
NSSE 2021 Topical Module Report Experiences with Online Learning

Angelo State University

This module, new for the 2021 administration, was developed in collaboration with Quality Matters, a leader in online instruction. Based in part on Standards for the Quality Matters Higher Education Rubric (6th Ed.), the item set measures instructional aspects that experts consider to be ideal for online courses. The set also assesses how students engage in both online and hybrid courses, their degree of comfort with online learning and experience of support, and ideas about how the learning experience can be improved.

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First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				ASU		Public Institutions		ASU	Public Institutions	
				Count	%	Count	%	Mean	Mean	Effect size ^d
1. During the current school year, to what extent have your <i>entirely or partly online</i> courses provided the following?										
a. Clearly stated learning objectives or goals	EOL01a	0	Not at all	2	1	53	1	2.8	3.0 *	-0.17 ▽
		1	Very little	12	7	307	5			
		2	Some	62	29	1,366	22			
		3	Quite a bit	75	35	2,427	39			
		4	Very much	57	28	1,947	32			
		Total		208	100	6,100	100			
b. Clear guidance about how to get started in the course	EOL01b	0	Not at all	2	1	74	1	2.8	2.9	-0.11
		1	Very little	17	9	401	7			
		2	Some	58	28	1,522	25			
		3	Quite a bit	77	37	2,243	37			
		4	Very much	54	26	1,834	30			
		Total		208	100	6,074	100			
c. A clearly stated grading policy	EOL01c	0	Not at all	1	0	37	1	3.1	3.2	-0.09
		1	Very little	5	2	204	4			
		2	Some	46	22	1,029	16			
		3	Quite a bit	81	39	2,276	37			
		4	Very much	75	37	2,550	42			
		Total		208	100	6,096	100			
d. Course information and activities that are easy to locate	EOL01d	0	Not at all	1	0	77	1	2.9	2.9	-0.02
		1	Very little	16	8	326	5			
		2	Some	50	24	1,521	25			
		3	Quite a bit	73	35	2,199	36			
		4	Very much	68	32	1,966	32			
		Total		208	100	6,089	100			
e. Sufficient instructions for using technology	EOL01e	0	Not at all	1	0	95	2	2.8	2.9	-0.01
		1	Very little	15	8	441	7			
		2	Some	58	27	1,578	26			
		3	Quite a bit	73	36	2,163	35			
		4	Very much	60	28	1,815	30			
		Total		207	100	6,092	100			
f. Clarity about when instructors would respond to you (answers to your questions, feedback about coursework, etc.)	EOL01f	0	Not at all	2	1	86	1	2.8	2.9	-0.04
		1	Very little	16	8	465	7			
		2	Some	48	23	1,481	25			
		3	Quite a bit	86	41	2,155	35			
		4	Very much	56	27	1,901	32			
		Total		208	100	6,088	100			
g. Clear expectations for your interactions with other students	EOL01g	0	Not at all	5	3	204	4	2.7	2.7	-0.01
		1	Very little	24	12	664	11			
		2	Some	53	26	1,519	25			
		3	Quite a bit	66	32	1,908	31			
		4	Very much	58	28	1,794	30			
		Total		206	100	6,089	100			

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b			
				ASU		Public Institutions		ASU	Public Institutions		
				Count	%	Count	%	Mean	Mean	Effect size ^d	
h. Assessments (quizzes, projects, assignments, exams, etc.) that help you achieve course learning objectives or goals	EOL01h	0	Not at all	0	0	67	1	3.0	3.1	-.06	
		1	Very little	11	6	251	4				
		2	Some	45	22	1,136	19				
		3	Quite a bit	76	36	2,302	37				
		4	Very much	76	36	2,330	38				
Total				208	100	6,086	100				
i. Instructional materials (readings, videos, etc.) that help you achieve course learning objectives or goals	EOL01i	0	Not at all	0	0	47	1	3.0	3.1	-.06	
		1	Very little	13	6	239	4				
		2	Some	44	21	1,188	20				
		3	Quite a bit	77	37	2,353	39				
		4	Very much	74	35	2,255	37				
Total				208	100	6,082	100				
2. During the current school year, about how many of your <i>entirely or partly online</i> courses included the following?											
a. Live sessions including the instructor and students	EOL02a	1	None	20	10	240	4	2.5	3.0 ***	▼	-.54
		2	Some	89	43	1,532	24				
		3	Most	69	33	2,580	42				
		4	All	30	14	1,734	30				
		Total				208	100				
b. Pre-recorded presentations by the instructor	EOL02b	1	None	8	4	829	16	2.6	2.3 ***	▲	.27
		2	Some	103	50	2,982	49				
		3	Most	64	31	1,456	22				
		4	All	32	15	813	13				
		Total				207	100				
c. Presentations or talks by experts in the field (live or recorded)	EOL02c	1	None	69	33	1,668	27	2.0	2.1		-.08
		2	Some	81	39	2,782	46				
		3	Most	40	20	993	17				
		4	All	18	8	630	10				
		Total				208	100				
d. Group projects or presentations	EOL02d	1	None	74	36	1,341	24	1.8	2.1 ***	▼	-.26
		2	Some	98	45	3,308	53				
		3	Most	30	16	962	16				
		4	All	6	3	464	7				
		Total				208	100				
e. Interaction among students in small groups or breakout rooms	EOL02e	1	None	76	37	705	12	1.9	2.4 ***	▼	-.62
		2	Some	93	43	2,929	48				
		3	Most	33	17	1,691	27				
		4	All	6	3	750	12				
		Total				208	100				

