

## First-Year Students

Item wording or description	Variable name	Values <sup>c</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>		
				UNC Charlotte		Transferable Skills		UNC Charlotte	Transferable Skills	Effect size <sup>d</sup>
				Count	%	Count	%	Mean	Mean	Mean
<b>1. During the current school year, whether course-related or not, about how often have you done the following?</b>										
a. Discussed or debated an issue of social, political, or philosophical importance	TRN01a	1	Never	65	13	584	12	<b>2.6</b>	2.6	-.03
		2	Sometimes	185	36	1,751	36			
		3	Often	141	28	1,613	31			
		4	Very often	114	22	1,154	22			
		Total		505	100	5,102	100			
b. Made a speech to a group	TRN01b	1	Never	183	35	1,333	25	<b>2.0</b>	2.2 ***	-.22 ▽
		2	Sometimes	197	39	2,141	42			
		3	Often	86	18	1,075	22			
		4	Very often	37	8	533	11			
		Total		503	100	5,082	100			
c. Worked in a group with people who differed from you in terms of background, political orientation, points of view, etc.	TRN01c	1	Never	34	7	303	6	<b>2.8</b>	2.7	.05
		2	Sometimes	139	28	1,713	35			
		3	Often	223	44	1,907	37			
		4	Very often	108	21	1,169	22			
		Total		504	100	5,092	100			
d. Discussed the ethical consequences of a course of action	TRN01d	1	Never	81	16	715	14	<b>2.4</b>	2.5	-.06
		2	Sometimes	193	39	1,913	38			
		3	Often	161	32	1,679	33			
		4	Very often	69	13	772	15			
		Total		504	100	5,079	100			
e. Creatively thought about new ideas or about ways to improve things	TRN01e	1	Never	27	6	312	6	<b>2.8</b>	2.8	.03
		2	Sometimes	164	32	1,612	32			
		3	Often	192	39	2,041	40			
		4	Very often	117	24	1,111	22			
		Total		500	100	5,076	100			
f. Critically evaluated multiple solutions to a problem	TRN01f	1	Never	24	5	331	6	<b>2.8</b>	2.8	.05
		2	Sometimes	163	33	1,637	33			
		3	Often	196	39	2,038	39			
		4	Very often	115	23	1,057	22			
		Total		498	100	5,063	100			
g. Discussed complex problems with others to develop a better solution	TRN01g	1	Never	36	7	431	9	<b>2.7</b>	2.7	.07
		2	Sometimes	163	32	1,771	35			
		3	Often	193	39	1,831	35			
		4	Very often	107	21	1,020	21			
		Total		499	100	5,053	100			

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				UNC Charlotte		Transferable Skills		UNC Charlotte	Transferable Skills	
				Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>
<b>2. During the current school year, whether course-related or not, about how often have you written something (paper, report, article, blog, etc.) that:</b>										
a. Used information from a variety of sources (books, journals, Internet, databases, etc.)	TRN02a	1	Never	15	3	196	5	<b>3.0</b>	3.0	.01
		2	Sometimes	128	26	1,239	27			
		3	Often	215	43	1,916	36			
		4	Very often	146	29	1,744	32			
		Total		504	100	5,095	100			
b. Assessed the conclusions of a published work	TRN02b	1	Never	78	16	634	14	<b>2.5</b>	2.5 *	-10 ▽
		2	Sometimes	188	38	1,674	35			
		3	Often	162	32	1,732	32			
		4	Very often	73	14	1,048	19			
		Total		501	100	5,088	100			
c. Included ideas from more than one academic discipline	TRN02c	1	Never	47	10	571	13	<b>2.7</b>	2.6	.06
		2	Sometimes	160	32	1,707	35			
		3	Often	209	41	1,721	33			
		4	Very often	83	17	1,079	20			
		Total		499	100	5,078	100			
d. Presented multiple viewpoints or perspectives	TRN02d	1	Never	36	7	386	9	<b>2.7</b>	2.7	.02
		2	Sometimes	171	34	1,668	34			
		3	Often	201	41	1,874	35			
		4	Very often	93	18	1,145	21			
		Total		501	100	5,073	100			

\*p<.05, \*\*p<.01, \*\*\*p<.001 (2-tailed); Refer to the endnotes page for the key to triangle symbols.

