A. Degrees and/or Certificates

##### Description

The program offers an Associate in Science degree in Fire Technology and a Certificate of Achievement in Fire Technology. We have recently offered a Certificate of Accomplishment in Fire Technology (Appendix A)

##### Evaluation

Evaluations of the core courses in the degrees and certificates performed by the advisory committee and members of local fire agencies has resulted in the affirmation that the courses currently offered satisfy the current employer and industry skill requirements of the Fire Science field. The curriculum of our core courses has been evaluated by national fire agencies and the National Fire Protection Agency (NFPA). They currently meet the National standards. We will continue to update our fire curriculum to meet the needs of the industry and at the request of the advisory committee.

With advice from the advisory committee we would like to introduce two more degree programs (Homeland Security and Forestry) and new certifications with Cal (Fire Prevention, Fire Investigation). We have developed a Certificate of Accomplishment in Wildland Organized Crew Academy. We have successfully negotiated with the United States Forest Service to complete a contract to offer many of their trainings through the college. As additional degrees and certificates are developed, expansion of staff will be necessary. We will be required to provide at least a half time instructor to help with the new degrees and certificates. We were scheduled to hire a full time instructor in 2011 but due to current financial strains it is no longer appropriate at this time.

##### Recommendations/Plan

1. Continue to add courses as needed and create new degrees and certificates.
2. Pursue facilities, equipment and staffing as expansion develops.
3. Develop and fund an Advertising/Recruiting plan with input from the Advisory Committee.
4. Work with the Office of Academic Services to see if we can partnership with a four year College to offer a four year degree at Lassen Community Collage

#### B Courses

##### Planning Agenda:

We hope to add 25 National Wildland Group (NWCG) classes in the next year and 15-20 State Fire Marshall (SFM) classes. We are currently discussing the need for a firefighter 1 Academy.

##### Description

Since the Fire Technology program was started in 2007, many classes have been added or deleted from the program (see appendix A) The Curriculum/Academic Standards committees have approved all changes. As this is the fifth instructional program review, all active Fire Science courses have been reviewed for currency and have been submitted to the Curriculum Committee. We are required to review our classes yearly as there are many changes to state and federal classes each year.

Evaluation

As a result of course review,

- Degree applicable courses meet the core requirements for the A.S. Degrees, Certificates of Achievement, and elective requirements for the A.S. Degrees.
- Certain stand-alone courses meet the requirements for vocational training.
- Student Learning Outcome have been prepared for each course and approved by the Curriculum Committee.

An Existing Course Revision Form was completed for each course and submitted to the Curriculum Committee.

Planning Agenda

We hope to offer a Fire Fighter 1 Academy and some Forestry Courses

Description

C. Scheduling and Enrollment Patterns

As stated earlier the Fire program seems to have a cycle where every two years the courses taught on campus show a drop in enrollment. We offer all of our classes on a two year cycle. When we add the state classes there will be on a yearly cycle or an 18 month cycle.

The Fire Technology program for both the AS degree and the certification is currently being offered in a two-year cycle. The classes are offered starting in mid-October and run until mid-April. There are currently very few classes offered during the summer months. The late start/early out program has seemed to work very well for students who are trying to work for local fire agencies. Our hope is to get a condensed Natural Science, Social Science, Humanities, and Math so more of our students will get their AS Degree. The specifics of the two-year scheduling plan are found in Appendix B.

As indicated by the FTE chart below, enrollments have been increasing particularly over the last two years.

**Fire Technology Program  
FTE Comparison Fall 2004- Spring 2015**

Top Code	Title	Credit FTEs 2016/2017	Credit FTEs 2015/2016	Credit FTEs 2014 /2015	Credit FTEs 2013/ 2014	Credit FTEs 2012/ 2013
2133	Fire Technology		179.21	181.5	189.4	205.1

Evaluation

Enrollment patterns show the fire technology program has leveled out during the last two years. Enrollments are expected to stabilize over the next couple of years. A large part of our enrollment is from our contract with CDF and the CCC prison. When the number of inmates changes, it is reflected in our numbers.

Recommendations/Plan

1. Add structure firefighter classes and offer more State Fire Marshall classes.
2. Use the CTE transitions grant to recruit from High schools in the outlying area.

D. Articulation/Integration of Curriculum

Description/ Evaluation:

Our program is currently transferable to state colleges and Universities with four-year degrees in Fire Science, such as Cal State Sacramento and UNR.

Planning Agenda

None

E. Equipment

Description/ Evaluation:

The fire program currently has over \$500,000 worth of equipment. Much of the equipment has been donated by local fire agencies. The type two fire engines that we currently own were acquired from CA OES. The other type three fire engine was bought with VETA funds. We have 4 large pumps, 8 chain saws, 1 rescue saw, 6 rescue ladders, 4 different types of extrication equipment, 2 extrication pumps, 1 set extrication air bags, 60 sets of wildland PPE and 25 sets structure PPE(personal protective equipment). Most of the PPE equipment has a shelf life of from 3 to 5 yrs. set by OSHA. Once it has reached its shelf life it can no longer be used and must be replaced. All of the mechanical equipment has to be inspected and serviced on a yearly basis. The ladders have to be inspected by a qualified inspector. We are currently looking for a type one fire engine and would like to buy more ladders.

The PPE must be cleaned and inspected at least once a year. Most of the equipment is new and does not need to be replaced for the next 2 to 5 years. We currently do not have the budget to replace this equipment and rely on the VETA grant for new equipment. We have acquired a washer and dryer to use for the cleaning of the PPE, yet we have no means to utilize it. The fire cache has no hooks up it. If we did it has the potential to save us many dollars but takes a lot of time to perform this task. We are waiting for an ISS position on a half time basis to be filled currently its falling on the director and whatever instructors will volunteer. Other colleges with much less equipment than us have this as a full time position. Just the volume and financial investment of this amount of equipment justifies the position plus the burden of the safety issues of students using unsafe equipment.

**Planning Agenda:**

It is very clear that for the college to maintain the current amount and safe condition of our fire equipment we will need to increase the current budget and will need to fill the ISS position.

**Due date: Program (2017 Fire Technology Instructional Program Review)**  
**Prioritized Recommendations Requiring Institutional Action for Inclusion in Educational Master Plan**

**IV: OUTSIDE COMPLIANCE ISSUES (if appropriate for program)**

**Description:**

The Fire technology program is unique in that not only does it have to meet standards set by the chancellor’s office but must also conform with NWCG (national wildfire coordination group), Ca. State Fire Training and OSHA .

**Evaluation:** Assess changes in compliance or identification of compliance-related needs and the impact on the Special Program.

**Planning Agenda:**

Need to fill ISS position to maintain compliance with all regulations.

**V. Prioritized Recommendations for Implementation by Program Staff Fill**  
**ISS position as soon as possible**

**Due date: Program**  
**Prioritized Recommendations Requiring Institutional Action for Inclusion in Education Master Plan**

Strategic Goal	Planning Agenda Item	Implementation Time Frame	Estimated Cost	Expected Outcome
3,4	Full time Instructor	Immediate	None, we get rid of the director position. Saving the college 40,000.00	To offer more classes and increases our FTES

3,4	ISS position	Immediate	20,000.00 it's a 20 hours a week 8 months a year	We keep our equipment in working order
3,4	Training Tower	Immediate	70,000	Support student job Training, job placement opportunities, and safety
3,4	Fire door prop	Immediate	8,000	"
3,4	Type one fire engine	Immediate	20,000	"
3,4	Misc. Cal fire PPE	Immediate	5,280	"
3,4	4 hand held radios	Immediate	5000	"

3,4	Misc. fire hose brass	Immediate	4,250	"
3,4	500 IRPGs	Immediate	800	"
3,4	1 Unit Misc. Lumber	Immediate	1,500	"
3,4	Misc. fire hose	Immediate	8,000	"
3,4	20 Misc. Hand tools	Immediate	1,000	"
3,4				"

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## SECTION TWO: HUMAN RESOURCE PLANNING

### A. Program Staffing

*Description* The level of staffing for the 2016/2017 academic year is as follows:

<b>Full time Director position</b>	<b>Part Time Faculty</b>	<b>Classified Employees Instructional Site Administrative Coordinator 50%/50%</b>
Chad Lawson Interim	Adam Butler	Darlene Walsh
	Chad Lawson	Kyle Bare
	Dan Weaver	
	Mike Rivas	
	<b>Contract Instructors</b>	
	Isaac Thornton	
	Allan Schultz	
	Dana Higgins	
	Zane Cuthill	
	Dillon Sutton	

### Evaluation

We have not been able to offer some of our classes because we could not find a qualified instructor. Living in a remote area is a handicap for acquiring qualified instructors. Since the number of FTES the fire program creates has gone from less than 2 to almost 200 per year, having a Full time instructor would help with our shortage of part time instructors. This instructor would have to be able to meet all State Fire Marshall and NWCG instructor qualification. There is a need for an ISS assistant and a tool manager. These positions could be combined into one position

Recommendations/Plan

- Employ part-time equipment manager/ISS position
- Employ full -time Fire Technology Instructor
- Employ Administrative Assistant ISAC ( Instructional Site Administrative Coordinator) position with 2 part time positions

B. Professional Development

We would like to get our instructors more state fire classes. Also those employees with full time status will have to be allowed to fight fire once a year to keep their fire qualifications.

Description

We have not had the funds to attend as many of the trainings as are needed but as the program develops we hope to attend more.

Evaluation

The part time fire Program faculty members have shown a desire to seek any and all training that would be available to them. One of the part time faculty as made an offer to college to pursue becoming a master instructor for State Fire Training if the College will help with the financial costs.

Recommendations/Plan

Identify and attend additional professional development activities as they become available and are needed, provided there are available funds.

C. Student Outcomes

Description/ Evaluation:

None recommended human resource improvements

D. Prioritized Recommendations for Implementation by Program Staff

Identify and attend additional professional development activities as they become available and are needed, provided there are available funds.