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

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				ASU		Public Institutions		ASU	Public Institutions	
				Count	%	Count	%	Mean	Mean	Effect size ^d
f. Frequent quizzes or short assignments to check your understanding	EOL02f	1	None	7	4	130	2	2.9	2.9	-.06
		2	Some	61	30	1,643	28			
		3	Most	88	41	2,730	44			
		4	All	52	25	1,574	25			
		Total		208	100	6,077	100			
g. Coursework that challenges you to enhance your knowledge, skills, and abilities	EOL02g	1	None	3	2	91	1	3.0	3.1	-.09
		2	Some	50	25	1,270	21			
		3	Most	95	45	2,768	46			
		4	All	60	29	1,949	31			
		Total		208	100	6,078	100			
h. Opportunities for personalized feedback, support, and guidance from the instructor	EOL02h	1	None	12	6	231	4	2.7	2.8	-.12
		2	Some	70	35	2,064	34			
		3	Most	83	40	2,229	37			
		4	All	42	20	1,552	25			
		Total		207	100	6,076	100			
i. Opportunities to apply your learning to a real-world problem or issue	EOL02i	1	None	24	11	469	8	2.5	2.6	-.10
		2	Some	84	42	2,598	43			
		3	Most	67	32	1,857	31			
		4	All	32	15	1,145	18			
		Total		207	100	6,069	100			
3. During the current school year, how comfortable have you been doing the following in your <i>entirely or partly online</i> courses?										
a. Participating in online discussion boards, forums, or other discussion tools	EOL03a	1	Not at all comfortable	9	5	195	3	4.6	4.6	.02
		2		4	2	305	5			
		3		24	11	656	11			
		4		51	24	1,313	22			
		5		46	23	1,513	25			
		6	Very comfortable	68	34	2,048	33			
		—	Not applicable	4	2	47	1			
		Total		206	100	6,077	100			
b. Participating in live course discussions	EOL03b	1	Not at all comfortable	7	3	319	5	4.2	4.2	-.01
		2		17	7	499	8			
		3		35	18	935	15			
		4		58	27	1,481	24			
		5		41	20	1,238	21			
		6	Very comfortable	41	21	1,423	24			
		—	Not applicable	7	4	176	3			
Total		206	100	6,071	100					
c. Taking proctored online exams	EOL03c	1	Not at all comfortable	22	10	586	10	4.3	4.0	.13
		2		11	5	486	8			
		3		21	11	774	12			
		4		38	18	1,177	20			
		5		54	26	1,135	19			
		6	Very comfortable	52	25	1,378	23			
		—	Not applicable	8	5	528	8			
		Total		206	100	6,064	100			

