NSSE 2022 Topical Module Report

Experiences with Online Learning

University of New Hampshire at Manchester

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.

Comparison group details are in the online Selected Comparison Groups report, linked in the Data & Reports table on the Institution Interface. A PDF copy is also saved in your report download folder.

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NSSE 2022 Experiences with Online Learning

Frequencies and Statistical Comparisons
University of New Hampshire at Manchester

First-Year Students

Item wording or description	Variable name	Values [c]	Response options	Frequency Distributions [a]				Statistical Comparisons [b]		
				UNH Manchester		All 2022 module ppts		UNH Manchester	All 2022 module ppts	
				Count	%	Count	%	Mean	Mean	Effect size [d]
1. During the current school year, to what extent have your *entirely or partly online* courses provided the following?										
a. Clearly stated learning objectives or goals	EOL01a	0	Not at all	0	0	33	1			
		1	Very little	0	0	172	5			
		2	Some	1	25	760	21	3.5	3.1	.49
		3	Quite a bit	0	0	1,317	36			
		4	Very much	3	75	1,395	38			
			Total	4	100	3,677	100			
b. Clear guidance about how to get started in the course	EOL01b	0	Not at all	0	0	49	1			
		1	Very little	0	0	191	5			
		2	Some	1	25	756	21	3.5	3.0	.49
		3	Quite a bit	0	0	1,260	35			
		4	Very much	3	75	1,386	38			
			Total	4	100	3,642	100			
c. A clearly stated grading policy	EOL01c	0	Not at all	0	0	38	1			
		1	Very little	0	0	113	3			
		2	Some	1	25	588	16	3.5	3.2	.33
		3	Quite a bit	0	0	1,248	34			
		4	Very much	3	75	1,671	46			
			Total	4	100	3,658	100			
d. Course information and activities that are easy to locate	EOL01d	0	Not at all	0	0	37	1			
		1	Very little	0	0	139	4			
		2	Some	0	0	717	20	3.8	3.1	.72
		3	Quite a bit	1	25	1,298	36			
		4	Very much	3	75	1,463	40			
			Total	4	100	3,654	100			
e. Sufficient instructions for using technology	EOL01e	0	Not at all	0	0	57	2			
		1	Very little	0	0	206	6			
		2	Some	1	25	786	21	3.5	3.0	.52
		3	Quite a bit	0	0	1,270	35			
		4	Very much	3	75	1,341	37			
			Total	4	100	3,660	100			
f. Clarity about when instructors would respond to you (answers to your questions, feedback about coursework, etc.)	EOL01f	0	Not at all	0	0	51	1			
		1	Very little	0	0	222	6			
		2	Some	1	25	821	22	3.5	3.0	.54
		3	Quite a bit	0	0	1,248	34			
		4	Very much	3	75	1,308	36			
			Total	4	100	3,650	100			
g. Clear expectations for your interactions with other students	EOL01g	0	Not at all	0	0	85	2			
		1	Very little	0	0	264	7			
		2	Some	0	0	783	21	3.8	2.9	.80
		3	Quite a bit	1	25	1,221	33			
		4	Very much	3	75	1,299	36			
			Total	4	100	3,652	100			

NSSE 2022 Experiences with Online Learning

Frequencies and Statistical Comparisons
University of New Hampshire at Manchester

First-Year Students

				Frequency Distributions[a]				Statistical Comparisons[b]		
				UNH Manchester		All 2022 module ppts		UNH Manchester	All 2022 module ppts	
Item wording or description	Variable name	Values[c]	Response options	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	34	1	3.8	3.2	.66
		1	Very little	0	0	116	3			
		2	Some	0	0	634	17			
		3	Quite a bit	1	25	1,295	36			
		4	Very much	3	75	1,567	43			
			Total	4	100	3,646	100			
i. Instructional materials (readings, videos, etc.) that help you achieve course learning objectives or goals	EOL01i	0	Not at all	0	0	30	1	3.8	3.2	.65
		1	Very little	0	0	122	3			
		2	Some	0	0	598	16			
		3	Quite a bit	1	25	1,310	36			
		4	Very much	3	75	1,583	43			
			Total	4	100	3,643	100			