2015 Fire Technology Instructional Program Review

Prioritized Recommendations Requiring Institutional Action for Inclusion in Human Resource Master Plan

Strategic Goal	Planning Agenda Item	Implementation Time Frame	Estimated Cost	Expected Outcome
3	Full-Time Instructor	Immediate	\$90,000	Increase support of program and enhance student success



	Part Time equipment manager/ISS position	Immediate		
	Employ Administrative Assistant ISAC (Instructional Site Administrative Coordinator) position with 2 part time positions	Immediate		

## SECTION THREE: FACILITIES PLANNING

### Description

We moved from the old Credence High school this year losing three class rooms. Our offices are currently in VT119. It is being discussed that our offices will move to the correspondence office this summer. Currently we have no dedicated class room. We have a lot of props that we use while teaching currently they need to be moved each time a class is taught. It would be nice to have a class room that we could permanently set up and leave things in. There is discussion that we will use grant monies to remodel the portable "M" for the Fire Technology Department however, at the writing of this document it is still in the discussion stage. Our goal is to be able to have our own class room to set our SIMS sand table up.

### Evaluation

Evaluation of the facilities available to the Fire Technology Department has yielded several truths:

- The current facility does not have improved space for live scenarios and fire training
- The current facility is limited in space for student activity and storage of student materials
- Availability of classroom space is limited due to the fact that we have grown from less than 2 FTES to a high of 200 FTES per year and are expecting even more growth.

### Planning Agenda:

Acquire a full service, and modern Fire Technology Training Center on campus. This can be done by giving us Portable M and a training tower, or the Cogen plant

### Prioritized Recommendations for Implementation by Program Staff

None

### 2013 Fire Technology Instructional Program Review

#### Prioritized Recommendations Requiring Institutional Action for Inclusion in Facilities Master Plan

Strategic Goal	Planning Agenda Item	Implementation Time Frame	Estimated Cost	Expected Outcome
3, 4	Additional class Space	Immediate	Unknown	Provide space for additional sections and generate additional FTES

3, 4	Acquire Public Safety Training Facility (i.e. Portable M or Cogen)	Immediate	Unknown	Provide all-inclusive space for Fire technology program including storage, offices, classroom, outdoor training
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## SECTION FOUR: TECHNOLOGY PLANNING

### Description/ Evaluation:

1. Describe and evaluate technology and technology support provided for instruction and instructional support.
2. Describe any technology and technology support needs identified by assessment of student learning outcomes.

### Planning Agenda:

List recommendations and necessary actions necessitated by the above evaluation. Complete Academic Planning, Facilities Planning, Technology Planning and Human Resource Planning Forms as appropriate for any recommendations requiring institutional action.

### Prioritized Recommendations for Implementation by Program Staff/Advisory Committee

### Prioritized Recommendations Requiring Institutional Action for Inclusion in Technology Master Plan

Strategic Goal	Planning Agenda Item	Implementation Time Frame	Estimated Cost	Expected Outcome
1	Need 2 classrooms that will hold at least 35 students	2017	\$50,000.00	When move to M
2	Training Tower	2018	\$70,000.00	When funds are made available
1	10 iPad for new classes and the simtable	2017	6,000.00	More FTES

## Appendix A

## Fire Technology 2016/2017

A.S. Degree \_\_\_\_\_

Certificate of Achievement \_\_\_\_\_

I. \_\_\_\_\_ A.S. Degree requires 60 Units, Certificate of Achievement requires 42 units.

II \_\_\_\_\_ A minimum GPA of 2.00/and a grade of 'C' or better in each core course.

### III Required Core Courses: 18 Units

_____ FS 3 Fundamentals of Fire Prevention	3 Units
_____ FS 4 Fire Protection Equipment and Systems	3 Units
_____ FS 5 Fire Orientation and Organization	3 Units
_____ FS 6 Building Construction for Fire Protection	3 Units
_____ FS 8 Wildland Fire Suppression	2 Units
_____ FS 13 Fire Behavior and Combustion	3 Units
_____ FS 14 Principles of Fire safety and Survival	3 Units

### IV Required Electives: 12 units (Select from the following)

_____ EMT 61 Emergency Medical Technician	1 Unit
_____ FS 20 First Aid-CPR for public employees	.5 Unit
_____ FS 23 Ignitions Operations	1.5 Units
_____ FS 26 Basic Air Operations	1 Unit
_____ FS 49 Fire Technology Work Experience	1-4 Units
_____ FS 55 Fire Investigation	3 Units
_____ FS 56 Helicopter Crewmember	2 Units
_____ FS 57 Auto Extrication	.5 Unit
_____ FS 60 Wildland Firefighter (CDF Basic 179)	3 Units
_____ FS 60A Basic Firefighter (CDF Hand Crew)	3 Units
_____ FS 61 Basic Firefighter Training	2 Units

_____	FS 64 Instructor I	2.5 Units	
_____	FS 66 Fire Prevention 1-A	2 Units	
_____	FS 69 Fire Management 1	2 Units	
_____	FS 70 Dozer Boss (S-232)	1 Unit	
_____	FS 70A Single Resource Boss Academy	2.5 Units	
_____	FS 70B Engine Boss	1 Unit	
_____	FS 70C Crew Boss	1 Unit	
_____	FS 72 First Responder-Hazardous Materials	1 Unit	
_____	FS 73A Incident Business Management (S-260)	1 Unit	
_____	FS 73B Applied Interagency Incident Business Management	1 Unit	
_____	FS 74 Fire in the Interface	1 Unit	
_____	FS 75 Fire Behavior (S-290)	2 Units	
_____	FS 76 Fire Fighter I Squad Boss	.5 Unit	
_____	FS 77 Human Factors on the Fire line (L-180)	.5 unit	
_____	FS 78 Leadership (L-280)	1 unit	
_____	FS 79 Ground Support Unit Leader (I-355)	1.5 units	New class
_____	FS 81 Wildland Firefighter Safety		
_____	FS 82 Fire Command 1-A	2 units	
_____	FS 83 Fire Command 1-B	2 units	
_____	FS 84 Lessons Learned	1 unit	
_____	FS 85 Understanding Maps, Compass & GPS	1 unit	
_____	FS 86 Emergency Vehicle Operations	.5 unit	
_____	FS 87 Expanded Dispatch Recorder (D-110)	1 unit	New class
_____	FS 88 Initial Attack Incident Commander (S-200)	1 unit	
_____	FS 89 Wildland Chainsaws (S-200)	1 unit	
_____	FS 90 Portable Pumps and water Use (S-211)	1 unit	
_____	FS 98.18 Annual Fire Refresher Training	0.5 unit	
_____	FS 98.20 Annual Hired Equipment Refresher Training	0.5 unit	

**Non Credit Courses:**

\_\_\_\_\_ FS 150 National Incident Management System (NIMS700) is available and is recommended for employees of Emergency Response Agencies.

\_\_\_\_\_ FS 156 Pump Operations for Volunteers

**Lassen College  
Wildland Organized Crew Academy**

**Certificate of Accomplishment**

List of Courses

1. FS 49 Work Experience            1 unit
2. FS 61 Basic 32                    2 units
3. FS 74 Fire in the Interface      1 unit
4. FS 84 Lessons Learned          1 unit
5. FS 8 Wildland Fire Suppression 2 units

**FS Course Student Achievement of SLOs**

Full Course	SLO	2013FA	2014SP	2014FA	2015SP	2015FA	Total
FS 3	SLO 1		95%				95%
FS 4	SLO 1	87%				82%	85%
FS 5	SLO 1	88%				90%	89%
FS 6	SLO 2			100%			100%
FS 13	SLO 3			86%			86%

	SLO 4			90%		90%
FS 14	SLO 1				100%	100%
FS 21	SLO 1	82%	79%			80%
	SLO 2			88%		88%
FS 23	SLO 1		100%			100%
FS 51	SLO 1			88%		88%
	SLO 2	93%				93%
FS 52	SLO 1	100%				100%
FS 55	SLO 1	89%				89%
FS 56	SLO 1		100%	100%		100%
FS 57	SLO 1		100%			100%
FS 60A	SLO 1	82%	100%			92%
FS 61	SLO 1		100%			100%
FS 62	SLO 1		100%			100%
FS 62A	SLO 1		100%			100%
FS 63	SLO 1		100%			100%
FS 69	SLO 1		71%			71%
FS 70	SLO 1				100%	100%
FS 70A	SLO 1		100%			100%
FS 72	SLO 1	82%		100%		93%
FS 73A	SLO 1	100%				100%
FS 73B	SLO 1	92%			100%	95%
FS 74	SLO 1				100%	100%
FS 75	SLO 1		100%		88%	92%

FS 78	SLO 1		100%				100%
FS 8	SLO 2		96%				96%
FS 87	SLO 1		100%		100%		100%
FS 89	SLO 1		100%				100%
FS 90	SLO 1		100%				100%
FS 90.2	SLO 1		100%				100%
FS 98.18	SLO 1		100%				100%
FS 98.21	SLO 1		65%				65%
FS 706	SLO 1				77%		77%
FS 707	SLO 1				75%		75%
<b>Total</b>		<b>84%</b>	<b>98%</b>	<b>91%</b>	<b>97%</b>	<b>86%</b>	<b>94%</b>

<b>Course Number</b> APPENDIX B 2 Year Course Scheduling	<b>Course Title</b>	<b>Spring</b>	<b>Summer</b>	<b>Fall</b>	<b>Sj</b>
		2017	2017	2017	
FS 3 (3 units)	Fundamentals of Fire Prevention				
FS 4 (3 units)	Fire Protection Equipment and Systems			X	X
FS 5 (3 units)	Fire Orientation and Organization			X	
FS 6 (3 units)	Building Construction for Fire Protection				



