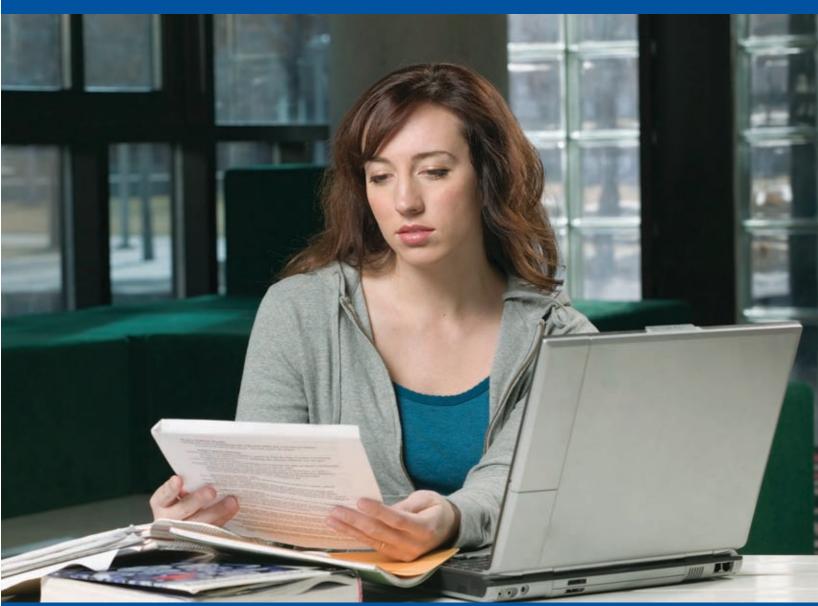


# Distance Education at Degree-Granting Postsecondary Institutions: 2006–07

First Look



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**First Look** 

December 2008

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# **First Look Summary**

#### Introduction

This report provides national estimates on distance education at degree-granting postsecondary institutions in the 2006–07 academic year. The survey is the fourth of its kind undertaken by the National Center for Education Statistics (NCES); the first survey was conducted in 1995, the second in 1998, and the third in 2002. For the 2006–07 study, distance education was defined as a formal education process in which the student and instructor are not in the same place. Thus, instruction may be synchronous or asynchronous, and it may involve communication through the use of video, audio, or computer technologies, or by correspondence (which may include both written correspondence and the use of technology such as CD-ROM). While this report covers many of the topics in the previous reports, the data are not comparable. The definition of distance education in the 2006–07 study reflected two major changes from earlier studies. First, the definition no longer included a criterion for instructional delivery to off-campus or remote locations because online courses could be accessed on campus at a convenient time and place (e.g., between classes and in a computer lab). Second, the definition included correspondence courses and distance education courses that were designated by institutions as hybrid/blended online courses.

The questionnaire instructed institutions to include distance education courses and programs that were formally designated as online, hybrid/blended online, and other distance education courses and programs. Institutions may have varied in the proportion of online instruction required for a course to be considered an online course or a hybrid/blended online course. For example, some institutions considered online courses as courses in which 100 percent of the instruction was delivered online, while others used various percentage cutoffs such as 80 percent, 70 percent, and 50 percent of online instruction. Hybrid/blended online courses were defined as a combination of online and in-class instruction with **reduced in-class seat time** for students. Thus, web-enhanced courses that did not result in reduced seat time (i.e., class time) were not intended to be included in the counts of hybrid/blended online courses.

The 2006–07 study on distance education collected information on the prevalence, types, delivery, policies, and acquisition or development of distance education courses and programs. Specifically, the survey covered the following:

- Whether institutions offered various types of distance education courses, and enrollment in those courses, including online, hybrid/blended online, and other distance education courses;
- Number and types of degree or certificate programs designed to be completed totally through distance education;
- Technologies used for the instructional delivery of distance education courses;
- Factors affecting institutions' decisions about distance education;

<sup>&</sup>lt;sup>2</sup> Synchronous Internet-based technologies refer to simultaneous or "real-time" computer-based instruction, while asynchronous Internet-based technologies are used for courses that are not based on simultaneous computer-based instruction.