2. During the current school year, about how many of your *entirely or partly online* courses included the following?

				Count	%	Count	%	Mean	Mean	Effect size
a. Live sessions including the instructor and students	EOL02a	1	None	0	0	913	25	3.5	2.3 * ▲	1.15
		2	Some	0	0	1,152	32			
		3	Most	2	50	1,012	28			
		4	All	2	50	557	15			
			Total	4	100	3,634	100			
b. Pre-recorded presentations by the instructor	EOL02b	1	None	2	50	538	15	2.0	2.5	-.48
		2	Some	1	25	1,519	42			
		3	Most	0	0	972	27			
		4	All	1	25	606	17			
			Total	4	100	3,635	100			
c. Presentations or talks by experts in the field (live or recorded)	EOL02c	1	None	0	0	959	26	2.5	2.2	.34
		2	Some	2	50	1,491	41			
		3	Most	2	50	759	21			
		4	All	0	0	425	12			
			Total	4	100	3,634	100			
d. Group projects or presentations	EOL02d	1	None	0	0	1,246	34	2.8	2.0	.87
		2	Some	2	50	1,534	42			
		3	Most	1	25	571	16			
		4	All	1	25	284	8			
			Total	4	100	3,635	100			
e. Interaction among students in small groups or breakout rooms	EOL02e	1	None	0	0	1,039	29	3.5	2.1 ** ▲	1.41
		2	Some	0	0	1,418	39			
		3	Most	2	50	769	21			
		4	All	2	50	398	11			
			Total	4	100	3,624	100			

First-Year Students

| | | | | Frequency Distributions[a] | | | | Statistical Comparisons[b] | | |
| | | | | UNH Manchester | | All 2022 module ppts | | UNH Manchester | All 2022 module ppts | |
Item wording or description	Variable name	Values[c]	Response options	Count	%	Count	%	Mean	Mean	Effect size[d]
f. Frequent quizzes or short assignments to check your understanding	EOL02f	1	None	0	0	160	4			
		2	Some	0	0	988	27			
		3	Most	2	50	1,450	40	3.5	2.9	.68
		4	All	2	50	1,031	28			
			Total	4	100	3,629	100			
g. Coursework that challenges you to enhance your knowledge, skills, and abilities	EOL02g	1	None	0	0	94	3			
		2	Some	0	0	782	22			
		3	Most	1	25	1,543	43	3.8	3.1	.85
		4	All	3	75	1,200	33			
			Total	4	100	3,619	100			
h. Opportunities for personalized feedback, support, and guidance from the instructor	EOL02h	1	None	0	0	192	5			
		2	Some	0	0	1,113	31			
		3	Most	1	25	1,286	36	3.8	2.9 *	.99
		4	All	3	75	1,029	28		▲	
			Total	4	100	3,620	100			
i. Opportunities to apply your learning to a real-world problem or issue	EOL02i	1	None	0	0	288	8			
		2	Some	1	25	1,313	36			
		3	Most	1	25	1,190	33	3.3	2.7	.60
		4	All	2	50	824	23			
			Total	4	100	3,615	100			

3. During the current school year, how comfortable have you been doing the following in your *entirely or partly online* courses?

				Count	%	Count	%	Mean	Mean	Effect size[d]
a. Participating in online discussion boards, forums, or other discussion tools	EOL03a	1	Not at all comfortable	0	0	82	2			
		2		0	0	128	4			
		3		0	0	318	9			
		4		0	0	673	19	5.5	4.9	.51
		5		2	50	872	24			
		6	Very comfortable	2	50	1,489	41			
		—	Not applicable	0	0	42	1			
			Total	4	100	3,604	100			
b. Participating in live course discussions	EOL03b	1	Not at all comfortable	0	0	209	6			
		2		0	0	288	8			
		3		0	0	495	14			
		4		2	50	744	21	4.8	4.1	.41
		5		1	25	593	17			
		6	Very comfortable	1	25	761	21			
		—	Not applicable	0	0	503	14			
			Total	4	100	3,593	100			
c. Taking proctored online exams	EOL03c	1	Not at all comfortable	0	0	211	6			
		2		0	0	195	5			
		3		0	0	366	10			
		4		0	0	618	17	5.5	4.5	.67
		5		2	50	726	20			
		6	Very comfortable	2	50	1,109	31			
		—	Not applicable	0	0	373	10			
			Total	4	100	3,598	100			

NSSE 2022 Experiences with Online Learning

Frequencies and Statistical Comparisons
University of New Hampshire at Manchester

First-Year Students

Item wording or description	Variable name	Values[c]	Response options	Frequency Distributions[a] UNH Manchester Count	%	All 2022 module ppts Count	%	Statistical Comparisons[b] UNH Manchester Mean	All 2022 module ppts Mean	Effect size[d]
d. Interacting with other students in the course	EOL03d	1	Not at all comfortable	0	0	120	3			
		2		0	0	241	7			
		3		1	25	481	13			
		4		0	0	819	23	5.0	4.4	.40
		5		1	25	787	22			
		6	Very comfortable	2	50	1,049	29			
		—	Not applicable	0	0	102	3			
			Total	4	100	3,599	100			
e. Interacting with your instructor to discuss course topics, ideas, or concepts	EOL03e	1	Not at all comfortable	0	0	101	3			
		2		0	0	206	6			
		3		1	25	447	12			
		4		0	0	788	22	5.0	4.6	.33
		5		1	25	831	23			
		6	Very comfortable	2	50	1,144	32			
		—	Not applicable	0	0	77	2			
			Total	4	100	3,594	100			
f. Using learning support services (tutoring services, writing center, etc.)	EOL03f	1	Not at all comfortable	1	25	196	5			
		2		0	0	337	9			
		3		0	0	534	15			
		4		0	0	702	20	4.3	4.1	.07
		5		2	50	595	17			
		6	Very comfortable	1	25	840	23			
		—	Not applicable	0	0	390	11			
			Total	4	100	3,594	100			
g. Seeking feedback and guidance from your instructor	EOL03g	1	Not at all comfortable	0	0	107	3			
		2		0	0	222	6			
		3		1	25	443	12			
		4		0	0	744	21	5.0	4.6	.32
		5		1	25	811	23			
		6	Very comfortable	2	50	1,183	33			
		—	Not applicable	0	0	79	2			
			Total	4	100	3,589	100			