FS 8 (2 units)	Wildland Fire Suppression	X			
FS 13 (3 units)	Fire Behavior and Combustion				X c
FS 14 (3 units)	Principles of Fire safety and Survival	X		X online	
FS 20 (.5 units)	First Aid CPR			X	
FS 23 (1.5 units)	Ignitions Operation			X	
FS 26 (1 unit)	Basic Air Operations				
FS 49 (1-4 units)	Fire Technology Cooperative Work Experience	X	X	X	
FS 51( .5units)	Intro to Fire Careers			X	
FS 52 (2 units)	Incident Command System (I-200/300)	X		X	
FS 53 (.5 units)	ICS-100				
FS 54 (.5 units)	Nims 700				
FS 55 (3 units)	Fire Investigation			X	
FS 56 (2 units)	Helicopter Crewmember	X			
FS 57 (.5 unit)	Auto Extrication	X			
FS 58 (.5 units)	Intro to Wildland Fire Behavior (S-290)				
FS 59 (.5 units)	Confined Space Awareness				
FS 60 (3 units)	Wildland Firefighter (CDF Basic 179)	X			
FS 60A ( 3 units)	Basic Fire Crew Firefighter (CDF Handcrew)	X	X	X	
FS 61 (2 units)	Basic Firefighters Training (Basic 32)	X			
FS 64 (2.5 units)	Instructor I				
FS 66 (2 units)	Fire Prevention 1-A			X	
FS 69 (2 units)	Fire Management 1			X	
FS 70 (1 unit)	Dozer Boss (S-232)				
FS 70A (2.5 units)	Single Resource Boss Academy				
FS 70B (1 unit)	Engine Boss				
FS 70C (1 unit)	Crew Boss	X			
FS 72 (1 unit)	First Responder - Hazardous Materials	X			
FS 72A (.5 unit)	Hazardous Materials Refresher				

FS 73A (1 unit)	Incident Business Management (S-260)				
FS 73B (1 unit)	Applied Interagency Incident Business Management				
FS 74 (1 unit)	Fire in the Interface (S-215)	X			
FS 75 (2 units)	Fire Behavior (S-290)	X			
FS 76 (.5units)	Fire Fighter 1 Squad Boss	X			
FS 77(.5units)	L-180 Human Factors	X			
FS 78 (1 unit)	L-280 Leadership				
FS 79A (2 units)	Ground Support Unit Leader				

FS 80 (1 units)	Fire Fighter Survival				
FS 81 (.5 units)	Wildland Firefighter Safety	X			
FS 82 (3 unit)	Fire Command 1A			X	
FS 83 (3 units)	Fire Command 1B				
FS 84 (1 units)	Lessons Learned			X	
FS 85 (1 unit)	Understanding Maps, Compass & GPS	X			
FS 86 (.5 unit)	Emergency Vehicle Operation				
FS 87 (1 unit)	Expanded Dispatch Recorder	X			

FS 88 (1 unit)	Initial Attack Incident Commander				
FS 89 (1.5 units)	Wildland Fire Chainsaws	X			
FS 90 (1 unit)	Portable Pumps & Water use	X			
FS 98.18 (.5 units)	Annual Fire Refresher Training	X			
FS 98.20 (.5 units)	Annual Hired Equipment Refresher Training	X			
FS 98.21 (2.5 units)	Volunteer Fire Academy	X			
FS 150 (.5 units)	NIMS S-700				
<b>Noncredit Courses</b>					
FS 156	Pump Operations for Volunteers				

**APPENDIX C APPENDIX C**

Fire Technology Instructional Program Review:  
 Status of Curriculum Review December 1, 2015

Course	Curriculum Committee Review Completed	Curriculum Committee Review Not Completed
FS 3 Fundamentals of Fire Prevention	11//03/2015	
FS 4 Fire Protection Equipment and Systems	12/06/2016	
FS 5 Fire Organization and Management	1/17/2017	
FS 6 Building Construction for Fire Protection	03/15/2016	
FS 8 Wildland fire Suppression	01/17/2017	
FS 13 Fire Behavior and Combustion	08/03/2016	
FS 14 Principles of Fire Safety and Survival	08/30/2016	
FS 20 First Aid-CPR or Public Safety	01/17/2017	
FS 22 Strike Team Leader	01/17/2017 New	
FS 23 Firing Operations	01/17/2017 Title change	
FS 26 Basic Air Operations (S-270)	11/15/2017	
FS 51 Introduction to Fire Technology Careers	01/17//2017	
FS 53 ICS 100	12/06/2016 New	
FS 52 Incident Command I System (1-200/300)	11/15/2017	
FS 54 NIMS 700a	01/17/2017 New	
FS 55 Fire Investigation	11/15/2016	
FS 56 Helicopter Crew Member	11/15/2016	
FS 57 Auto Extrication	11/15/2016	

FS 58 Introduction to Wildland Fire Behavior	12/06/2017 New	
FS 59 Confined Space	12/06/2016 New	
FS 60 Wild land Firefighter (Cal Fire Basic Training)	03/04/2014	
FS 60A Basic Fire Crew Firefighter	11/15/2015	
FS 61 Basic Firefighter Training (Basic 32)	08/18/2015	
FS 64 Fire Instructor I Instructional Methodology	02/11/2017 New	

FS 66 Fire Prevention I	11/18/2014
FS 69 Fire Management I	11/15/2016
FS 70 Heavy Equipment Boss (S232)	12/06/2016 Title Change
FS 70A Single Resource Boss Academy	11/15/2016
FS 708 Engine Boss (Single Recourse)	11/15/2016
FS 72 First Responder Hazardous Materials	11/15/2016
FS 72A First Responder Hazardous Materials Refresher	11/15/2016
FS 73A Incident Business Management (S-260)	05/06/2014
FS 738 Applied Incident Business Management (S261)	05/069/2014
FS 74 Fire in the Interface (S-215)	11/15/2016
FS 75 Fire Behavior (S290)	08/18/2015
FS 76 Firefighter Type 1 (Squad Boss) S-131	08/18/2015
FS 77 Human Factors on the Fire line L-180	11/15/2016
FS 78 Fellowship to Leadership L-280	08/18/2015
FS 79A Ground Support Unit Leader (S-355)	11/18/2014
FS 80 Firefighter Survival	12/06/2016 New
FS 81 Wildland Firefighter Safety and Survival	12/06/2016 new
FS 82 Fire Command I A	11/15/2016
FS 83 Fire Command I B	11/15/2016
FS 84 Lessons Learned (Fatality fire Case Studies)	11/15/2016
FS 85 Understanding Maps, Compass & GPS	11/15/2016
FS 86 Emergency Vehicle Operation	11/15/2016
FS 87 Expanded Dispatch Recorder	11/15/2016
FS 88 Initial Attach Incident Commander	01/21/2014

3/29/2017

www.assist.org  
CSU Baccalaureate Level Course List by Department  
Lassen Community College  
16-17

Page 1


Course	Title	Semester Units
<b>=== Fire Science ===</b>		
FS 3	Fundamentals of Fire Prevention	3
FS 4	Fundamental of Fire Prevention Equipment	3
FS 5	Fire Orientation and Management	3
FS 6	Building Construction for Fire Protection	3
FS 7	Basic Firefighter Training (Wildland)	1
FS 8	Wildland Fire Suppression	2
FS 13	Fire Behavior and Combustion	3
FS 14	Principles of Fire Safety and Survival	3
FS 20	First Aid/CPR for the Public Safety Employee	.5
FS 23	Ignitions Operation	1
FS 26	Basic Air Operations	1
FS 49	Fire Science Work Experience	1-8

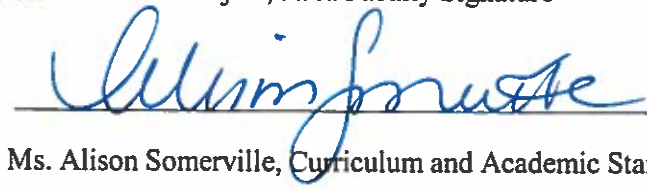
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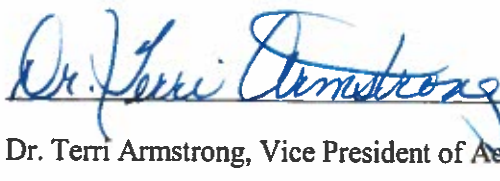