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				ASU		Public Institutions		ASU	Public Institutions	
				Count	%	Count	%	Mean	Mean	Effect size ^d
d. Interacting with other students in the course	EOL03d	1	Not at all comfortable	6	3	253	4	4.3	4.2	.03
		2		17	8	542	9			
		3		36	17	920	15			
		4		49	23	1,505	25			
		5		47	22	1,334	22			
		6	Very comfortable	44	24	1,443	24			
		—	Not applicable	6	3	74	1			
Total		205	100	6,071	100					
e. Interacting with your instructor to discuss course topics, ideas, or concepts	EOL03e	1	Not at all comfortable	6	3	179	3	4.5	4.4	.07
		2		7	3	401	6			
		3		21	10	845	14			
		4		64	31	1,466	24			
		5		53	24	1,465	24			
		6	Very comfortable	53	27	1,658	27			
		—	Not applicable	2	1	49	1			
Total		206	100	6,063	100					
f. Using learning support services (tutoring services, writing center, etc.)	EOL03f	1	Not at all comfortable	15	8	473	8	4.0	3.9	.05
		2		26	12	693	11			
		3		33	15	985	16			
		4		46	22	1,185	19			
		5		32	16	958	16			
		6	Very comfortable	47	24	1,200	19			
		—	Not applicable	7	4	568	10			
Total		206	100	6,062	100					
g. Seeking feedback and guidance from your instructor	EOL03g	1	Not at all comfortable	8	5	232	4	4.4	4.4	.03
		2		12	6	438	7			
		3		28	13	809	13			
		4		50	25	1,437	24			
		5		45	21	1,386	23			
		6	Very comfortable	61	31	1,675	28			
		—	Not applicable	2	1	93	1			
Total		206	100	6,070	100					
4. To improve the online course-taking experience, how important is it that your institution do the following?										
a. Increase interactions between students	EOL04a	1	Not at all important	16	7	481	8	2.7	2.8	-.05
		2	Somewhat important	66	32	1,822	30			
		3	Important	84	41	2,227	37			
		4	Very important	40	20	1,530	25			
		Total		206	100	6,060	100			
b. Increase interactions with instructors	EOL04b	1	Not at all important	4	2	151	3	3.1	3.1	.02
		2	Somewhat important	52	26	1,174	20			
		3	Important	73	35	2,733	45			
		4	Very important	77	38	1,998	32			
		Total		206	100	6,056	100			

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

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				ASU		Public Institutions		ASU	Public Institutions	
				Count	%	Count	%	Mean	Mean	Effect size ^d
c. Improve responsiveness of instructors	EOL04c	1	Not at all important	4	2	187	3	3.2	3.1	.13
		2	Somewhat important	36	18	1,071	18			
		3	Important	73	34	2,506	41			
		4	Very important	93	46	2,281	38			
		Total		206	100	6,045	100			
d. Improve online tools for student collaboration	EOL04d	1	Not at all important	3	2	218	4	3.1	3.1	.05
		2	Somewhat important	42	20	1,242	20			
		3	Important	91	45	2,575	42			
		4	Very important	70	33	2,018	34			
		Total		206	100	6,053	100			
e. Provide more online learning support services (tutoring services, writing center, etc.)	EOL04e	1	Not at all important	6	3	332	6	3.0	2.9	.12
		2	Somewhat important	51	24	1,675	27			
		3	Important	88	43	2,404	40			
		4	Very important	61	29	1,629	27			
		Total		206	100	6,040	100			

5. Please describe one way online learning at your institution could be improved and one thing that should not be changed.

This final question asked students to respond in an open text box. Comments were recorded for 109 first-year students and 89 seniors. Responses are provided in your NSSE21 Student Comments Report and in a separate SPSS data file.

These open-ended responses appear exactly as respondents entered them and may not be suitable for distribution without prior review.

6. Considering your experience taking partly or entirely online courses during the current school year, to what extent do you agree or disagree with the following statements?

a. Internet service (availability, speed, reliability, etc.) where you live has been sufficient to participate in the course.	EOL06a	1	Strongly disagree	5	3	134	2	3.0	3.2 **	-0.22
		2	Disagree	34	16	563	10			
		3	Agree	116	56	3,339	55			
		4	Strongly agree	51	25	1,939	33			
		Total		206	100	5,975	100			
b. The hardware (computer, tablet, mobile phone, printer, etc.) and software where you live have been sufficient to participate in the course.	EOL06b	1	Strongly disagree	1	0	51	1	3.2	3.3 ***	-0.23
		2	Disagree	19	8	318	5			
		3	Agree	128	63	3,223	53			
		4	Strongly agree	57	28	2,395	40			
		Total		205	100	5,987	100			
c. Study spaces where you live have been sufficient for your needs.	EOL06c	1	Strongly disagree	3	1	164	3	3.1	3.1	.05
		2	Disagree	16	8	792	13			
		3	Agree	133	66	3,271	54			
		4	Strongly agree	51	25	1,770	30			
		Total		203	100	5,997	100			
d. Technology support has been available.	EOL06d	1	Strongly disagree	2	1	105	2	3.2	3.1	.05
		2	Disagree	16	8	642	11			
		3	Agree	133	66	3,599	59			
		4	Strongly agree	53	25	1,646	28			
		Total		204	100	5,992	100			