4. To improve the *online* course-taking experience, how important is it that your institution do the following?

Item wording or description	Variable name	Values[c]	Response options	UNH Manchester Count	%	All 2022 module ppts Count	%	UNH Manchester Mean	All 2022 module ppts Mean	Effect size[d]
a. Increase interactions between students	EOL04a	1	Not at all important	2	50	404	11			
		2	Somewhat important	0	0	1,300	36			
		3	Important	2	50	1,205	34	2.0	2.6	-.65
		4	Very important	0	0	673	19			
			Total	4	100	3,582	100			
b. Increase interactions with instructors	EOL04b	1	Not at all important	0	0	115	3			
		2	Somewhat important	2	50	857	24			
		3	Important	2	50	1,541	43	2.5	3.0	-.61
		4	Very important	0	0	1,064	30			
			Total	4	100	3,577	100			

First-Year Students

| | | | | Frequency Distributions[a] | | | | Statistical Comparisons[b] | | |
| | | | | UNH Manchester | | All 2022 module ppts | | UNH Manchester | All 2022 module ppts | |
Item wording or description	Variable name	Values[c]	Response options	Count	%	Count	%	Mean	Mean	Effect size[d]
c. Improve responsiveness of instructors	EOL04c	1	Not at all important	0	0	129	4			
		2	Somewhat important	1	25	646	18			
		3	Important	0	0	1,448	40	3.5	3.1	.45
		4	Very important	3	75	1,355	38			
			Total	4	100	3,578	100			
d. Improve online tools for student collaboration	EOL04d	1	Not at all important	1	25	165	5			
		2	Somewhat important	0	0	833	23			
		3	Important	2	50	1,450	41	2.8	3.0	-.28
		4	Very important	1	25	1,131	32			
			Total	4	100	3,579	100			
e. Provide more online learning support services (tutoring services, writing center, etc.)	EOL04e	1	Not at all important	0	0	204	6			
		2	Somewhat important	1	25	961	27			
		3	Important	2	50	1,410	39	3.0	2.9	.12
		4	Very important	1	25	998	28			
			Total	4	100	3,573	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 3 first-year students and 11 seniors. Responses are provided in your NSSE22 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?

Item wording or description	Variable name	Values[c]	Response options	Count	%	Count	%	Mean	Mean	Effect size[d]
a. Internet service (availability, speed, reliability, etc.) where you live has been sufficient to participate in the course.	EOL06a	1	Strongly disagree	0	0	91	3			
		2	Disagree	0	0	309	9			
		3	Agree	1	25	1,778	51	3.8	3.2	.73
		4	Strongly agree	3	75	1,287	37			
			Total	4	100	3,465	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	0	0	49	1			
		2	Disagree	0	0	215	6			
		3	Agree	0	0	1,826	53	4.0 ▲	3.3 ***	1.07
		4	Strongly agree	4	100	1,385	40			
			Total	4	100	3,475	100			
c. Study spaces where you live have been sufficient for your needs.	EOL06c	1	Strongly disagree	0	0	78	2			
		2	Disagree	0	0	373	11			
		3	Agree	2	50	1,883	54	3.5	3.2	.46
		4	Strongly agree	2	50	1,144	33			
			Total	4	100	3,478	100			
d. Technology support has been available.	EOL06d	1	Strongly disagree	0	0	58	2			
		2	Disagree	0	0	297	9			
		3	Agree	3	75	2,045	59	3.3	3.2	.09
		4	Strongly agree	1	25	1,078	31			
			Total	4	100	3,478	100			

NSSE 2022 Experiences with Online Learning
Frequencies and Statistical Comparisons
University of New Hampshire at Manchester

First-Year Students

Item wording or description	Variable name	Values[c]	Response options	Frequency Distributions[a] UNH Manchester Count	%	All 2022 module ppts Count	%	Statistical Comparisons[b] UNH Manchester Mean	All 2022 module ppts 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	0	0	50	1	3.5	3.3	.36
		2	Disagree	0	0	200	6			
		3	Agree	2	50	1,970	57			
		4	Strongly agree	2	50	1,254	36			
			Total	4	100	3,474	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)	1	25	450	13			
		—	Asynchronous (participation not at scheduled times)	0	0	1,257	36			
		—	A mixture of synchronous and asynchronous	3	75	1,746	51			
			Total	4	100	3,453	100			
8. How would you evaluate your online learning experience during the current school year?										
	EOL08	1	Poor	0	0	118	3	3.8	3.1	.82
		2	Fair	0	0	603	17			
		3	Good	1	25	1,587	45			
		4	Excellent	3	75	1,180	34			
			Total	4	100	3,488	100			