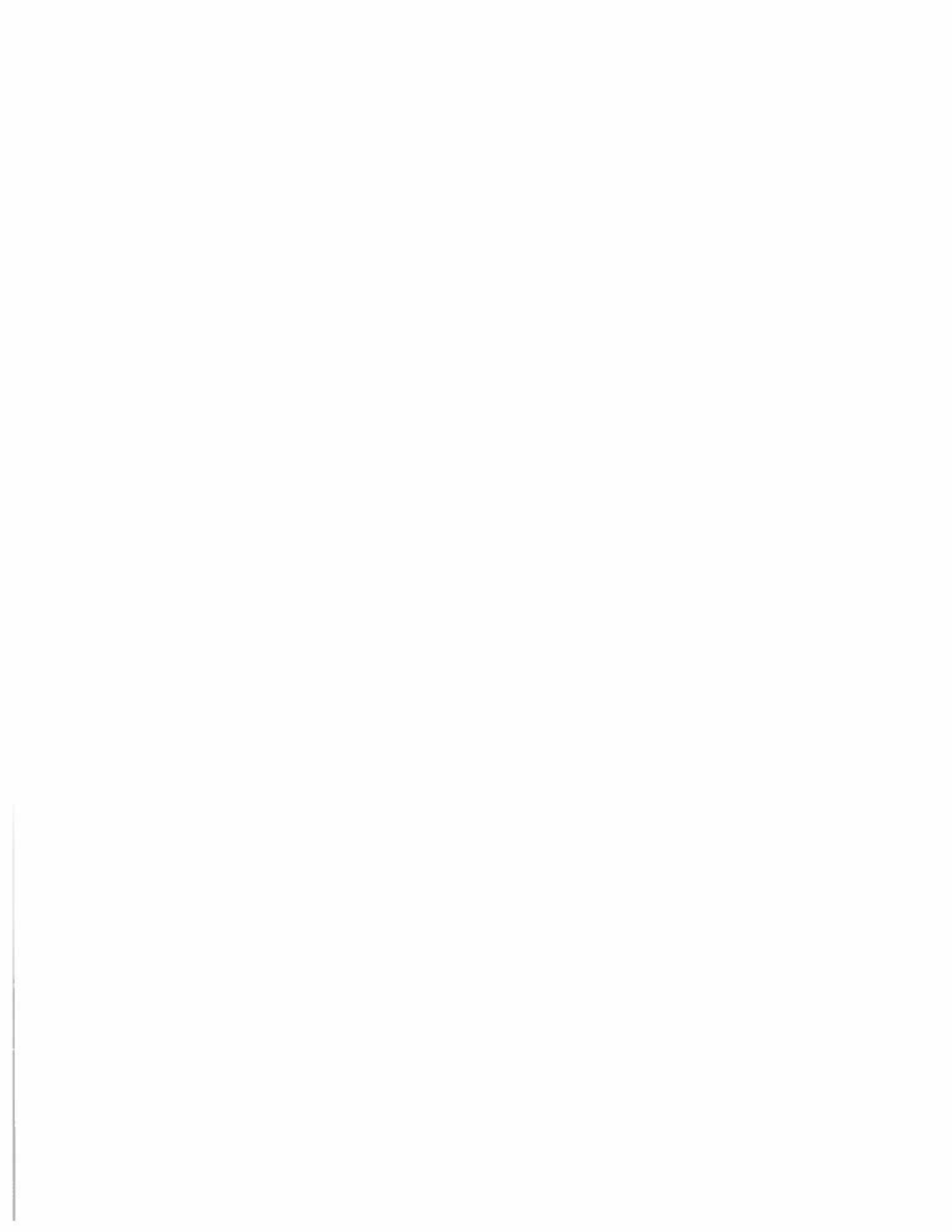


**Fire Technology Instructional Program Review 2015**

  
\_\_\_\_\_ 3/29/17  
Chad Lawson Subject, Area Faculty Signature Date

  
\_\_\_\_\_ 3/29/17  
Ms. Alison Somerville, Curriculum and Academic Standards Committee Chair Signature Date

  
\_\_\_\_\_ 3.29.17  
Dr. Terri Armstrong, Vice President of Academic Services/AD Signature Date



FS 89 Wildfire Chainsaws (S212)	08/18/2015
---------------------------------	------------

1

FS 90 Potlable Pumps and Water Use (S211)	11/15/2016	
FS 90 I-suites Incident Base Automation	12/06/2016 New	
FS 98.18 Annual Fire line Safety Refresher Training	11/15/2016	
FS 98.20 Annual Hired Equipment Refresher	08/18/2015	
FS 98.21 Volunteer tire Academy	05/05/2015	
FS 156 Pump Operation	08/18/2015	
Degree/Certificate	Curriculum Committee Review Completed	Curriculum Committee Review Not Completed
AS Fire Technology	01/17/2017	
COA Basic Firefighter	07/08/2014	
CA Fire Technology	11/17/2015	

**APPENDIX D**

<b>Fire Technology Program KPIs 2010-11 through 2014-15</b>					
<b>Indicator</b>	<b>Term</b>	<b>Trend</b>	<b>First Year</b>	<b>Final Year</b>	<b>Trend</b>
<b>FTES</b>	<b>Summer</b>		<b>45.1</b>	<b>35.3</b>	<b>-22%</b>
	<b>Fall</b>		<b>63.5</b>	<b>61.9</b>	<b>-3%</b>
	<b>Spring</b>		<b>80.8</b>	<b>84.3</b>	<b>4%</b>
	<b>Annual</b>		<b>189.4</b>	<b>181.5</b>	<b>-4%</b>
<b>Sections</b>	<b>Summer</b>		<b>15</b>	<b>12</b>	<b>-20%</b>
	<b>Fall</b>		<b>25</b>	<b>24</b>	<b>-4%</b>
	<b>Spring</b>		<b>35</b>	<b>47</b>	<b>34%</b>
	<b>Annual</b>		<b>75</b>	<b>83</b>	<b>11%</b>
<b>FTES per Section</b>	<b>Summer</b>		<b>3.0</b>	<b>2.9</b>	<b>-2%</b>
	<b>Fall</b>		<b>2.5</b>	<b>2.6</b>	<b>2%</b>
	<b>Spring</b>		<b>2.3</b>	<b>1.8</b>	<b>-22%</b>
	<b>Annual</b>		<b>2.5</b>	<b>2.2</b>	<b>-13%</b>
<b>FTEF</b>	<b>Summer</b>		<b>1.6</b>	<b>0.1</b>	<b>-91%</b>
	<b>Fall</b>		<b>2.3</b>	<b>0.8</b>	<b>-66%</b>
	<b>Spring</b>		<b>2.9</b>	<b>2.9</b>	<b>-1%</b>
	<b>Annual</b>		<b>6.8</b>	<b>3.8</b>	<b>-44%</b>
<b>FTES per FTEF</b>	<b>Summer</b>		<b>28.0</b>	<b>236.8</b>	<b>745%</b>
	<b>Fall</b>		<b>27.7</b>	<b>80.0</b>	<b>189%</b>
	<b>Spring</b>		<b>27.6</b>	<b>29.2</b>	<b>6%</b>
	<b>Annual</b>		<b>27.7</b>	<b>47.6</b>	<b>72%</b>
<b>Enrollment</b>	<b>Summer</b>		<b>508</b>	<b>386</b>	<b>-24%</b>
	<b>Fall</b>		<b>718</b>	<b>694</b>	<b>-3%</b>

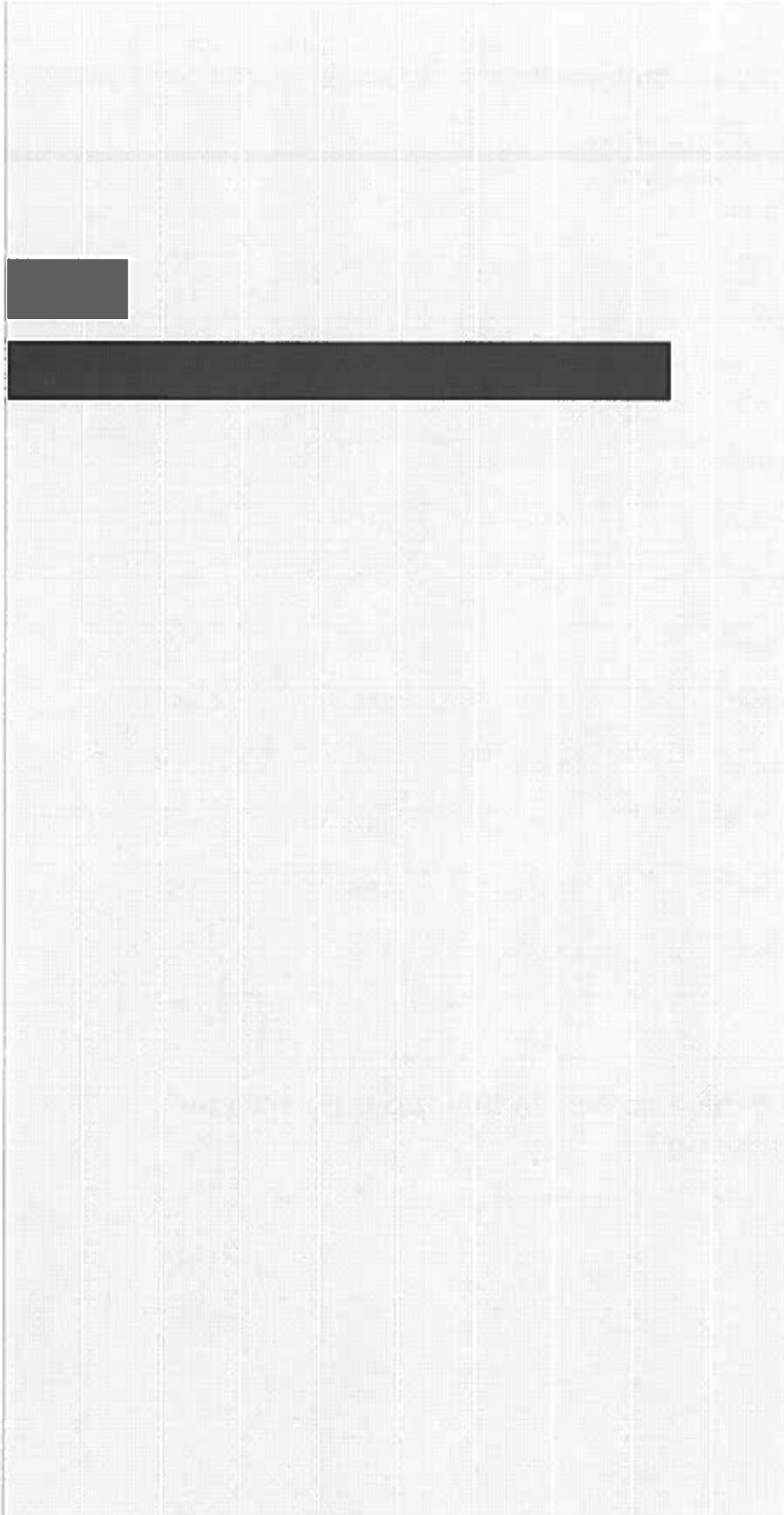
<b>Spring</b>		<b>1,342</b>	<b>1,340</b>	<b>0%</b>

**2015 Fire Technology  
Instructional Program Review**

	<b>Annual</b>		<b>2,568</b>		<b>-6%</b>
<b>Enrollment per Section</b>	<b>Summer</b>		<b>33.9</b>	<b>32.2</b>	<b>-5%</b>
	<b>Fall</b>		<b>28.7</b>	<b>28.9</b>	<b>1%</b>
	<b>Spring</b>		<b>38.3</b>	<b>28.5</b>	<b>-26%</b>
	<b>Annual</b>		<b>34.2</b>	<b>29.2</b>	<b>-15%</b>
<b>Course Completion</b>	<b>Summer</b>		<b>99%</b>	<b>74%</b>	<b>-26%</b>
	<b>Fall</b>		<b>87%</b>	<b>82%</b>	<b>-6%</b>
	<b>Spring</b>		<b>94%</b>	<b>90%</b>	<b>-3%</b>
	<b>Annual</b>		<b>93%</b>	<b>85%</b>	<b>-8%</b>
<b>Success</b>	<b>Summer</b>		<b>90%</b>	<b>73%</b>	<b>-18%</b>
	<b>Fall</b>		<b>82%</b>	<b>80%</b>	<b>-2%</b>
	<b>Spring</b>		<b>89%</b>	<b>88%</b>	<b>-2%</b>
	<b>Annual</b>		<b>87%</b>	<b>83%</b>	<b>-5%</b>
<b>Awards</b>	<b>Annual</b>		<b>3</b>	<b>3</b>	<b>0%</b>