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				ASU		Public Institutions		ASU	Public Institutions	
				Count	%	Count	%	Mean	Mean	Effect size ^d
e. The online course platform has been user-friendly (available when needed, easy to access and navigate, etc.).	EOL06e	1	Strongly disagree	2	1	95	2	3.2	3.2	-.03
		2	Disagree	22	11	461	8			
		3	Agree	121	59	3,624	60			
		4	Strongly agree	60	29	1,805	30			
		Total	205	100	5,985	100				
7. Which of the following best describes how your entirely or partly online courses have typically been delivered?										
	EOL07	—	Synchronous (live class meetings at scheduled times)	51	27	1,991	36			
		—	Asynchronous (participation not at scheduled times)	43	22	606	10			
		—	A mixture of synchronous and asynchronous	109	51	3,393	54			
		Total	203	100	5,990	100				
		8. How would you evaluate your online learning experience during the current school year?								
	EOL08	1	Poor	10	5	380	7	3.0	2.8 *	.15
		2	Fair	39	19	1,617	26			
		3	Good	101	50	2,642	44			
		4	Excellent	52	26	1,367	23			
		Total	202	100	6,006	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 ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				ASU		Public Institutions		ASU	Public Institutions	
				Count	%	Count	%	Mean	Mean	Effect size ^d
1. During the current school year, to what extent have your <i>entirely or partly online</i> courses provided the following?										
a. Clearly stated learning objectives or goals	EOL01a	0	Not at all	2	1	41	1	3.1	3.1	-.03
		1	Very little	6	3	272	4			
		2	Some	46	22	1,289	18			
		3	Quite a bit	71	33	2,653	37			
		4	Very much	81	41	3,083	40			
	Total	206	100	7,338	100					
b. Clear guidance about how to get started in the course	EOL01b	0	Not at all	2	1	57	1	3.1	3.0	.03
		1	Very little	8	4	372	5			
		2	Some	42	21	1,387	20			
		3	Quite a bit	76	36	2,663	37			
		4	Very much	77	39	2,846	37			
	Total	205	100	7,325	100					
c. A clearly stated grading policy	EOL01c	0	Not at all	1	0	47	1	3.4	3.3	.10
		1	Very little	5	2	189	3			
		2	Some	24	11	894	13			
		3	Quite a bit	67	33	2,556	36			
		4	Very much	108	54	3,658	48			
	Total	205	100	7,344	100					
d. Course information and activities that are easy to locate	EOL01d	0	Not at all	3	2	67	1	3.1	3.1	.07
		1	Very little	9	4	288	4			
		2	Some	32	15	1,426	20			
		3	Quite a bit	69	35	2,584	36			
		4	Very much	92	44	2,972	39			
	Total	205	100	7,337	100					
e. Sufficient instructions for using technology	EOL01e	0	Not at all	3	2	92	1	3.0	3.0	.06
		1	Very little	13	6	441	6			
		2	Some	43	21	1,459	21			
		3	Quite a bit	61	30	2,559	35			
		4	Very much	84	42	2,787	36			
	Total	204	100	7,338	100					
f. Clarity about when instructors would respond to you (answers to your questions, feedback about coursework, etc.)	EOL01f	0	Not at all	2	1	108	2	3.1	3.0 *	.14
		1	Very little	11	6	483	7			
		2	Some	41	19	1,469	21			
		3	Quite a bit	61	31	2,506	35			
		4	Very much	89	44	2,771	36			
	Total	204	100	7,337	100		Δ			
g. Clear expectations for your interactions with other students	EOL01g	0	Not at all	4	2	156	2	3.1	2.9 *	.16
		1	Very little	10	5	552	8			
		2	Some	41	20	1,483	21			
		3	Quite a bit	60	29	2,389	34			
		4	Very much	89	44	2,744	35			
	Total	204	100	7,324	100		Δ			