NSSE 2022 Experiences with Online Learning
Frequencies and Statistical Comparisons
University of New Hampshire at Manchester

Seniors

				Frequency Distributions[a]				Statistical Comparisons[b]		
				UNH Manchester		All 2022 module ppts		UNH Manchester	All 2022 module ppts	
Item wording or description	Variable name	Values[c]	Response options	Count	%	Count	%	Mean	Mean	Effect size[d]
1. During the current school year, to what extent have your *entirely or partly online* courses provided the following?										
a. Clearly stated learning objectives or goals	EOL01a	0	Not at all	0	0	55	1	**3.1**	3.2	-.19
		1	Very little	1	3	241	3			
		2	Some	7	22	1,262	15			
		3	Quite a bit	13	41	2,859	35			
		4	Very much	11	34	3,764	46			
			Total	32	100	8,181	100			
b. Clear guidance about how to get started in the course	EOL01b	0	Not at all	0	0	56	1	**3.0**	3.2	-.16
		1	Very little	1	3	294	4			
		2	Some	9	28	1,410	17			
		3	Quite a bit	10	31	2,829	35			
		4	Very much	12	38	3,545	44			
			Total	32	100	8,134	100			
c. A clearly stated grading policy	EOL01c	0	Not at all	0	0	42	1	**3.1**	3.3	-.30
		1	Very little	1	3	172	2			
		2	Some	7	22	1,017	12			
		3	Quite a bit	12	38	2,727	33			
		4	Very much	12	38	4,218	52			
			Total	32	100	8,176	100			
d. Course information and activities that are easy to locate	EOL01d	0	Not at all	0	0	52	1	**3.0**	3.2	-.26
		1	Very little	2	6	262	3			
		2	Some	8	26	1,361	17			
		3	Quite a bit	10	32	2,881	35			
		4	Very much	11	35	3,603	44			
			Total	31	100	8,159	100			
e. Sufficient instructions for using technology	EOL01e	0	Not at all	0	0	77	1	**2.8**	3.1	-.34
		1	Very little	4	13	338	4			
		2	Some	9	28	1,517	19			
		3	Quite a bit	8	25	2,757	34			
		4	Very much	11	34	3,475	43			
			Total	32	100	8,164	100			
f. Clarity about when instructors would respond to you (answers to your questions, feedback about coursework, etc.)	EOL01f	0	Not at all	0	0	86	1	**2.8**	3.1	-.30
		1	Very little	4	13	418	5			
		2	Some	7	22	1,566	19			
		3	Quite a bit	12	38	2,675	33			
		4	Very much	9	28	3,420	42			
			Total	32	100	8,165	100			
g. Clear expectations for your interactions with other students	EOL01g	0	Not at all	1	3	127	2	**2.7**	3.1 ** ▼	-.46
		1	Very little	4	13	388	5			
		2	Some	7	22	1,436	18			
		3	Quite a bit	13	41	2,797	34			
		4	Very much	7	22	3,399	42			
			Total	32	100	8,147	100			

Seniors

				Frequency Distributions[a]				Statistical Comparisons[b]		
				UNH Manchester		All 2022 module ppts		UNH Manchester	All 2022 module ppts	
Item wording or description	Variable name	Values[c]	Response options	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	72	1	3.0	3.3	-.30
		1	Very little	2	6	225	3			
		2	Some	7	23	1,119	14			
		3	Quite a bit	11	35	2,869	35			
		4	Very much	11	35	3,874	47			
			Total	31	100	8,159	100			
i. Instructional materials (readings, videos, etc.) that help you achieve course learning objectives or goals	EOL01i	0	Not at all	0	0	66	1	3.1	3.3	-.15
		1	Very little	3	9	224	3			
		2	Some	3	9	1,160	14			
		3	Quite a bit	13	41	2,813	35			
		4	Very much	13	41	3,877	48			
			Total	32	100	8,140	100			