## Seniors

Item wording or description	Variable name	Values <sup>c</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>		
				UNC Charlotte		Transferable Skills		UNC Charlotte	Transferable Skills	Effect size <sup>d</sup>
				Count	%	Count	%	Mean	Mean	
<b>1. During the current school year, whether course-related or not, about how often have you done the following?</b>										
a. Discussed or debated an issue of social, political, or philosophical importance	TRN01a	1	Never	89	17	828	13	<b>2.5</b>	2.6 *	-0.11
		2	Sometimes	186	35	2,166	33			
		3	Often	142	25	1,891	29			
		4	Very often	130	23	1,691	25			
		Total		547	100	6,576	100			
b. Made a speech to a group	TRN01b	1	Never	97	18	1,227	18	<b>2.4</b>	2.4	.03
		2	Sometimes	204	38	2,552	39			
		3	Often	145	27	1,701	27			
		4	Very often	98	18	1,075	16			
		Total		544	100	6,555	100			
c. Worked in a group with people who differed from you in terms of background, political orientation, points of view, etc.	TRN01c	1	Never	30	6	349	5	<b>3.0</b>	2.9 **	.12
		2	Sometimes	120	23	1,973	30			
		3	Often	212	38	2,348	36			
		4	Very often	184	33	1,904	28			
		Total		546	100	6,574	100			
d. Discussed the ethical consequences of a course of action	TRN01d	1	Never	90	18	771	12	<b>2.5</b>	2.6	-0.09
		2	Sometimes	176	32	2,372	36			
		3	Often	171	31	2,084	32			
		4	Very often	107	19	1,328	20			
		Total		544	100	6,555	100			
e. Creatively thought about new ideas or about ways to improve things	TRN01e	1	Never	31	6	287	4	<b>3.0</b>	3.0	.00
		2	Sometimes	121	22	1,588	24			
		3	Often	207	38	2,515	38			
		4	Very often	185	34	2,163	33			
		Total		544	100	6,553	100			
f. Critically evaluated multiple solutions to a problem	TRN01f	1	Never	30	6	285	4	<b>3.0</b>	3.0	.07
		2	Sometimes	109	19	1,620	25			
		3	Often	215	39	2,522	38			
		4	Very often	191	36	2,125	33			
		Total		545	100	6,552	100			
g. Discussed complex problems with others to develop a better solution	TRN01g	1	Never	37	7	368	6	<b>3.0</b>	2.9	.06
		2	Sometimes	126	22	1,736	26			
		3	Often	193	35	2,427	37			
		4	Very often	189	35	1,991	31			
		Total		545	100	6,522	100			

## Seniors

Item wording or description	Variable name	Values <sup>c</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>		
				UNC Charlotte		Transferable Skills		UNC Charlotte	Transferable Skills	Effect size <sup>d</sup>
				Count	%	Count	%	Mean	Mean	
<b>2. During the current school year, whether course-related or not, about how often have you written something (paper, report, article, blog, etc.) that:</b>										
a. Used information from a variety of sources (books, journals, Internet, databases, etc.)	TRN02a	1	Never	20	4	342	6	<b>3.1</b>	3.0 *	.11 △
		2	Sometimes	103	21	1,495	24			
		3	Often	170	31	2,060	31			
		4	Very often	254	44	2,688	39			
		Total		547	100	6,585	100			
b. Assessed the conclusions of a published work	TRN02b	1	Never	80	16	898	15	<b>2.7</b>	2.7	.05
		2	Sometimes	144	27	1,949	31			
		3	Often	148	28	1,917	29			
		4	Very often	174	29	1,808	26			
		Total		546	100	6,572	100			
c. Included ideas from more than one academic discipline	TRN02c	1	Never	51	10	691	11	<b>2.8</b>	2.7	.08
		2	Sometimes	147	29	2,057	32			
		3	Often	175	31	2,006	30			
		4	Very often	174	30	1,814	27			
		Total		547	100	6,568	100			
d. Presented multiple viewpoints or perspectives	TRN02d	1	Never	51	11	627	10	<b>2.8</b>	2.7	.08
		2	Sometimes	164	31	2,138	34			
		3	Often	159	29	2,114	32			
		4	Very often	173	30	1,680	25			
		Total		547	100	6,559	100			

\*p<.05, \*\*p<.01, \*\*\*p<.001 (2-tailed); Refer to the endnotes page for the key to triangle symbols.

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## Endnotes

- a. Column percentages are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Percentages may not sum to 100 due to rounding. Counts are unweighted; column percentages cannot be replicated from counts.
- b. All statistics are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Unless otherwise noted, statistical comparisons are two-tailed independent  $t$ -tests. Items with categorical response sets are left blank.
- c. These are the values used to calculate means. For the majority of items, these values match the codes in the data file and codebook.
- d. Effect size for independent  $t$ -tests uses Cohen's  $d$ ;  $z$ -tests use Cohen's  $h$ .
- e. Statistics are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Categorical items are not listed.
- f. The 95% confidence interval for the population mean is equal to the sample mean plus or minus 1.96 times the standard error of the mean.
- g. A measure of the amount individual scores deviate from the mean of all the scores in the distribution.
- h. Degrees of freedom used to compute the  $t$ -tests. Values differ from  $N$ s due to weighting and whether equal variances were assumed.
- i. Statistical comparisons are two-tailed independent  $t$ -tests or  $z$ -tests. Statistical significance represents the probability that the difference between your students' mean and that of the students in the comparison group is due to chance.
- j. Statistical comparison uses  $z$ -test to compare the proportion who responded (depending on the item) "Done or in progress" or "Yes" with all who responded otherwise.
- k. Mean represents the proportion who responded (depending on the item) "Done or in progress" or "Yes."
- l. This was a new item in 2016, comparison group results do not include 2015 institutions. May not apply to all modules.

### **Key to symbols:**

- ▲ **Your students' average** was significantly higher ( $p < .05$ ) with an effect size at least .3 in magnitude.
- △ **Your students' average** was significantly higher ( $p < .05$ ) with an effect size less than .3 in magnitude.
- ▽ **Your students' average** was significantly lower ( $p < .05$ ) with an effect size less than .3 in magnitude.
- ▼ **Your students' average** was significantly lower ( $p < .05$ ) with an effect size at least .3 in magnitude.

Note: It is important to interpret the direction of differences relative to item wording and your institutional context.