**Q1 Which course in this program are you reviewing?**

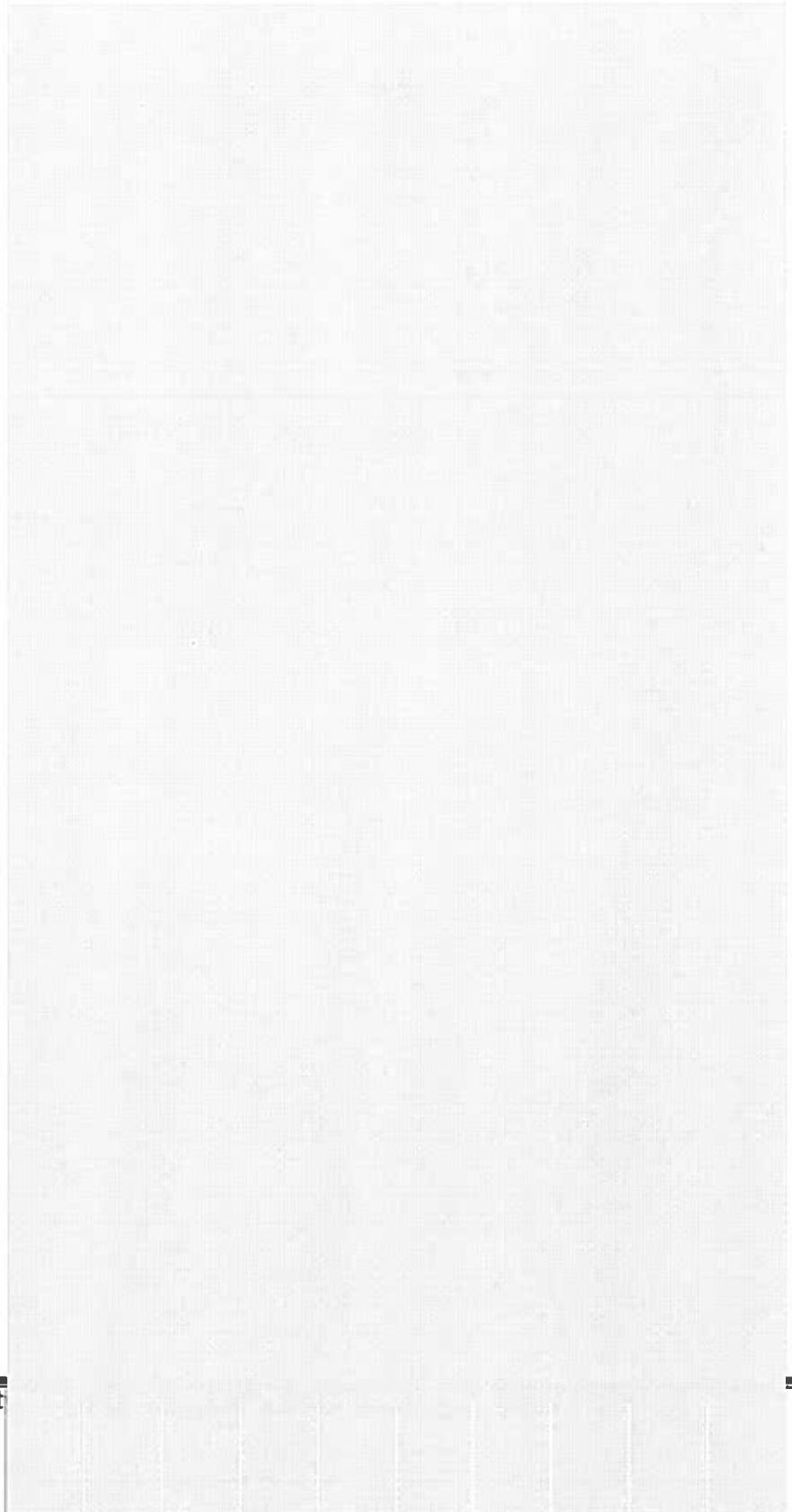
Answered: 13 Skipped: 1



FS 3

FS 4  
FS 5  
FS 6  
FS13  
FS 14  
FS 21  
FS 23  
FS 52  
FS 55  
FS 57  
FS 60  
FS 60A  
FS 61  
FS 62  
FS 62A  
FS 63  
FS 66

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FS 67  
FS 69  
FS 70  
FS 70A  
FS 72

FS 73A FS 73B FS 74

FS 75  
FS 76  
FS 77  
FS 78  
FS 82  
FS 83  
FS 84  
FS 85  
FS 86  
FS 87  
FS 88  
FS 156

Other (please specify)

Fire Technology Instructional Program Review 2017

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Answer Choices	Responses	
FS 3	0.00%	0
FS 4	0.00%	0
FS 5	0.00%	0
FS 6	15.38%	2
FS13	84.62%	11
FS 14	0.00%	0
FS 21	0.00%	0
FS 23	0.00%	0
FS 52	0.00%	0
FS 55	0.00%	0
FS 57	0.00%	0
FS 60	0.00%	0
FS 60A	0.00%	0
FS 61	0.00%	0
FS 62	0.00%	0
FS 62A	0.00%	0
FS 63	0.00%	0
FS 66	0.00%	0
FS 67	0.00%	0
FS 69	0.00%	0
FS 70	0.00%	0
FS 70A	0.00%	0
FS 72	0.00%	0
FS 73A	0.00%	0
FS 73B	0.00%	0
FS 74	0.00%	0
FS 75	0.00%	0
FS 76	0.00%	0
FS 77	0.00%	0
FS 78	0.00%	0
FS 82	0.00%	0
2017 Fire Technology Instructional Program Review	0.00%	Page 38 0

Fire  
Review 2017

Technology Instructional Program

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

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FS 84	0.00%	0
FS 85	0.00%	0
FS 86	0.00%	0
FS 87	0.00%	0
FS 88	0.00%	0
FS 156	0.00%	0
Other (please specify)	0.00%	0
<b>Total</b>		<b>13</b>

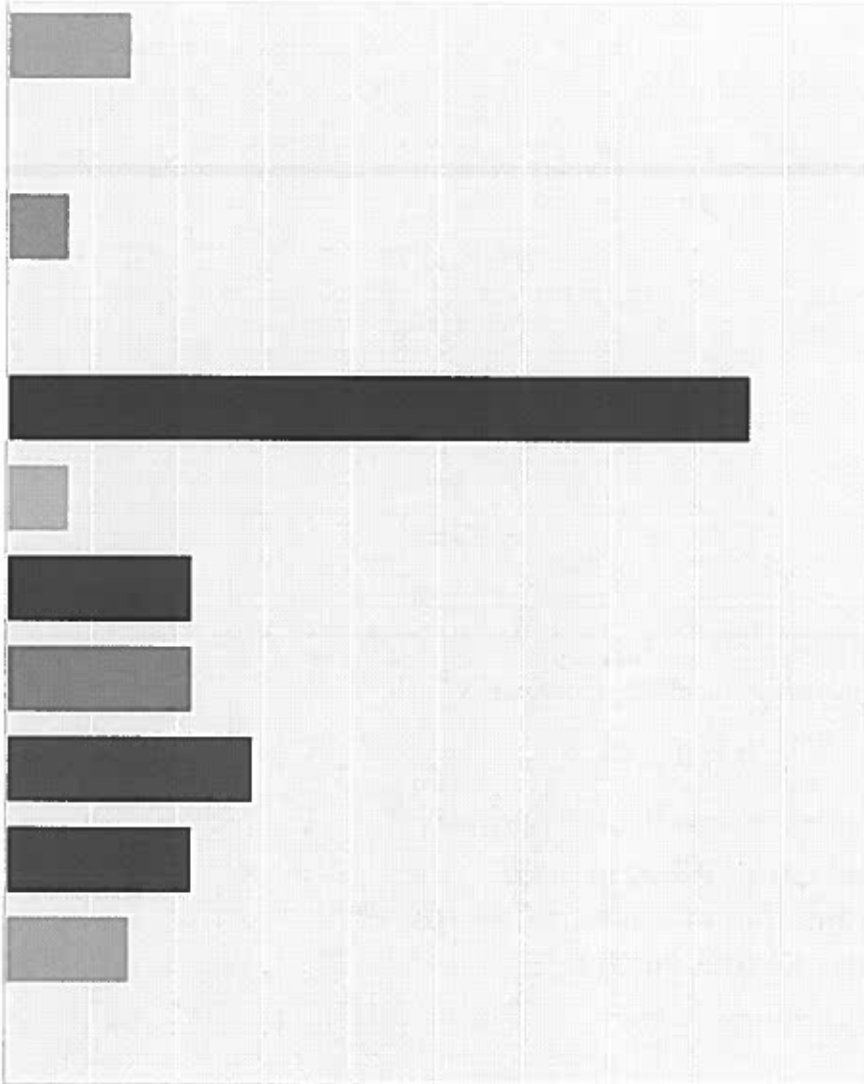
Fire Technology Instructional Program Review 2017

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Fire Technology Instructional Program Review 2017

**Q2 Educational Goal: What is your educational objective at Lassen Community College. (Check all that apply).**

Answered: 14 Skipped: 0



Transfer to a  
4-year...

IGETC

CSU  
Certification

UNR  
Certification

AA/AS

Certificate of  
Achievement

Certificate of  
Completion

Certificate of  
Accomplishment

Job Requirement

Continuing  
Education

Personal  
Development

Transfer to  
another...