NSSE 2021 Experiences with Online Learning

Frequencies and Statistical Comparisons

Angelo State University

Seniors

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				ASU		Public Institutions		ASU	Public Institutions	
				Count	%	Count	%	Mean	Mean	Effect size ^d
h. Assessments (quizzes, projects, assignments, exams, etc.) that help you achieve course learning objectives or goals	EOL01h	0	Not at all	2	1	78	1	3.2	3.1	.09
		1	Very little	4	2	279	4			
		2	Some	38	20	1,179	17			
		3	Quite a bit	59	28	2,620	36			
		4	Very much	101	49	3,175	42			
		Total		204	100	7,331	100			
i. Instructional materials (readings, videos, etc.) that help you achieve course learning objectives or goals	EOL01i	0	Not at all	2	1	67	1	3.2	3.1	.11
		1	Very little	6	3	296	4			
		2	Some	35	17	1,204	17			
		3	Quite a bit	61	30	2,634	37			
		4	Very much	100	49	3,123	41			
		Total		204	100	7,324	100			
2. During the current school year, about how many of your <i>entirely or partly online</i> courses included the following?										
a. Live sessions including the instructor and students	EOL02a	1	None	18	9	570	8	2.7	2.9 ***	-0.24
		2	Some	73	36	1,863	25			
		3	Most	69	33	2,340	34			
		4	All	42	23	2,560	33			
				Total		202	100			
b. Pre-recorded presentations by the instructor	EOL02b	1	None	33	18	1,374	18	2.4	2.3	.12
		2	Some	73	36	3,287	46			
		3	Most	64	32	1,575	22			
		4	All	30	14	1,088	13			
				Total		200	100			
c. Presentations or talks by experts in the field (live or recorded)	EOL02c	1	None	58	29	2,137	30	2.1	2.1	.04
		2	Some	81	40	3,253	44			
		3	Most	44	22	1,103	15			
		4	All	19	8	834	10			
				Total		202	100			
d. Group projects or presentations	EOL02d	1	None	40	22	1,125	15	2.2	2.3 **	-0.19
		2	Some	101	49	3,561	47			
		3	Most	41	20	1,700	25			
		4	All	20	10	936	12			
				Total		202	100			
e. Interaction among students in small groups or breakout rooms	EOL02e	1	None	53	26	1,332	18	2.2	2.3 **	-0.19
		2	Some	84	42	3,208	44			
		3	Most	43	21	1,761	25			
		4	All	21	11	1,022	13			
				Total		201	100			
f. Frequent quizzes or short assignments to check your understanding	EOL02f	1	None	7	4	374	5	2.9	2.8	.03
		2	Some	56	28	2,215	31			
		3	Most	89	44	2,803	39			
		4	All	49	23	1,931	25			
				Total		201	100			

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

NSSE 2021 Experiences with Online Learning

Frequencies and Statistical Comparisons

Angelo State University

Seniors

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				ASU		Public Institutions		ASU	Public Institutions	Effect size ^d
				Count	%	Count	%	Mean	Mean	
g. Coursework that challenges you to enhance your knowledge, skills, and abilities	EOL02g	1	None	6	3	119	2	3.1	3.1	-.06
		2	Some	38	18	1,413	20			
		3	Most	89	44	2,939	41			
		4	All	68	35	2,844	37			
		Total		201	100	7,315	100			
h. Opportunities for personalized feedback, support, and guidance from the instructor	EOL02h	1	None	5	3	332	5	3.0	2.9	.10
		2	Some	55	28	2,103	30			
		3	Most	78	37	2,483	34			
		4	All	62	32	2,399	30			
		Total		200	100	7,317	100			
i. Opportunities to apply your learning to a real-world problem or issue	EOL02i	1	None	16	10	477	7	2.8	2.8	-.01
		2	Some	60	29	2,317	33			
		3	Most	71	35	2,472	34			
		4	All	54	27	2,050	26			
		Total		201	100	7,316	100			
3. During the current school year, how comfortable have you been doing the following in your <i>entirely or partly online</i> courses?										
a. Participating in online discussion boards, forums, or other discussion tools	EOL03a	1	Not at all comfortable	4	3	195	3	5.2	4.9 *	.17
		2		2	1	262	4			
		3		10	5	505	8			
		4		26	13	1,063	16			
		5		48	23	1,521	21			
		6	Very comfortable	105	52	3,642	47			
		—	Not applicable	6	3	128	2			
Total		201	100	7,316	100					
b. Participating in live course discussions	EOL03b	1	Not at all comfortable	6	4	312	4	4.7	4.6	.11
		2		10	5	420	6			
		3		15	7	733	11			
		4		34	16	1,314	19			
		5		51	24	1,402	20			
		6	Very comfortable	69	36	2,676	35			
		—	Not applicable	16	8	453	6			
Total		201	100	7,310	100					
c. Taking proctored online exams	EOL03c	1	Not at all comfortable	6	3	733	11	4.8	4.2 ***	.35
		2		11	5	499	7			
		3		13	7	618	9			
		4		36	18	1,027	14			
		5		46	22	1,146	16			
		6	Very comfortable	77	39	2,059	27			
		—	Not applicable	12	6	1,228	15			
Total		201	100	7,310	100					