2. During the current school year, about how many of your *entirely or partly online* courses included the following?

				UNH Manchester		All 2022 module ppts		UNH Manchester Mean	All 2022 module ppts Mean	Effect size[d]
a. Live sessions including the instructor and students	EOL02a	1	None	1	3	1,253	15	2.9	2.5 * ▲	.36
		2	Some	9	28	2,802	34			
		3	Most	15	47	2,617	32			
		4	All	7	22	1,461	18			
			Total	32	100	8,133	100			
b. Pre-recorded presentations by the instructor	EOL02b	1	None	7	22	832	10	2.3	2.6	-.24
		2	Some	13	41	3,366	41			
		3	Most	6	19	2,428	30			
		4	All	6	19	1,495	18			
			Total	32	100	8,121	100			
c. Presentations or talks by experts in the field (live or recorded)	EOL02c	1	None	7	22	1,783	22	2.2	2.2	-.06
		2	Some	16	50	3,587	44			
		3	Most	5	16	1,754	22			
		4	All	4	13	1,002	12			
			Total	32	100	8,126	100			
d. Group projects or presentations	EOL02d	1	None	6	19	1,239	15	2.2	2.4	-.28
		2	Some	18	56	3,461	43			
		3	Most	5	16	2,283	28			
		4	All	3	9	1,137	14			
			Total	32	100	8,120	100			
e. Interaction among students in small groups or breakout rooms	EOL02e	1	None	1	3	1,311	16	2.7	2.5	.21
		2	Some	15	47	3,108	38			
		3	Most	10	31	2,394	29			
		4	All	6	19	1,308	16			
			Total	32	100	8,121	100			
f. Frequent quizzes or short assignments to check your understanding	EOL02f	1	None	0	0	292	4	2.8	3.0	-.25
		2	Some	13	41	2,011	25			
		3	Most	13	41	3,284	40			
		4	All	6	19	2,522	31			
			Total	32	100	8,109	100			

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

NSSE 2022 Experiences with Online Learning

Frequencies and Statistical Comparisons
University of New Hampshire at Manchester

Seniors

Item wording or description	Variable name	Values[c]	Response options	Frequency Distributions[a] UNH Manchester Count	UNH Manchester %	All 2022 module ppts Count	All 2022 module ppts %	Statistical Comparisons[b] UNH Manchester Mean	All 2022 module ppts Mean	Effect size[d]
g. Coursework that challenges you to enhance your knowledge, skills, and abilities	EOL02g	1	None	0	0	123	2			
		2	Some	10	31	1,423	18			
		3	Most	12	38	3,421	42	3.0	3.2	-.24
		4	All	10	31	3,149	39			
			Total	32	100	8,116	100			
h. Opportunities for personalized feedback, support, and guidance from the instructor	EOL02h	1	None	0	0	296	4			
		2	Some	13	41	2,239	28			
		3	Most	10	31	2,972	37	2.9	3.0	-.11
		4	All	9	28	2,591	32			
			Total	32	100	8,098	100			
i. Opportunities to apply your learning to a real-world problem or issue	EOL02i	1	None	1	3	432	5			
		2	Some	13	41	2,400	30			
		3	Most	9	28	3,010	37	2.8	2.9	-.07
		4	All	9	28	2,254	28			
			Total	32	100	8,096	100			

3. During the current school year, how comfortable have you been doing the following in your *entirely or partly online* courses?

Item wording or description	Variable name	Values[c]	Response options	UNH Manchester Count	UNH Manchester %	All 2022 module ppts Count	All 2022 module ppts %	UNH Manchester Mean	All 2022 module ppts Mean	Effect size[d]
a. Participating in online discussion boards, forums, or other discussion tools	EOL03a	1	Not at all comfortable	1	3	200	2			
		2		2	6	230	3			
		3		3	10	473	6			
		4		9	29	1,038	13	4.4	5.1 ** ▼	-.56
		5		8	26	1,711	21			
		6	Very comfortable	7	23	4,271	53			
		—	Not applicable	1	3	127	2			
			Total	31	100	8,050	100			
b. Participating in live course discussions	EOL03b	1	Not at all comfortable	2	6	332	4			
		2		2	6	417	5			
		3		5	16	812	10			
		4		7	23	1,481	18	4.2	4.6	-.24
		5		8	26	1,583	20			
		6	Very comfortable	7	23	2,586	32			
		—	Not applicable	0	0	845	10			
			Total	31	100	8,056	100			
c. Taking proctored online exams	EOL03c	1	Not at all comfortable	3	10	866	11			
		2		2	6	487	6			
		3		2	6	700	9			
		4		5	16	1,180	15	4.1	4.3	-.10
		5		6	19	1,312	16			
		6	Very comfortable	6	19	2,550	32			
		—	Not applicable	7	23	947	12			
			Total	31	100	8,042	100			

