

Instructor Costs for Training Instructor Classes

In order to offer these classes the current requirement is to have one master instructor for the full length of each class (40 hours). The classes have a limit of 25 students. If there are more than 16 students it is required to have a second master instructor for the teaching demonstration portion of the class (16 hours). The Fire Instructor series had a maximum limit of 40 students. This maximum limit, of 25, is lower than any maximum limit at my college. Our English writing classes have a limit of 28 students per section with one instructor.

Most community colleges have a minimum class size of 20 students. However some have increased their minimum to 25 students.

Here are the instructor costs for some of our colleges:

College:	Santa Rose	Rio Hondo	San Diego
Hourly Wage:	\$87.19	\$80.19	\$71.21
Total Inst. Hrs:	<u> x56</u>	<u> x56</u>	<u> x56</u>
	\$4,882.64	\$4,490.64	\$3,987.76

These figures represent a 40% increase in cost over a straight lecture class.

Recently a maximum class size of 32 has been authorized under the condition that two master instructors be present for the entire class, creating a 100% increase in cost over a straight lecture class.

This would increase instructor costs to between \$5,700.00 and \$7,000.00 for the above institutions. Classes with costs of 40% to 100% over lecture classes with one instructor will make it difficult if not impossible for us to receive approval from our colleges to offer these classes.

We do not dispute the need for a second instructor for the teaching demonstrations if the class has over 16 students. However, we would request that the second instructor only be required for the teaching demonstration days and that the class limit be increased to 32 students. We respectfully submit that one master instructor should be able to handle 32 students for the lecture portion.

These changes would assist the community colleges in enabling us to offer these classes more cost effectively. As stated earlier without these changes, in the current economic environment, many Fire Technology programs may find it difficult to get approval from their colleges to offer these classes.

The information above was presented at the July STEAC meeting.

At that meeting additional information was requested and is provided below.

The primary questions that were asked were about funding and expenses for these classes. The following information uses an average for expenses from a number of colleges.* This information is available to the public on the different District and College websites. It needs to be pointed out that the percentage used for maintenance is low due to the fact that many colleges are deferring some maintenance at this time.**

The State pays community colleges for student contact hours or FTES (Full Time Equivalent Student.) One FTES is equal to 525 student contact hours. The standard rate the State pays is \$4565.00 per FTES. There are some instances where this rate does differ slightly. However, those instances do not apply for most community colleges with Fire Tech Programs.

College Income for Instructor classes:

20 Students x 40 hours = 800 hours divided by 525 = 1.52 FTES x
\$4565.00 = \$6938.80

25 students x 40 hours = 1000 hours divided by 525 = 1.90 FTES x
\$4565.00 = \$8673.50

32 students x 40 hours = 1280 hours divided by 525 = 2.44 FTES x
\$4565.00 = \$11,138.60

Non instructional expenses as a percent of total college budget:

16.5%	District or College Administration
13.5%**	Facilities Maintenance
6.0%	Materials and Supplies
<u>13.0%</u>	Retirement, Medicare, Workers Comp.
49.0%*	

During the July meeting it was mentioned that colleges could pay the second instructor at a lower rate. Not all colleges can pay at a lower rate due to their labor contracts. So we don't have too many numbers instructor costs will be calculated using the Rio Hondo rate and will use an 85% figure for the second instructor.

Instructor Costs:

20 students 1 Master 40 hrs + 1 Asst. 16 hrs	25 students 1 Master 40 hrs + 1 Asst. 16 hrs	32 students 1 Master 40 hrs+ 1 Asst. 40 hrs
\$3,207.60 Master <u>\$1,090.56 Asst.</u> \$4,298.16	\$3,207.60 Master <u>\$1,090.56 Asst.</u> \$4,298.16	\$3,207.60 Master <u>\$2,726.56 Asst.</u> \$5,934.00

Cost Analysis:

20 students \$6,938.80 -\$3,400.01 49% <u>-\$4,298.16</u> - \$759.37	25 students \$8,673.50 -\$4,250.02 49% <u>-\$4,298.16</u> + \$125.32	32 students \$11,138.60 FTES -\$5,457.91 Non Inst Cost <u>-\$5,934.00 Inst Cost</u> - \$253.31
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Most community colleges have a minimum class size of 20 students and a few have raised their minimum to 25 students. As you can see running these classes is not cost effective for the colleges with the current instructor requirements.

We respectfully request the STEAC Committee consider raising the class maximum to 32 students with the assistant instructor only required for the teaching demonstrations.