NSSE 2021 Experiences with Online Learning

Frequencies and Statistical Comparisons Angelo State University

Seniors

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				ASU		Public Institutions		ASU	Public Institutions	
				Count	%	Count	%	Mean	Mean	Effect size ^d
d. Interacting with other students in the course	EOL03d	1	Not at all comfortable	4	3	180	3	5.0	4.7 **	.21
		2		5	2	412	6			
		3		15	7	766	11			
		4		33	17	1,318	19			
		5		55	25	1,646	23			
		6	Very comfortable	85	44	2,851	37			
		—	Not applicable	4	3	137	2			
		Total		201	100	7,310	100			
e. Interacting with your instructor to discuss course topics, ideas, or concepts	EOL03e	1	Not at all comfortable	5	3	167	2	5.1	4.8 ***	.23
		2		3	1	348	5			
		3		9	4	651	9			
		4		33	16	1,324	19			
		5		54	26	1,699	23			
		6	Very comfortable	93	48	3,045	40			
		—	Not applicable	4	2	76	1			
		Total		201	100	7,310	100			
f. Using learning support services (tutoring services, writing center, etc.)	EOL03f	1	Not at all comfortable	8	5	519	8	4.6	4.1 ***	.33
		2		12	6	683	10			
		3		13	6	817	11			
		4		35	18	1,055	15			
		5		48	23	946	13			
		6	Very comfortable	64	32	1,858	24			
		—	Not applicable	21	11	1,424	20			
		Total		201	100	7,302	100			
g. Seeking feedback and guidance from your instructor	EOL03g	1	Not at all comfortable	6	4	247	4	5.0	4.7 **	.22
		2		8	4	395	6			
		3		7	4	706	10			
		4		30	14	1,300	18			
		5		56	27	1,609	22			
		6	Very comfortable	88	45	2,917	38			
		—	Not applicable	5	3	139	2			
		Total		200	100	7,313	100			
4. To improve the online course-taking experience, how important is it that your institution do the following?										
a. Increase interactions between students	EOL04a	1	Not at all important	15	8	994	14	2.7	2.6	.11
		2	Somewhat important	63	33	2,350	32			
		3	Important	72	36	2,375	32			
		4	Very important	49	23	1,574	22			
		Total		199	100	7,293	100			
b. Increase interactions with instructors	EOL04b	1	Not at all important	4	3	322	4	3.2	3.0 **	.21
		2	Somewhat important	28	14	1,561	21			
		3	Important	87	43	2,934	40			
		4	Very important	80	40	2,473	34			
		Total		199	100	7,290	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 ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				ASU		Public Institutions		ASU	Public Institutions	
				Count	%	Count	%	Mean	Mean	Effect size ^d
c. Improve responsiveness of instructors	EOL04c	1	Not at all important	3	2	310	4	3.2	3.2	.08
		2	Somewhat important	33	16	1,271	18			
		3	Important	80	41	2,721	37			
		4	Very important	86	41	2,990	41			
		Total		202	100	7,292	100			
d. Improve online tools for student collaboration	EOL04d	1	Not at all important	8	5	423	6	3.0	3.0	-.02
		2	Somewhat important	42	21	1,503	21			
		3	Important	84	42	2,723	37			
		4	Very important	68	32	2,634	37			
		Total		202	100	7,283	100			
e. Provide more online learning support services (tutoring services, writing center, etc.)	EOL04e	1	Not at all important	11	6	583	9	2.8	2.8	-.01
		2	Somewhat important	63	33	2,024	28			
		3	Important	67	33	2,602	35			
		4	Very important	60	28	2,069	29			
		Total		201	100	7,278	100			

5. Please describe one way *online learning* at your institution could be improved and one thing that should not be changed.

This final question asked students to respond in an open text box. Comments were recorded for 109 first-year students and 89 seniors. Responses are provided in your NSSE21 Student Comments Report and in a separate SPSS data file.

These open-ended responses appear exactly as respondents entered them and may not be suitable for distribution without prior review.

6. Considering your experience taking *partly or entirely online* courses during the current school year, to what extent do you agree or disagree with the following statements?

a. Internet service (availability, speed, reliability, etc.) where you live has been sufficient to participate in the course.	EOL06a	1	Strongly disagree	3	1	155	2	3.2	3.2	.01
		2	Disagree	22	10	686	10			
		3	Agree	108	52	3,634	51			
		4	Strongly agree	66	37	2,739	38			
		Total		199	100	7,214	100			
b. The hardware (computer, tablet, mobile phone, printer, etc.) and software where you live have been sufficient to participate in the course.	EOL06b	1	Strongly disagree	2	1	80	1	3.3	3.3	.00
		2	Disagree	16	7	449	6			
		3	Agree	106	50	3,644	51			
		4	Strongly agree	77	42	3,066	42			
		Total		201	100	7,239	100			
c. Study spaces where you live have been sufficient for your needs.	EOL06c	1	Strongly disagree	7	4	318	5	3.1	3.1	.02
		2	Disagree	38	16	1,163	16			
		3	Agree	101	50	3,466	48			
		4	Strongly agree	54	30	2,297	31			
		Total		200	100	7,244	100			
d. Technology support has been available.	EOL06d	1	Strongly disagree	3	2	168	3	3.2	3.1 *	.17 △
		2	Disagree	17	8	869	12			
		3	Agree	118	56	4,063	57			
		4	Strongly agree	63	34	2,128	28			
		Total		201	100	7,228	100			