Seniors

Item wording or description	Variable name	Values[c]	Response options	Frequency Distributions[a]				Statistical Comparisons[b]		
				UNH Manchester		All 2022 module ppts		UNH Manchester	All 2022 module ppts	
				Count	%	Count	%	Mean	Mean	Effect size[d]
d. Interacting with other students in the course	EOL03d	1	Not at all comfortable	1	3	182	2	4.3	4.8 * ▼	-.42
		2		3	10	381	5			
		3		2	6	738	9			
		4		11	35	1,465	18			
		5		9	29	1,852	23			
		6	Very comfortable	5	16	3,293	41			
		—	Not applicable	0	0	136	2			
			Total	31	100	8,047	100			
e. Interacting with your instructor to discuss course topics, ideas, or concepts	EOL03e	1	Not at all comfortable	1	3	156	2	4.6	4.9	-.20
		2		0	0	332	4			
		3		4	13	710	9			
		4		10	32	1,465	18			
		5		5	16	1,871	23			
		6	Very comfortable	10	32	3,403	42			
		—	Not applicable	1	3	105	1			
			Total	31	100	8,042	100			
f. Using learning support services (tutoring services, writing center, etc.)	EOL03f	1	Not at all comfortable	2	6	427	5	4.0	4.3	-.17
		2		3	10	644	8			
		3		3	10	919	11			
		4		6	19	1,331	17			
		5		6	19	1,125	14			
		6	Very comfortable	5	16	2,207	27			
		—	Not applicable	6	19	1,389	17			
			Total	31	100	8,042	100			
g. Seeking feedback and guidance from your instructor	EOL03g	1	Not at all comfortable	2	6	219	3	4.4	4.8	-.33
		2		0	0	383	5			
		3		7	23	705	9			
		4		6	19	1,471	18			
		5		8	26	1,809	22			
		6	Very comfortable	8	26	3,306	41			
		—	Not applicable	0	0	159	2			
			Total	31	100	8,052	100			

4. To improve the *online* course-taking experience, how important is it that your institution do the following?

Item wording or description	Variable name	Values[c]	Response options	UNH Manchester Count	%	All 2022 module ppts Count	%	UNH Manchester Mean	All 2022 module ppts Mean	Effect size[d]
a. Increase interactions between students	EOL04a	1	Not at all important	5	17	1,010	13	2.7	2.6	.03
		2	Somewhat important	6	20	2,657	33			
		3	Important	13	43	2,567	32			
		4	Very important	6	20	1,797	22			
			Total	30	100	8,031	100			
b. Increase interactions with instructors	EOL04b	1	Not at all important	2	7	286	4	2.8	3.1	-.28
		2	Somewhat important	8	27	1,704	21			
		3	Important	13	43	3,204	40			
		4	Very important	7	23	2,831	35			
			Total	30	100	8,025	100			

Seniors

				Frequency Distributions[a]				Statistical Comparisons[b]		
				UNH Manchester		All 2022 module ppts		UNH Manchester	All 2022 module ppts	
Item wording or description	Variable name	Values[c]	Response options	Count	%	Count	%	Mean	Mean	Effect size[d]
c. Improve responsiveness of instructors	EOL04c	1	Not at all important	3	10	256	3			
		2	Somewhat important	8	27	1,326	17			
		3	Important	12	40	2,963	37	2.8	3.2 **	-.53
		4	Very important	7	23	3,479	43		▼	
			Total	30	100	8,024	100			
d. Improve online tools for student collaboration	EOL04d	1	Not at all important	3	10	434	5			
		2	Somewhat important	6	20	1,710	21			
		3	Important	14	47	3,012	38	2.8	3.0	-.23
		4	Very important	7	23	2,865	36			
			Total	30	100	8,021	100			
e. Provide more online learning support services (tutoring services, writing center, etc.)	EOL04e	1	Not at all important	4	13	519	6			
		2	Somewhat important	7	23	2,058	26			
		3	Important	12	40	2,917	36	2.7	2.9	-.21
		4	Very important	7	23	2,522	31			
			Total	30	100	8,016	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 3 first-year students and 11 seniors. Responses are provided in your NSSE22 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	1	3	110	1			
		2	Disagree	2	7	566	7			
		3	Agree	17	57	3,775	48	3.2	3.3	-.20
		4	Strongly agree	10	33	3,387	43			
			Total	30	100	7,838	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	3	96	1			
		2	Disagree	1	3	397	5			
		3	Agree	18	60	3,768	48	3.2	3.4	-.24
		4	Strongly agree	10	33	3,612	46			
			Total	30	100	7,873	100			
c. Study spaces where you live have been sufficient for your needs.	EOL06c	1	Strongly disagree	1	3	219	3			
		2	Disagree	4	13	935	12			
		3	Agree	17	57	3,878	49	3.1	3.2	-.16
		4	Strongly agree	8	27	2,841	36			
			Total	30	100	7,873	100			
d. Technology support has been available.	EOL06d	1	Strongly disagree	2	6	123	2			
		2	Disagree	5	16	725	9			
		3	Agree	19	61	4,319	55	2.9	3.2 **	-.52
		4	Strongly agree	5	16	2,706	34		▼	
			Total	31	100	7,873	100			

Seniors

Item wording or description	Variable name	Values[c]	Response options	Frequency Distributions[a] UNH Manchester Count	Frequency Distributions[a] UNH Manchester %	All 2022 module ppts Count	All 2022 module ppts %	Statistical Comparisons[b] UNH Manchester Mean	All 2022 module ppts 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	6	88	1	2.9	3.3 *** ▼	-.62
		2	Disagree	4	13	415	5			
		3	Agree	19	61	4,231	54			
		4	Strongly agree	6	19	3,114	40			
			Total	31	100	7,848	100			

