

Topical modules are short sets of questions on a topic related to current issues in higher education and student engagement that may be appended to the core survey. The Learning with Technology topical module, developed in partnership with EDUCAUSE, examines the role of technology in student learning; focusing on student use of technology, the extent to which institutional support is valued, and communication. The module complements questions on the core FSSE survey about emphasis on learning with peers, perceptions of students' interactions with others, and the importance of technology in academic support.

The institutions and respondents participating in a given module are only a subset of all FSSE participating institutions and respondents. The table below^a displays the characteristics for module participants alongside FSSE 2017 participants as well as all bachelor's-granting U.S. institutions (all limited to the indicated Carnegie Classification categories).

	Institutions (n=9)		
	Learning with Tech. Module (%)	FSSE 2017 (%)	U.S. ^b (%)
Carnegie Basic Classification^c			
Doctoral Universities (Highest Research Activity)	0	3	7
Doctoral Universities (Higher Research Activity)	22	8	6
Doctoral Universities (Moderate Research Activity)	0	12	7
Master's Colleges and Universities (larger programs)	22	27	24
Master's Colleges and Universities (medium programs)	22	13	13
Master's Colleges and Universities (smaller programs)	0	8	9
Baccalaureate Colleges—Arts & Sciences Focus	0	12	15
Baccalaureate Colleges—Diverse Fields	33	16	19
Control			
Public	44	52	35
Private	56	48	65
Undergraduate enrollment			
Fewer than 1,000	11	16	21
1,000 – 2,499	33	25	33
2,500 – 4,999	11	16	17
5,000 – 9,999	44	24	14
10,000 or more	0	12	9

a. All percentages are unweighted and based on U.S. postsecondary institutions that award bachelor's degrees and belong to one of the Carnegie classifications in this table. Totals may not sum to 100% due to rounding.

b. U.S. percentages are based on the 2015 IPEDS Institutional Characteristics data.

c. For information on the Carnegie Foundation's Basic Classification, see carnegieclassifications.iu.edu.

FSSE 2017 Aggregated Frequencies

Topical Module Frequencies by Division

Learning With Technology

	Var. Name	Response Options	Lower Division		Upper Division		Total	
			Count	%	Count	%	Count	%
1. During the current school year, to what extent has your incorporation of technology into teaching and assignments contributed to the following?								
a. Students understanding course materials and ideas	fTEC01a	Very little	12	3	19	4	31	4
		Some	63	17	74	14	137	16
		Quite a bit	102	28	144	28	246	28
		Very much	186	51	283	54	469	53
		Total	363	100	520	100	883	100
b. Students demonstrating their understanding of course content	fTEC01b	Very little	24	7	33	6	57	7
		Some	75	21	88	17	163	19
		Quite a bit	100	28	136	27	236	27
		Very much	160	45	255	50	415	48
		Total	359	100	512	100	871	100
c. Students learning, studying, or completing coursework on their own	fTEC01c	Very little	21	6	30	6	51	6
		Some	67	19	89	17	156	18
		Quite a bit	119	33	142	27	261	30
		Very much	155	43	257	50	412	47
		Total	362	100	518	100	880	100
d. Students learning, studying, or completing coursework with other students	fTEC01d	Very little	58	16	84	16	142	16
		Some	110	31	134	26	244	28
		Quite a bit	90	25	122	24	212	24
		Very much	98	28	175	34	273	31
		Total	356	100	515	100	871	100
e. Distracting students from completing their coursework	fTEC01e	Very little	165	46	261	51	426	49
		Some	86	24	120	23	206	24
		Quite a bit	49	14	55	11	104	12
		Very much	58	16	75	15	133	15
		Total	358	100	511	100	869	100
2. During the current school year, to what extent do you believe your teaching has improved your students' understanding and use of technology?								
	fTEC02	Very little	43	12	68	13	111	13
		Some	130	36	179	34	309	35
		Quite a bit	118	33	160	31	278	31
		Very much	70	19	115	22	185	21
		Total	361	100	522	100	883	100
3. During the current school year, about how often have students used the following technologies in your courses?								
a. Electronic textbooks	fTEC03a	Never	72	20	115	22	187	21
		Sometimes	92	26	158	30	250	28
		Often	71	20	103	20	174	20
		Very often	124	35	146	28	270	31
		Total	359	100	522	100	881	100
b. Online portfolios or e-portfolios	fTEC03b	Never	217	62	289	57	506	59
		Sometimes	57	16	116	23	173	20
		Often	38	11	51	10	89	10
		Very often	40	11	55	11	95	11
		Total	352	100	511	100	863	100
c. Blogs	fTEC03c	Never	210	62	317	63	527	63
		Sometimes	73	22	119	24	192	23
		Often	27	8	40	8	67	8
		Very often	28	8	28	6	56	7
		Total	338	100	504	100	842	100