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

Answer Choices	Responses	
Transfer to a 4-year Institution	14.29%	2
IGETC	0.00%	0
CSU Certification	7.14%	1
UNR Certification	0.00%	0
AA/AS	85.71%	12
Certificate of Achievement	7.14%	1
5 / 26		
Certificate of Completion	21.43%	3
Certificate of Accomplishment	21.43%	3
Job Requirement	28.57%	4
Continuing Education	21.43%	3
Personal Development	14.29%	2
Transfer to another community college	0.00%	0
<b>Total Respondents: 14</b>		

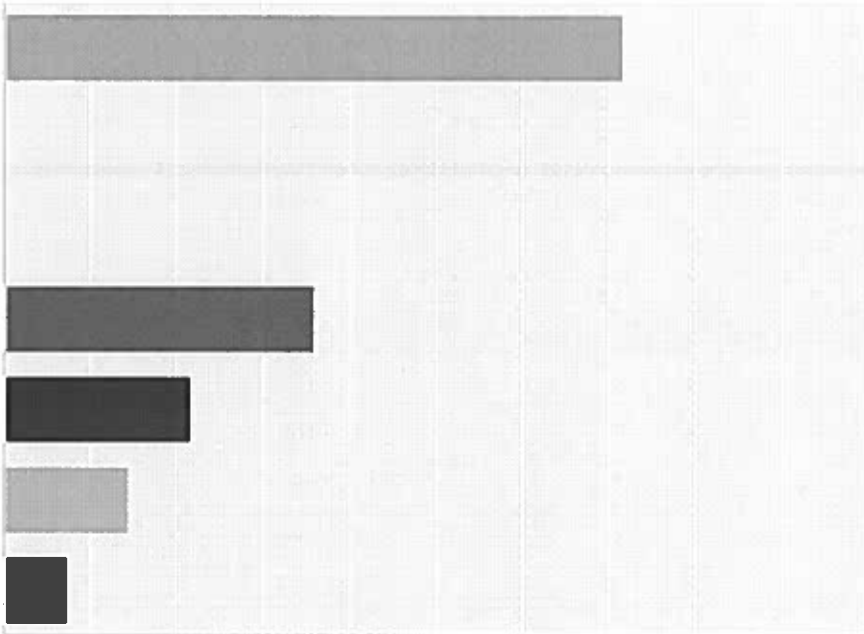
Fire Technology Instructional Program Review 2017

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Fire Technology Instructional Program Review 2017

**Q3 Why are you taking this course?**

Answered: 14 Skipped: 0



Core  
requirement ...

Elective for  
degree or...

General  
Education...

Job requirement

Continuing  
Education

Personal  
Development

Other  
(please  
specify)

Answer Choices	Responses	
Core requirement for degree or certificate	71.43%	10
Elective for degree or certificate	0.00%	0
General Education course for degree or transfer	0.00%	0
Job requirement	35.71%	5
Continuing Education	21.43%	3
Personal Development	14.29%	2
Other (please specify)	7.14%	1
<b>Total Respondents: 14</b>		

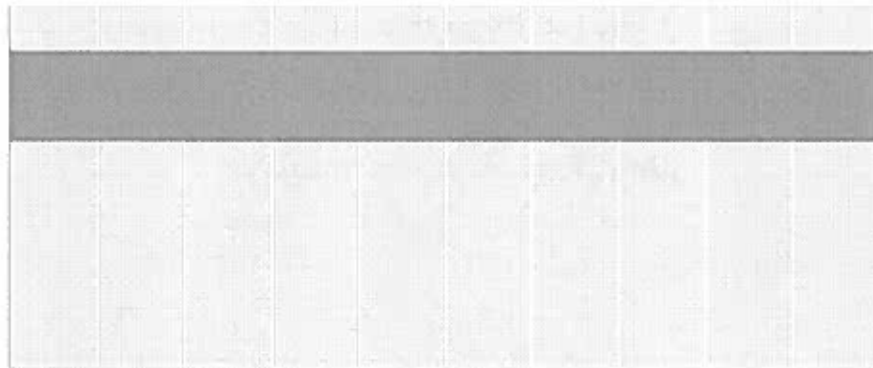
0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

**Q4 Does the course content reasonably compare with the catalog/schedule description?**

Answered: 14 Skipped: 0

Yes

No



Answer Choices	Responses	
Yes	100.00%	14
No	0.00%	0
<b>Total</b>		<b>14</b>

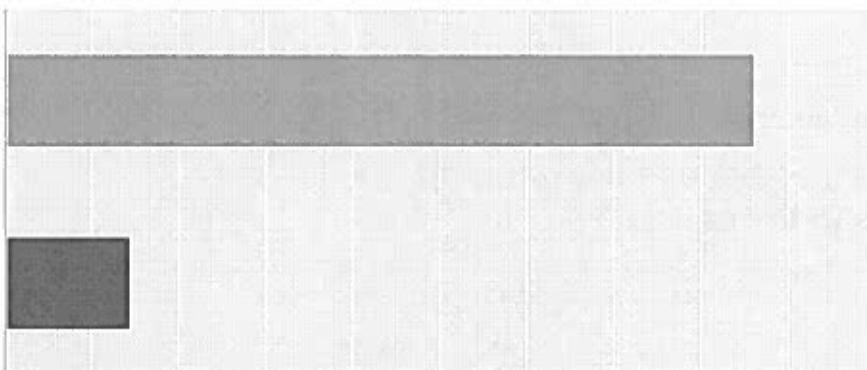
0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

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Fire Technology Instructional Program Review 2017

**Q5 Did the catalog clearly explain the order in which the courses in this program should be taken?**

Answered: 14 Skipped: 0



Yes  
No

Answer Choices	Responses
Yes	85.71% 12
No	14.29% 2
<b>Total</b>	<b>14</b>

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

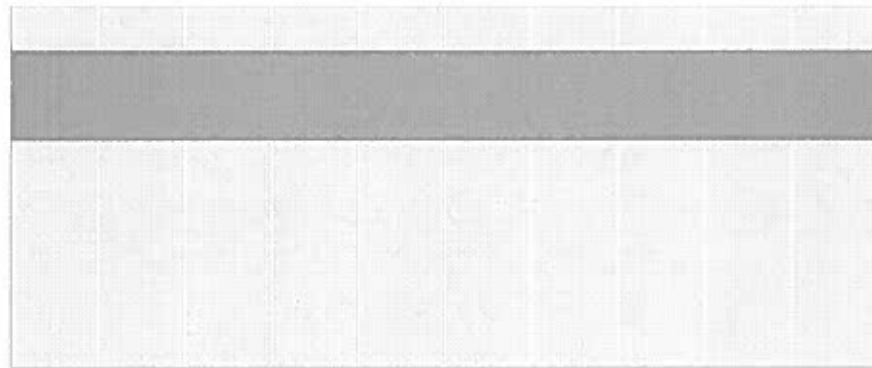
9 / 26

Fire Technology Instructional Program Review 2017

**Q6 Was any cost for this course/program, beyond registration and books clearly identified in the catalog?**

Answered: 14 Skipped: 0

Yes  
No



Answer Choices	Responses
Yes	100.00% 14
No	0.00% 0
<b>Total</b>	<b>14</b>

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

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Fire Technology Instructional Program Review 2017

**Q7 Did instructors use the required textbooks in the course?**

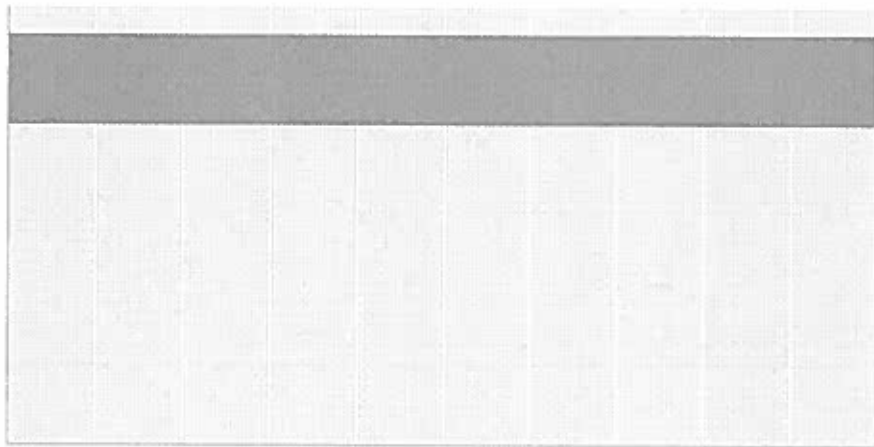
Answered: 14 Skipped: 0



Yes

No

N/A



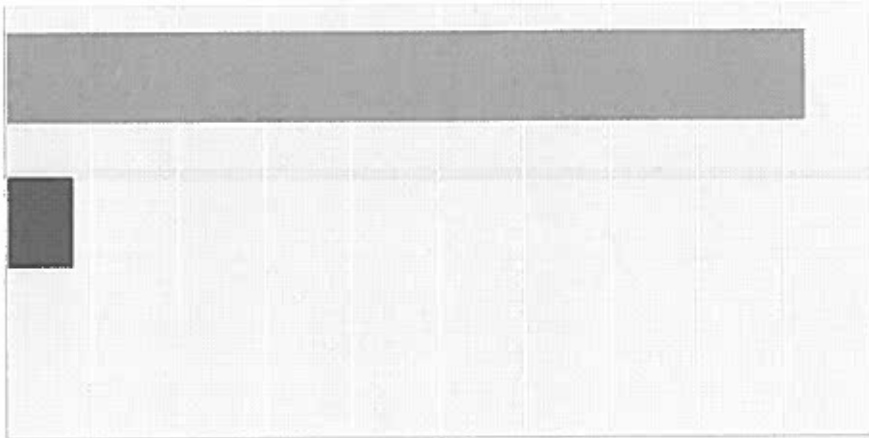
Answer Choices	Responses	
Yes	100.00%	14
No	0.00%	0
N/A	0.00%	0
<b>Total</b>		<b>14</b>