<sup>&</sup>lt;sup>1</sup> The term *distance education* has been used interchangeably with *distance learning* in the literature.

- Distance education offerings for elementary or secondary students; and
- Ways in which institutions acquired or developed their distance education courses.

The survey was conducted for NCES in fall 2007 using the Postsecondary Education Quick Information System (PEQIS). PEQIS is a survey system designed to collect small amounts of issue-oriented data from a previously recruited, nationally representative sample of institutions with minimal burden on respondents and within a relatively short period of time. Questionnaires were mailed to approximately 1,600 Title IV eligible, degree-granting postsecondary institutions in the 50 states and the District of Columbia. The unweighted survey response rate was 90 percent, and the weighted response rate was 87 percent. Data were adjusted for questionnaire nonresponse and weighted to yield national estimates that represent the estimated 4,200 Title IV degree-granting postsecondary institutions in the United States.

Because the purpose of this report is to introduce new NCES data through the presentation of tables containing descriptive information, only selected findings are presented. These findings have been chosen to demonstrate the range of information available from the PEQIS study rather than to discuss all of the observed differences; they are not meant to emphasize any particular issue. The findings are based on self-reported data from postsecondary institutions. Some of the survey responses (e.g., small, moderate, and large extent) were not defined for respondents.

All specific statements of comparisons made in the bullets have been tested for statistical significance at the .05 level using Student's *t*-statistics to ensure that the differences are larger than those that might be expected due to sampling variation. Adjustments for multiple comparisons were not included. Many of the variables examined are related to one another, and complex interactions and relationships have not been explored. Tables of standard error estimates are provided in appendix A. Detailed information about the survey methodology is provided in appendix B, and the questionnaire can be found in appendix C.

## **Selected Findings**

This section presents key findings on distance education at Title IV degree-granting postsecondary institutions.

- During the 2006–07 academic year, two-thirds (66 percent) of 2-year and 4-year Title IV degree-granting postsecondary institutions reported offering online, hybrid/blended online, or other distance education courses for any level or audience (table 1). Sixty-five percent of the institutions reported college-level credit-granting distance education courses, and 23 percent of the institutions reported noncredit distance education courses.
- Sixty-one percent of 2-year and 4-year institutions reported offering online courses, 35 percent reported hybrid/blended courses, and 26 percent reported other types of college-level credit-granting distance education courses in 2006–07 (table 2). Among institutions that offered online courses, 62 percent reported that 100 percent of the instruction in those courses must be online (table 3).

<sup>&</sup>lt;sup>3</sup> Institutions participating in Title IV federal student financial aid programs (such as Pell grants or Stafford loans) are accredited by an agency or organization recognized by the U.S. Department of Education, have a program of more than 300 clock hours or 8 credit hours, have been in business for at least 2 years, and have a signed Program Participation Agreement with the Office of Postsecondary Education (OPE), U.S. Department of Education. Degree-granting institutions are those that offer an associate's, bachelor's, master's, doctor's, or first-professional degree (Knapp et al. 2001).