FSSE 2017 Aggregated Frequencies

Topical Module Frequencies by Division

Learning With Technology

	Var. Name	Response Options	Lower Division		Upper Division		Total	
			Count	%	Count	%	Count	%
d. Collaborative editing software (Wikis, Google Docs, etc.)	fTEC03d	Never	148	43	204	39	352	41
		Sometimes	101	29	169	33	270	31
		Often	56	16	74	14	130	15
		Very often	39	11	71	14	110	13
		Total	344	100	518	100	862	100
e. Multimedia software (drawing, audio or video production, editing, etc.)	fTEC03e	Never	170	48	229	44	399	46
		Sometimes	81	23	139	27	220	25
		Often	48	14	71	14	119	14
		Very often	52	15	78	15	130	15
		Total	351	100	517	100	868	100
f. Social networking (Facebook, Twitter, etc.)	fTEC03f	Never	221	64	296	59	517	61
		Sometimes	77	22	129	26	206	24
		Often	29	8	43	9	72	8
		Very often	18	5	37	7	55	6
		Total	345	100	505	100	850	100
g. Mobile computing (handheld devices such as smartphones, tablets, etc.)	fTEC03g	Never	64	18	108	21	172	20
		Sometimes	120	34	143	28	263	30
		Often	67	19	119	23	186	21
		Very often	100	28	149	29	249	29
		Total	351	100	519	100	870	100
4. During the current school year, about how often have you used technology to communicate with the following people?								
a. Students enrolled in your courses	fTEC04a	Never	2	1	0	0	2	0
		Sometimes	15	4	20	4	35	4
		Often	60	17	69	13	129	15
		Very often	280	78	435	83	715	81
		Total	357	100	524	100	881	100
b. Students not enrolled in your courses (advisees, mentees)	fTEC04b	Never	88	25	97	19	185	21
		Sometimes	87	25	114	22	201	23
		Often	63	18	122	24	185	21
		Very often	112	32	181	35	293	34
		Total	350	100	514	100	864	100
c. Students not enrolled at your institution (applicants, prospective students)	fTEC04c	Never	189	53	207	41	396	46
		Sometimes	100	28	169	33	269	31
		Often	30	8	59	12	89	10
		Very often	35	10	76	15	111	13
		Total	354	100	511	100	865	100
d. Teaching and learning center personnel	fTEC04d	Never	73	21	112	22	185	21
		Sometimes	134	38	203	39	337	39
		Often	69	20	93	18	162	19
		Very often	73	21	107	21	180	21
		Total	349	100	515	100	864	100
e. Faculty at your institution	fTEC04e	Never	8	2	4	1	12	1
		Sometimes	60	17	76	15	136	15
		Often	99	28	147	28	246	28
		Very often	189	53	296	57	485	55
		Total	356	100	523	100	879	100
f. Faculty at other institutions	fTEC04f	Never	95	27	81	16	176	21
		Sometimes	106	31	196	39	302	35
		Often	76	22	100	20	176	21
		Very often	70	20	132	26	202	24
		Total	347	100	509	100	856	100

FSSE 2017 Aggregated Frequencies

Topical Module Frequencies by Division

Learning With Technology

	<i>Var. Name</i>	<i>Response Options</i>	Lower Division		Upper Division		Total	
			<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>
g. Student services staff (career services, student activities, housing, etc.)	fTEC04g	Never	69	20	118	23	187	22
		Sometimes	160	46	222	43	382	44
		Often	67	19	79	15	146	17
		Very often	54	15	98	19	152	18
		Total	350	100	517	100	867	100
h. Other administrative staff and offices (registrar, financial aid, etc.)	fTEC04h	Never	29	8	57	11	86	10
		Sometimes	173	49	236	46	409	47
		Often	89	25	108	21	197	23
		Very often	65	18	116	22	181	21
		Total	356	100	517	100	873	100
5. How important are the following to you?								
a. To teach with new, cutting-edge technologies	fTEC05a	Not important	38	11	53	10	91	10
		Somewhat important	95	27	119	23	214	24
		Important	117	33	166	32	283	32
		Very important	107	30	186	35	293	33
		Total	357	100	524	100	881	100
b. To provide students with technology to learn, study, or complete coursework	fTEC05b	Not important	13	4	24	5	37	4
		Somewhat important	67	19	74	14	141	16
		Important	142	40	195	37	337	38
		Very important	134	38	230	44	364	41
		Total	356	100	523	100	879	100
c. To teach students how to use available technologies to learn, study, or complete coursework	fTEC05c	Not important	16	5	22	4	38	4
		Somewhat important	64	18	95	18	159	18
		Important	129	36	180	34	309	35
		Very important	146	41	227	43	373	42
		Total	355	100	524	100	879	100
d. That additional technology be made available for you to teach course material and concepts	fTEC05d	Not important	34	10	34	7	68	8
		Somewhat important	84	24	122	23	206	24
		Important	118	33	164	31	282	32
		Very important	117	33	203	39	320	37
		Total	353	100	523	100	876	100
e. That additional support services be made available to assist you in the use of technology	fTEC05e	Not important	26	7	36	7	62	7
		Somewhat important	81	23	95	18	176	20
		Important	120	34	179	34	299	34
		Very important	125	36	214	41	339	39
		Total	352	100	524	100	876	100
f. That additional support services be made available to assist students with their use of technology	fTEC05f	Not important	12	3	18	3	30	3
		Somewhat important	66	19	91	17	157	18
		Important	137	38	182	35	319	36
		Very important	141	40	230	44	371	42
		Total	356	100	521	100	877	100