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

11 / 26

Fire Technology Instructional Program Review 2017  
**Q8 Are the textbooks purchased for this course useful to you?**

Answered: 13 Skipped: 1



Yes

No

N/A

Answer Choices	Responses	Count
Yes	92.31%	12
No	7.69%	1
N/A	0.00%	0
<b>Total</b>		<b>13</b>

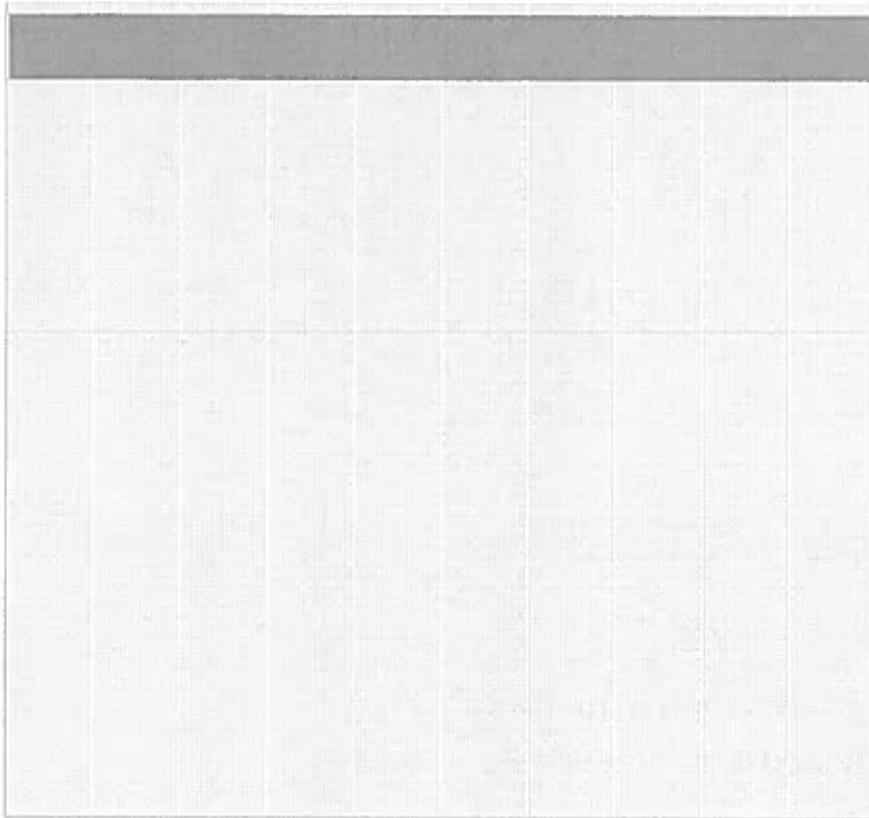
0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

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Fire Technology Instructional Program Review 2017

**Q9 Did the scheduling for this course meet your needs?**

Answered: 14 Skipped: 0



**Current  
schedule met...**

**Needed  
morning  
offering**

**Needed  
afternoon...**

**Needed  
evening  
offering**

**Needed one day  
a week offering**

**Needed  
summer  
offering**

**Needed  
week-end...**

**Needed  
short-term...**

**Other  
(please  
specify)**

Answer Choices	Responses
Current schedule met my needs	100.00% 14
Needed morning offering	0.00% 0
Needed afternoon offering	0.00% 0
Needed evening offering	0.00% 0
Needed one day a week offering	0.00% 0
Needed summer offering	0.00% 0
Needed week-end offering	0.00% 0
Needed short-term (less than semester) offering	0.00% 0
Other (please specify)	0.00% 0
<b>Total Respondents: 14</b>	

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

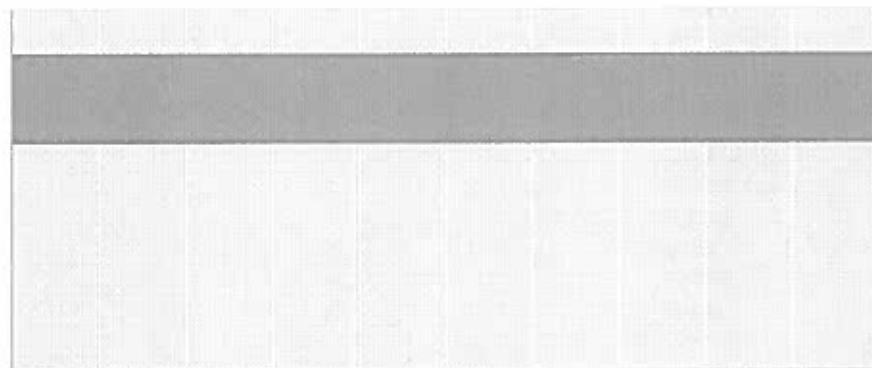
13 / 26

Fire Technology Instructional Program Review 2017

**Q10 I was provided with reasonable access to the facilities**

Answered: 14 Skipped: 0

- Yes
- No



Answer Choices	Responses
Yes	100.00% 14
No	0.00% 0
<b>Total</b>	<b>14</b>

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

14 / 26

Fire Technology Instructional Program Review 2017

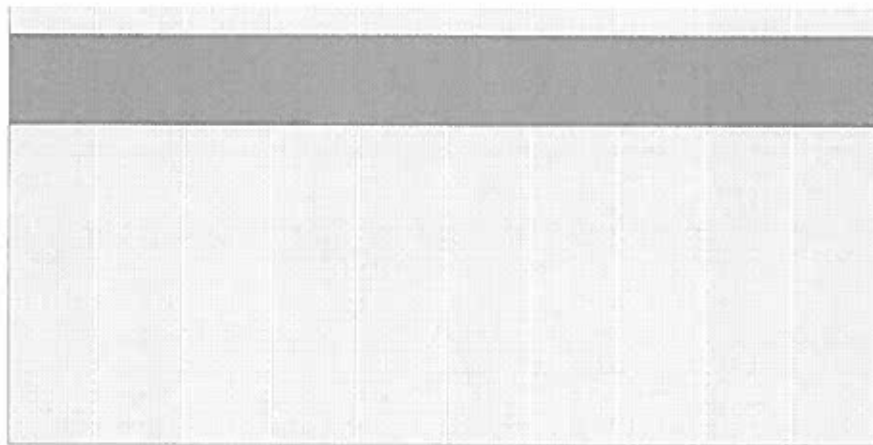
**Q11**  
**When weather is hot outside, the facilities are:**

Answered: 14 Skipped: 0

Comfortable

Often too hot

Often too cold



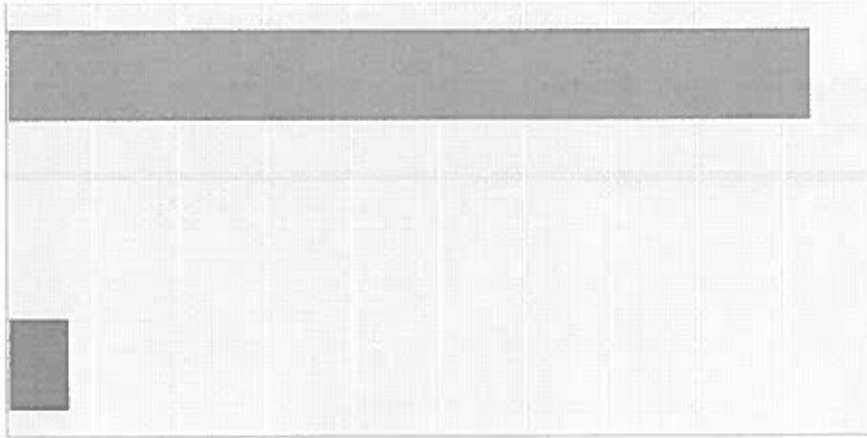
Answer Choices	Responses	
Comfortable	100.00%	14
Often too hot	0.00%	0
Often too cold	0.00%	0
<b>Total</b>		<b>14</b>

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

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Fire Technology Instructional Program Review 2017  
**Q12 When the weather is cold outside, the facilities are:**

Answered: 14 Skipped: 0



Comfortable

Often too hot

Often too cold

Answer Choices	Responses	
Comfortable	92.86%	13
Often too hot	0.00%	0
Often too cold	7.14%	1
<b>Total</b>		<b>14</b>

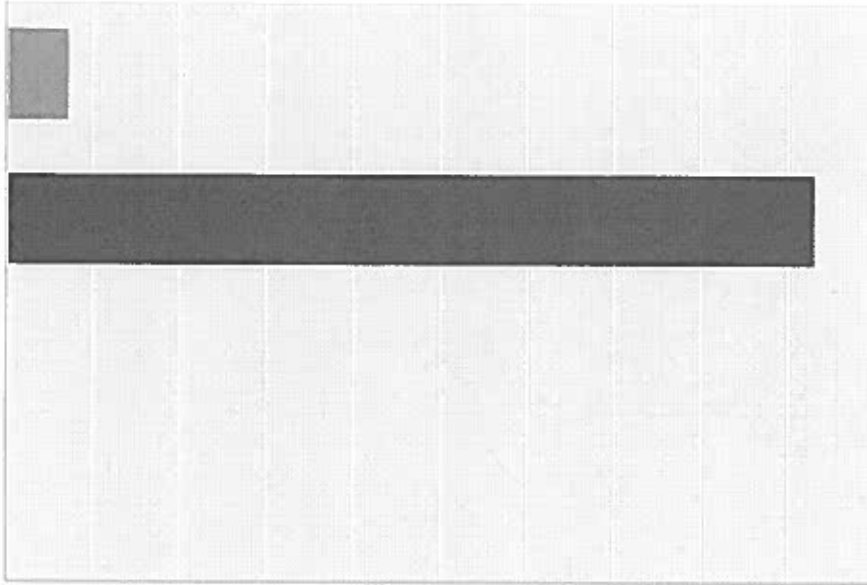
0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

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Fire Technology Instructional Program Review 2017

**Q13 The lighting of the facilities is**

Answered: 14 Skipped: 0



Too bright

Adequate

Too dark

N/A

Answer Choices	Responses	
Too bright	7.14%	1
Adequate	92.86%	13
Too dark	0.00%	0
N/A	0.00%	0
<b>Total</b>		<b>14</b>