7. Which of the following best describes how your entirely or partly online courses have typically been delivered?

Item wording or description	Variable name	Values[c]	Response options	Frequency Distributions[a] UNH Manchester Count	Frequency Distributions[a] UNH Manchester %	All 2022 module ppts Count	All 2022 module ppts %	Statistical Comparisons[b] UNH Manchester Mean	All 2022 module ppts Mean	Effect size[d]
	EOL07	—	Synchronous (live class meetings at scheduled times)	9	29	1,283	16			
		—	Asynchronous (participation not at scheduled times)	2	6	2,481	32			
		—	A mixture of synchronous and asynchronous	20	65	4,111	52			
			Total	31	100	7,875	100			

8. How would you evaluate your online learning experience during the current school year?

Item wording or description	Variable name	Values[c]	Response options	Frequency Distributions[a] UNH Manchester Count	Frequency Distributions[a] UNH Manchester %	All 2022 module ppts Count	All 2022 module ppts %	Statistical Comparisons[b] UNH Manchester Mean	All 2022 module ppts Mean	Effect size[d]
	EOL08	1	Poor	2	7	215	3	2.8	3.2 *	-.46
		2	Fair	7	23	1,141	14			
		3	Good	15	50	3,477	44			
		4	Excellent	6	20	3,064	39			
			Total	30	100	7,897	100			

NSSE 2022 Experiences with Online Learning
Detailed Statistics[e]
University of New Hampshire at Manchester

First-Year Students

Variable name	N	Mean		Standard error[f]		Standard deviation[g]		DF[h]	Sig.[i]	Effect size[d]
	UNH Manchester	UNH Manchester	All 2022 module ppts	UNH Manchester	All 2022 module ppts	UNH Manchester	All 2022 module ppts	Comparisons with: All 2022 module ppts		
EOL01a	4	3.50	3.05	.500	.015	1.00	0.92	3,679	.332	.49
EOL01b	4	3.50	3.03	.500	.016	1.00	0.96	3,644	.325	.49
EOL01c	4	3.50	3.20	.500	.015	1.00	0.89	3,660	.505	.33
EOL01d	4	3.75	3.10	.250	.015	0.50	0.91	3,656	.152	.72
EOL01e	4	3.50	2.99	.500	.016	1.00	0.97	3,662	.297	.52
EOL01f	4	3.50	2.97	.500	.016	1.00	0.98	3,652	.277	.54
EOL01g	4	3.75	2.93	.250	.017	0.50	1.03	3,654	.111	.80
EOL01h	4	3.75	3.16	.250	.015	0.50	0.89	3,648	.187	.66
EOL01i	4	3.75	3.18	.250	.015	0.50	0.88	3,645	.195	.65
EOL02a	4	3.50	2.33	.289	.017	0.58	1.02	3,636	.022	1.15
EOL02b	4	2.00	2.45	.707	.016	1.41	0.94	3,637	.334	-.48
EOL02c	4	2.50	2.18	.289	.016	0.58	0.95	3,636	.501	.34
EOL02d	4	2.75	1.97	.479	.015	0.96	0.90	3,637	.084	.87
EOL02e	4	3.50	2.15	.289	.016	0.58	0.96	3,626	.005	1.41
EOL02f	4	3.50	2.92	.289	.014	0.58	0.85	3,631	.177	.68
EOL02g	4	3.75	3.06	.250	.013	0.50	0.80	3,621	.088	.85
EOL02h	4	3.75	2.87	.250	.015	0.50	0.89	3,622	.048	.99
EOL02i	4	3.25	2.71	.479	.015	0.96	0.91	3,617	.230	.60
EOL03a	4	5.50	4.85	.289	.021	0.58	1.28	3,564	.310	.51
EOL03b	4	4.75	4.13	.479	.027	0.96	1.52	3,092	.418	.41
EOL03c	4	5.50	4.48	.289	.027	0.58	1.52	3,227	.181	.67
EOL03d	4	5.00	4.45	.707	.024	1.41	1.40	3,499	.428	.40
EOL03e	4	5.00	4.56	.707	.023	1.41	1.36	3,519	.514	.33
EOL03f	4	4.25	4.15	1.109	.027	2.22	1.53	3,206	.896	.07
EOL03g	4	5.00	4.56	.707	.023	1.41	1.39	3,512	.526	.32
EOL04a	4	2.00	2.60	.577	.015	1.15	0.92	3,584	.192	-.65
EOL04b	4	2.50	2.99	.289	.014	0.58	0.82	3,579	.227	-.61
EOL04c	4	3.50	3.13	.500	.014	1.00	0.83	3,580	.368	.45
EOL04d	4	2.75	2.99	.629	.014	1.26	0.86	3,581	.574	-.28
EOL04e	4	3.00	2.90	.408	.015	0.82	0.88	3,575	.813	.12
EOL06a	4	3.75	3.23	.250	.012	0.50	0.72	3,467	.147	.73
EOL06b	4	4.00	3.31	.000	.011	0.00	0.65	3,474	.000	1.07
EOL06c	4	3.50	3.18	.289	.012	0.58	0.70	3,480	.358	.46
EOL06d	4	3.25	3.19	.250	.011	0.50	0.65	3,480	.857	.09
EOL06e	4	3.50	3.27	.289	.011	0.58	0.63	3,476	.477	.36
EOL08	4	3.75	3.10	.250	.014	0.50	0.80	3,490	.102	.82

