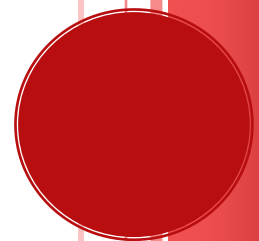


DATA REPORT FOR COMMUNICATIONS GENERAL EDUCATION LEARNING OUTCOME

Fall 2015

Office of Institutional Effectiveness

5/20/2016



DATA REPORT FOR COMMUNICATIONS GENERAL EDUCATION LEARNING OUTCOME

Fall 2015

DEMOGRAPHICS OF SAMPLE

Data for the Communications General Education Learning Outcome (GELO) was extracted from TracDat and was then merged with MIS data. The result was a data set with a total of 1,282 student responses in the following classes:

Table 1. Courses in GELO Analysis

Course	# Students	Percent
ANT-7	50	3.9
ANT-8	37	2.9
ART-6	102	8.0
BIO-36	50	3.9
COM-1/1H	86	6.7
ENG-1B/1BH	182	14.2
GEG-1	187	14.6
HIS-1	45	3.5
HUM-10	61	4.8
HUM-4	34	2.7
POL-1	373	29.1
THE-3	75	5.9
Total	1282	100.0

The demographic breakdown of this student sample was as follows:

Table 2. Ethnicity of GELO Sample

Ethnicity	# Students	Sample Percent	Norco Percent
Asian	91	7.1	6.0
African American	74	5.8	5.7
Hispanic	729	56.9	57.3
Native American/Alaskan	3	.2	.3

	Pacific Islander	3	.2	.3
	White	328	25.6	24.7
	Two or more races	44	3.4	3.0
	Unreported/Unknown	8	.6	.5
	Total	1280	99.8	97.8
Missing	System	2	.2	2.2
Total		1282	100.0	100.0

Table 3. Age of GELO Sample

		# Students	Sample Percent	Norco Percent
Age	19 or less	429	33.5	33.2
	20-24	616	48.0	40.3
	25-29	139	10.8	12.1
	30-34	46	3.6	5.5
	35-39	21	1.6	3.3
	40-49	24	1.9	3.7
	50+	5	.4	1.9
	Total	1280	99.8	100.0
Missing	System	2	.2	0.0
Total		1282	100.0	100.0

Table 5 Gender of GELO Sample

		# Students	Sample Percent	Norco Percent
Gender	Female	706	55.1	53.5
	Male	568	44.3	45.7
	Unknown/non-respondent	6	.5	.8
	Total	1280	99.8	100.0
Missing	System	2	.2	0.0
Total		1282	100.0	100.0

In comparing the Norco College student demographics (see Data Mart at <http://datamart.cccco.edu/DataMart.aspx>) for Fall 2015 against the sample demographics above, the GELO sample closely approximates the college in ethnicity, age

and gender overall. This implies that the outcomes for this GELO study can probably be generalized to the college as a whole.

OUTCOMES OF COMMUNICATIONS GELO ANALYSIS

The Communications GELO analysis compared the average score for three different groups of students in the sample based on the number of GE units completed: less than 12 units GE, 12-24 units GE, and more than 24 units GE. The assumption is that this GE Outcome should be correlated with then number of GE units completed. In essence, the more GE courses a student takes, the more exposure to the Communications GELO they would have. If this assumption was supported by the data, one would assume that the average score for each group would increase significantly in comparison to the lower group. The data for this analysis is below:

Table 6. Average GELO score for three groups of students based on GE units completed

	# Students	Average GELO Score
Below 12 GE units	276	2.56
12-24 GE units	266	3.16
Above 24 GE units	738	3.16
Total	1280	3.03

The difference between the Below 12 GE Units and the 12-24 GE units group was significant ($p < .001$). Upon further comparison, it is clear that there was no difference between the next two groups (12-24 GE Units & Above 24 GE Units) in the analysis. This indicates that communications skills for students seem to improve at the beginning of students' education in the GE program. However, as they continue in the GE program their communications skills seem to plateau at an adequately high level (3.16 on a 4-point scale).

Another level of assessment that is necessary is the disaggregation of GELO outcomes by student groups or demographics. The following analysis shows the average Communications GELO scores by ethnic, age, and gender groups. Any groups that had less than 20 students were suppressed due to questionable ability to generalize to the Norco College student population. Disproportionate impact (DI) was calculated for each group, and any groups lower than 0.80 are highlighted in yellow. Disproportionate impact is calculated by dividing each subgroup in demographic category by the highest

achieving group. If a subgroup's average GELO score was less than 80% (0.80) of the highest group, disproportionate impact has occurred in that subgroup.

Table 7. Disproportionate Impact Analysis in Ethnicity for Communications GELO

Ethnicity	# Students	Average GELO Score	DI Score
Asian	91	3.25	1.00
African American	74	2.76	0.85
Hispanic	729	2.97	0.91
Native American/Alaskan	3	1.67	N/A
Pacific Islander	3	3.67	N/A
White	328	3.14	0.97
Two or more races	44	3.18	0.98
Unreported/Unknown	8	3.25	N/A
Total	1266	3.03	

Table 8. Disproportionate Impact Analysis in Age for Communications GELO

Age	# Students	Average GELO Score	DI Score
19 or less	429	3.00	0.90
20-24	616	2.97	0.89
25-29	139	3.32	1.00
30-34	46	3.22	0.97
35-39	21	3.00	0.90
40-49	24	3.17	0.95
50+	5	2.60	N/A
Total	1280	3.03	

Table 9. Disproportionate Impact Analysis in Gender for Communications GELO

Gender	# Students	Average GELO Score	DI Score
Female	706	3.07	1.00
Male	568	2.97	0.97

Based on these data, it appears there is no indication of disproportionate impact between any subgroups for any demographic category based on ethnicity, age, or gender.