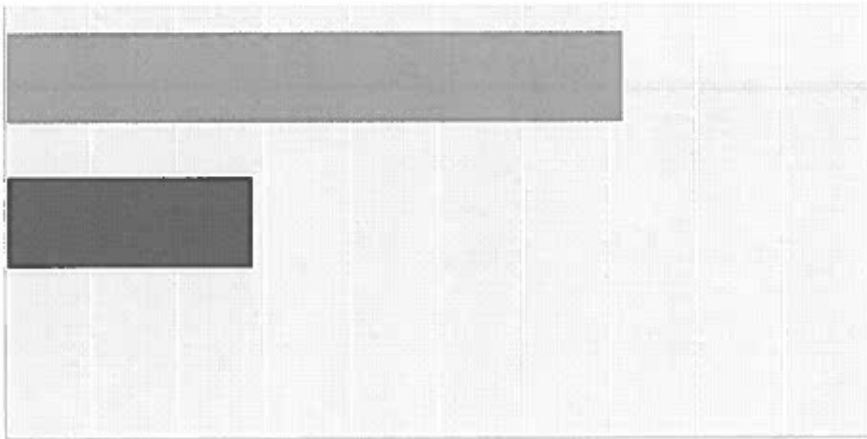
0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

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Fire Technology Instructional Program Review 2017

**Q14 The chairs/tables/desks are**

Answered: 14 Skipped: 0



Adequate

Inadequate

N/A

Answer Choices	Responses	
Adequate	71.43%	10
Inadequate	28.57%	4
N/A	0.00%	0
<b>Total</b>		<b>14</b>

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

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Fire Technology Instructional Program Review 2017

**Q15 Is there enough space for you to do your work in class?**

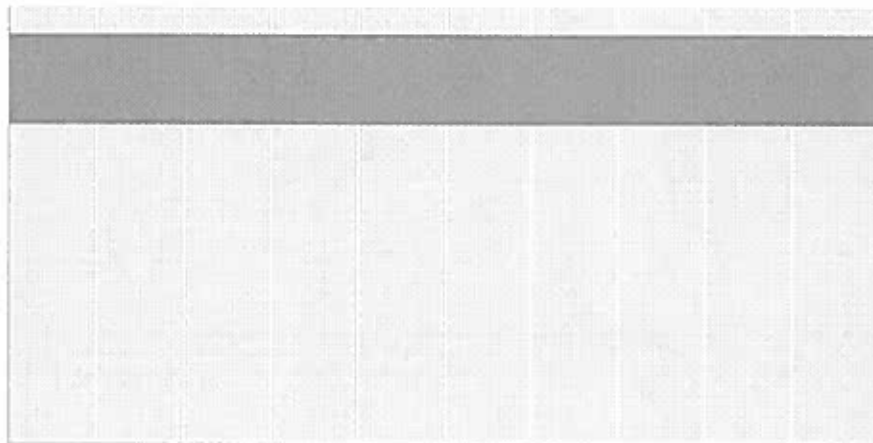
Answered: 14 Skipped: 0



Yes

No

N/A



Answer Choices	Responses	
Yes	100.00%	14
No	0.00%	0
N/A	0.00%	0
<b>Total</b>		<b>14</b>

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

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Fire Technology Instructional Program Review 2017

**Q16 Please elaborate on your responses and include any additional facilities-related comments:**

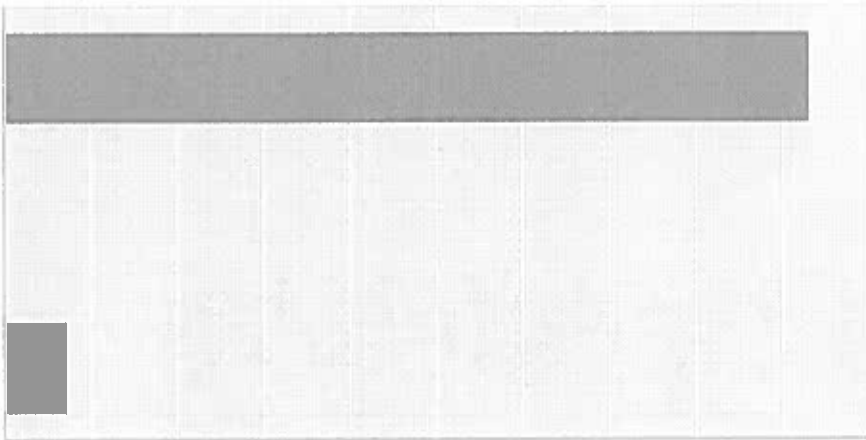
Answered 5 Skipped 9

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Fire Technology Instructional Program Review 2017

**Q17**  
**Did the course/program provide the necessary equipment?**

Answered: 14 Skipped: 0



Yes

No

N/A

Answer Choices	Responses	
Yes	92.86%	13
No	0.00%	0
N/A	7.14%	1
<b>Total</b>		<b>14</b>

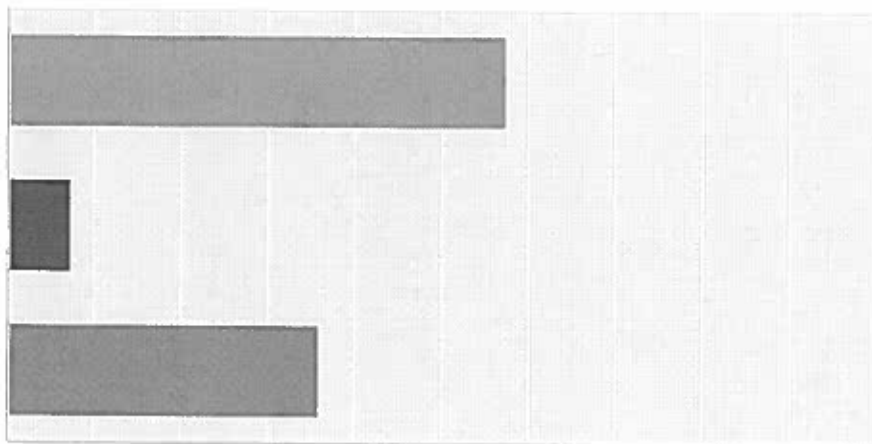
0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

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Fire Technology Instructional Program Review 2017

**Q18 Is enough time on equipment allowed for each student?**

Answered: 14 Skipped: 0



Yes

No

N/A

Answer Choices	Responses
Yes	57.14% 8
No	7.14% 1
N/A	35.71% 5
<b>Total</b>	<b>14</b>

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

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Fire Technology Instructional Program Review 2017

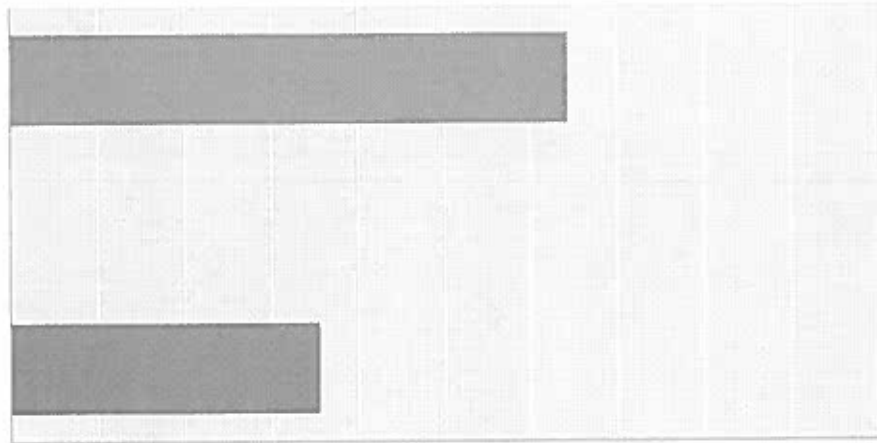
**Q19 Is equipment current?**

Answered: 14 Skipped: 0

Yes

No

N/A



Answer Choices	Responses	
Yes	64.29%	9
No	0.00%	0
N/A	35.71%	5
<b>Total</b>		<b>14</b>

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

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Fire Technology Instructional Program Review 2017

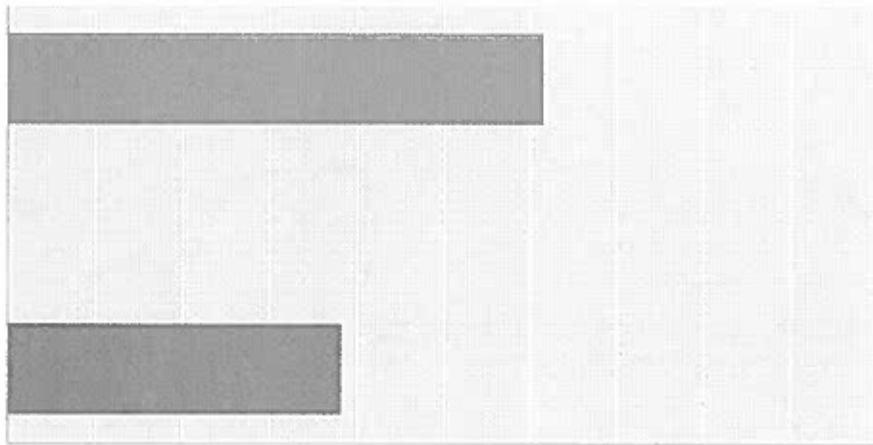
**Q20 Is equipment generally in good operating condition?**

Answered: 13 Skipped: 1

Yes

No

N/A



Answer Choices	Responses	
Yes	61.54%	8
No	0.00%	0
N/A	38.46%	5
<b>Total</b>		<b>13</b>

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

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Fire Technology Instructional Program Review 2017

**Q21 Describe how this course/program could be improved to better meet the needs of the student at Lassen Community College.**

Answered 5 Skipped 9

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Fire Technology  
Instructional Program Review 2017

**Q22 Provide any additional comments on the course or program:**

Answered: 4 Skipped: 10

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