NSSE 2021 Experiences with Online Learning

Frequencies and Statistical Comparisons

Angelo State University

Seniors

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				ASU		Public Institutions		ASU	Public Institutions	
				Count	%	Count	%	Mean	Mean	Effect size ^d
e. The online course platform has been user-friendly (available when needed, easy to access and navigate, etc.).	EOL06e	1	Strongly disagree	3	2	123	2	3.2	3.2	.03
		2	Disagree	15	7	494	7			
		3	Agree	118	56	4,141	58			
		4	Strongly agree	65	35	2,474	33			
			Total	201	100	7,232	100			
7. Which of the following best describes how your entirely or partly online courses have typically been delivered?										
	EOL07	—	Synchronous (live class meetings at scheduled times)	39	20	2,479	34			
		—	Asynchronous (participation not at scheduled times)	54	28	1,202	16			
		—	A mixture of synchronous and asynchronous	106	52	3,554	50			
			Total	199	100	7,235	100			
8. How would you evaluate your online learning experience during the current school year?										
	EOL08	1	Poor	7	4	463	7	3.1	2.9 ***	.24
		2	Fair	35	16	1,598	23			
		3	Good	85	44	2,930	41			
		4	Excellent	71	36	2,267	29			
			Total	198	100	7,258	100			

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

First-Year Students

Variable name	N	Mean		Standard error ^f		Standard deviation ^g		DF ^h	Sig. ⁱ	Effect size ^d
		ASU	Public Institutions	ASU	Public Institutions	ASU	Public Institutions			
EOL01a	202	2.81	2.97	.067	.010	0.96	0.91	210	.021	-.17
EOL01b	202	2.78	2.88	.068	.010	0.96	0.96	8,711	.137	-.11
EOL01c	202	3.09	3.17	.059	.009	0.84	0.87	8,741	.216	-.09
EOL01d	202	2.91	2.92	.068	.010	0.96	0.95	8,736	.821	-.02
EOL01e	201	2.84	2.85	.067	.011	0.94	0.98	8,733	.868	-.01
EOL01f	202	2.84	2.88	.067	.011	0.95	0.99	8,728	.601	-.04
EOL01g	200	2.71	2.72	.076	.012	1.08	1.11	8,721	.899	-.01
EOL01h	202	3.02	3.07	.064	.010	0.91	0.91	8,726	.388	-.06
EOL01i	202	3.01	3.06	.064	.010	0.91	0.89	8,721	.411	-.06
EOL02a	202	2.51	2.97	.061	.009	0.86	0.84	210	.000	-.54
EOL02b	201	2.56	2.32	.056	.010	0.79	0.89	8,721	.000	.27
EOL02c	202	2.03	2.10	.065	.010	0.93	0.92	8,710	.261	-.08
EOL02d	202	1.85	2.07	.055	.009	0.78	0.83	8,704	.000	-.26
EOL02e	202	1.86	2.39	.056	.009	0.80	0.86	212	.000	-.62
EOL02f	202	2.87	2.92	.059	.009	0.83	0.79	8,714	.382	-.06
EOL02g	202	3.01	3.07	.054	.008	0.77	0.76	8,714	.227	-.09
EOL02h	201	2.73	2.83	.059	.009	0.84	0.84	8,711	.092	-.12
EOL02i	201	2.51	2.60	.062	.009	0.89	0.87	8,688	.148	-.10
EOL03a	197	4.62	4.59	.097	.015	1.37	1.36	8,634	.755	.02
EOL03b	193	4.20	4.21	.098	.016	1.36	1.46	8,424	.900	-.01
EOL03c	191	4.27	4.05	.116	.019	1.60	1.64	7,961	.073	.13
EOL03d	193	4.29	4.25	.099	.016	1.38	1.42	8,582	.653	.03
EOL03e	198	4.53	4.44	.089	.015	1.25	1.35	208	.307	.07
EOL03f	193	4.00	3.92	.115	.018	1.60	1.58	7,828	.501	.05
EOL03g	199	4.44	4.41	.101	.015	1.42	1.40	8,558	.706	.03
EOL04a	200	2.73	2.77	.061	.010	0.86	0.91	8,685	.516	-.05
EOL04b	200	3.09	3.07	.059	.009	0.84	0.79	208	.804	.02
EOL04c	200	3.24	3.13	.058	.009	0.81	0.82	8,657	.078	.13
EOL04d	200	3.10	3.06	.054	.009	0.77	0.83	8,674	.486	.05
EOL04e	200	2.98	2.88	.058	.009	0.82	0.87	210	.078	.12
EOL06a	200	3.03	3.18	.051	.008	0.72	0.69	8,566	.003	-.22
EOL06b	200	3.19	3.33	.042	.007	0.59	0.62	209	.001	-.23
EOL06c	198	3.15	3.11	.042	.008	0.59	0.72	211	.421	.05
EOL06d	199	3.16	3.13	.041	.007	0.58	0.67	8,586	.518	.05
EOL06e	200	3.15	3.18	.046	.007	0.65	0.65	8,573	.631	-.03
EOL08	197	2.96	2.84	.058	.009	0.82	0.85	206	.037	.15