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

NSSE 2022 TOPICAL MODULE REPORT • 15

Seniors

Variable name	N	Mean		Standard error[f]		Standard deviation[g]		DF[h]	Sig.[i]	Effect size[d]
	UNH Manchester	UNH Manchester	All 2022 module ppts	UNH Manchester	All 2022 module ppts	UNH Manchester	All 2022 module ppts	Comparisons with: All 2022 module ppts		
EOL01a	32	3.06	3.23	.148	.010	0.84	0.86	8,211	.281	-.19
EOL01b	32	3.03	3.17	.159	.010	0.90	0.89	8,164	.379	-.16
EOL01c	32	3.09	3.33	.151	.009	0.86	0.81	8,206	.095	-.30
EOL01d	31	2.97	3.19	.170	.010	0.95	0.87	8,188	.153	-.26
EOL01e	32	2.81	3.13	.188	.010	1.06	0.92	8,194	.052	-.34
EOL01f	32	2.81	3.09	.176	.011	1.00	0.95	8,195	.095	-.30
EOL01g	32	2.66	3.10	.188	.011	1.07	0.96	8,177	.009	-.46
EOL01h	31	3.00	3.26	.167	.009	0.93	0.86	8,188	.097	-.30
EOL01i	32	3.13	3.25	.166	.010	0.94	0.86	8,170	.395	-.15
EOL02a	32	2.88	2.53	.140	.011	0.79	0.96	31	.019	.36
EOL02b	32	2.34	2.56	.183	.010	1.04	0.90	8,151	.168	-.24
EOL02c	32	2.19	2.24	.165	.010	0.93	0.93	8,156	.737	-.06
EOL02d	32	2.16	2.41	.150	.010	0.85	0.91	31	.102	-.28
EOL02e	32	2.66	2.46	.146	.010	0.83	0.95	8,151	.230	.21
EOL02f	32	2.78	2.99	.133	.009	0.75	0.84	8,139	.158	-.25
EOL02g	32	3.00	3.18	.142	.009	0.80	0.77	8,146	.181	-.24
EOL02h	32	2.88	2.97	.147	.010	0.83	0.86	8,128	.532	-.11
EOL02i	32	2.81	2.88	.158	.010	0.90	0.88	8,126	.687	-.07
EOL03a	30	4.40	5.10	.243	.014	1.33	1.25	7,951	.002	-.56
EOL03b	31	4.23	4.57	.265	.017	1.48	1.44	7,240	.185	-.24
EOL03c	24	4.13	4.30	.347	.021	1.70	1.73	7,117	.618	-.10
EOL03d	31	4.26	4.81	.232	.015	1.29	1.32	7,940	.021	-.42
EOL03e	30	4.60	4.86	.233	.014	1.28	1.28	7,965	.265	-.20
EOL03f	25	4.04	4.31	.313	.019	1.57	1.58	6,676	.398	-.17
EOL03g	31	4.35	4.80	.256	.015	1.43	1.34	7,922	.067	-.33
EOL04a	30	2.67	2.64	.182	.011	0.99	0.96	8,059	.886	.03
EOL04b	30	2.83	3.07	.160	.009	0.87	0.84	8,053	.124	-.28
EOL04c	30	2.77	3.20	.171	.009	0.94	0.83	8,052	.004	-.53
EOL04d	30	2.83	3.04	.167	.010	0.91	0.89	8,049	.212	-.23
EOL04e	30	2.73	2.93	.179	.010	0.98	0.91	8,044	.241	-.21
EOL06a	30	3.20	3.33	.130	.008	0.71	0.67	7,866	.283	-.20
EOL06b	30	3.23	3.38	.124	.007	0.68	0.64	7,901	.199	-.24
EOL06c	30	3.07	3.19	.135	.008	0.74	0.75	7,901	.380	-.16
EOL06d	31	2.87	3.22	.137	.008	0.76	0.67	7,902	.004	-.52
EOL06e	31	2.94	3.32	.139	.007	0.77	0.63	7,877	.001	-.62
EOL08	30	2.83	3.19	.152	.009	0.83	0.78	7,925	.013	-.46

Endnotes

a. Due to nonstandard sampling or response issues, all counts and percentages are unweighted. Percentages may not sum to 100 due to rounding.

b. Due to nonstandard sampling or response issues, all statistics are unweighted. 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. Due to nonstandard sampling or response issues, all statistics are unweighted. 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 Ns due to 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. You may not see all of these symbols in your report.