Seniors

Variable name	N	Mean		Standard error ^f		Standard deviation ^g		DF ^h	Sig. ⁱ	Effect size ^d
	ASU	ASU	Public Institutions	ASU	Public Institutions	ASU	Public Institutions			
EOL01a	204	3.09	3.12	.064	.009	0.92	0.88	10,261	.655	-.03
EOL01b	203	3.07	3.04	.065	.009	0.93	0.92	10,244	.691	.03
EOL01c	203	3.37	3.29	.056	.008	0.80	0.83	10,267	.165	.10
EOL01d	203	3.13	3.07	.068	.009	0.97	0.92	10,252	.321	.07
EOL01e	202	3.04	2.98	.070	.010	1.00	0.98	10,259	.396	.06
EOL01f	202	3.10	2.97	.068	.010	0.97	0.99	10,256	.048	.14
EOL01g	202	3.08	2.91	.071	.010	1.01	1.04	10,233	.023	.16
EOL01h	202	3.22	3.14	.064	.009	0.91	0.91	10,249	.191	.09
EOL01i	202	3.22	3.12	.065	.009	0.92	0.91	10,240	.138	.11
EOL02a	201	2.69	2.91	.065	.009	0.92	0.94	10,243	.001	-.24
EOL02b	199	2.42	2.31	.067	.009	0.94	0.92	10,232	.086	.12
EOL02c	201	2.10	2.06	.065	.009	0.91	0.93	10,239	.594	.04
EOL02d	201	2.17	2.34	.062	.009	0.88	0.88	10,231	.008	-.19
EOL02e	200	2.16	2.33	.066	.009	0.94	0.92	10,230	.008	-.19
EOL02f	200	2.87	2.84	.058	.009	0.82	0.86	10,230	.721	.03
EOL02g	200	3.09	3.14	.058	.008	0.81	0.79	10,221	.433	-.06
EOL02h	199	2.99	2.90	.060	.009	0.85	0.89	207	.152	.10
EOL02i	200	2.78	2.79	.068	.009	0.96	0.91	10,219	.863	-.01
EOL03a	194	5.15	4.93	.086	.013	1.20	1.34	203	.010	.17
EOL03b	183	4.72	4.56	.104	.015	1.41	1.47	9,597	.143	.11
EOL03c	187	4.78	4.16	.100	.019	1.37	1.75	200	.000	.35
EOL03d	194	4.96	4.68	.088	.014	1.23	1.37	203	.002	.21
EOL03e	195	5.08	4.77	.086	.013	1.20	1.33	204	.000	.23
EOL03f	178	4.62	4.07	.109	.019	1.45	1.69	188	.000	.33
EOL03g	193	4.97	4.66	.095	.014	1.32	1.42	201	.002	.22
EOL04a	198	2.73	2.62	.064	.010	0.91	0.98	206	.089	.11
EOL04b	198	3.21	3.04	.055	.009	0.78	0.86	10,179	.004	.21
EOL04c	201	3.22	3.15	.055	.009	0.78	0.86	10,185	.285	.08
EOL04d	201	3.02	3.04	.060	.009	0.85	0.90	10,165	.757	-.02
EOL04e	200	2.83	2.84	.064	.009	0.91	0.94	10,168	.853	-.01
EOL06a	197	3.24	3.23	.048	.007	0.68	0.71	10,070	.848	.01
EOL06b	199	3.33	3.33	.046	.006	0.65	0.65	10,116	.989	.00
EOL06c	198	3.07	3.05	.055	.008	0.78	0.81	10,121	.797	.02
EOL06d	199	3.23	3.10	.047	.007	0.66	0.71	10,098	.017	.17
EOL06e	199	3.23	3.22	.048	.007	0.67	0.66	10,110	.708	.03
EOL08	196	3.13	2.91	.058	.009	0.81	0.90	10,138	.001	.24

See the endnotes on the last page of this report.

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. Comparison group details are in the *Selected Comparison Groups* report, linked in the Data & Reports table on the Institution Interface.
- 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."

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.