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- In the 2006–07 academic year, 2-year and 4-year institutions reported an estimated 12.2 million enrollments (or registrations) in college-level credit-granting distance education courses (table 4). Of these distance education enrollments, 77 percent were reported in online courses, 12 percent were reported in hybrid/blended online courses, and 10 percent were reported in other types of distance education courses (table 5).
- Thirty-two percent of all 2-year and 4-year institutions reported offering college-level degree or certificate programs that were designed to be completed totally through distance education in 2006–07 (table 6). Twenty-nine percent of 2-year and 4-year institutions reported degree programs and 17 percent reported certificate programs that were designed to be completed totally through distance education.
- Of the estimated 11,200 college-level programs that were designed to be completed totally through distance education in 2006–07, 66 percent were reported as degree programs while the remaining 34 percent were reported as certificate programs (table 7).
- Twelve percent of all 2-year and 4-year institutions reported offering academic distance education courses for elementary or secondary students in 2006–07 (table 8). Of these institutions, 38 percent reported Advanced Placement or International Baccalaureate courses, 65 percent reported other academic high school courses, and 3 percent reported academic courses specifically for elementary or middle school students.
- Asynchronous (not simultaneous or real-time) Internet-based technologies were cited as the most widely used technology for the instructional delivery of distance education courses; they were used to a large extent in 75 percent and to a moderate extent in 17 percent of the institutions that offered college-level credit-granting distance education courses (table 10). The proportion of institutions that reported using various other types of technologies or media to a moderate or large extent ranged from 4 percent for other technologies to 31 percent for synchronous (simultaneous or real-time) Internet-based technologies (table 11).
- The most common factors cited as affecting distance education decisions to a major extent were meeting student demand for flexible schedules (68 percent), providing access to college for students who would otherwise not have access (67 percent), making more courses available (46 percent), and seeking to increase student enrollment (45 percent) (table 12). These same factors were rated as affecting distance education decisions to a moderate or major extent in 82 percent to 92 percent of the 2-year and 4-year institutions that offered college-level credit-granting distance education courses (table 13). The proportion of institutions that rated various other factors as affecting distance education to a moderate or major extent ranged from 6 percent for "other factors" to 63 percent for maximizing the use of existing college facilities.
- Most 2-year and 4-year institutions that reported offering credit-granting distance education courses indicated that their institutions developed the distance education courses (94 percent) (table 14). Among institutions that reported offering noncredit distance education courses, 64 percent indicated that they developed their noncredit distance education courses, and 62 percent reported that they acquired the courses from a commercial vendor.



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Table 1. Total number of 2-year and 4-year Title IV degree-granting postsecondary institutions, and percent that offered distance education courses, by course type, institutional type, and institution size: 2006–07

		Percent offered	Percent offe	red college-level cre	edit-granting online	
		any online,	hybrid/blended on	Percent		
		hybrid/blended	,	,		offered
		online, or other				noncredit
	Total	distance			Graduate/	distance
	number of	education	Courses at	Undergraduate	first-professional	education
Institutional type and size	institutions	courses1	either level <sup>1</sup>	courses <sup>2</sup>	courses <sup>3</sup>	courses1
		•				
All institutions	4,200	66	65	66	60	23
Institutional type						
Public 2-year	1,000	97	97	97	†	50
Private for-profit 2-year	500	18	16	16	†	‡
Public 4-year	600	89	88	87	82	42
Private not-for-profit 4-year	1,500	53	53	51	46	10
Private for-profit 4-year	300	70	70	70	‡	2
Size of institution						
Less than 3,000	2,700	51	51	51	44	11
3,000 to 9,999	900	91	91	88	77	42
10,000 or more	500	97	96	93	90	53

<sup>†</sup> Not applicable. Two-year institutions do not offer graduate degrees, although they sometimes offer individual graduate courses.

NOTE: Data for private not-for-profit 2-year institutions are not reported in a separate category because too few private not-for-profit 2-year institutions in the sample offered distance education courses in 2006–07 to make reliable estimates (unweighted N=15, weighted N=113). Data for these private not-for-profit 2-year institutions are included in the totals and in analyses by other institutional characteristics. Institutions may offer both undergraduate and graduate/first-professional courses. Although 2-year institutions do not offer graduate degrees, they sometimes offer individual graduate courses. Detail for the number of institutions may not sum to totals because of rounding.



<sup>‡</sup> Reporting standards not met.

<sup>&</sup>lt;sup>1</sup>Based on the estimated 4,160 2-year and 4-year Title IV degree-granting postsecondary institutions in the nation.

<sup>&</sup>lt;sup>2</sup>Based on the estimated 3,890 institutions that had undergraduate programs in 2006–07.

<sup>&</sup>lt;sup>3</sup>Based on the estimated 1,810 institutions that had graduate or first-professional programs in 2006–07.

Table 2. Percent of 2-year and 4-year Title IV degree-granting postsecondary institutions offering online, hybrid/blended online, and other types of college-level credit-granting distance education courses, by course type, institutional type, and institution size: 2006–07

	Online courses			Hybrid/b	lended onlin	e courses	Other distance education courses		
			Graduate/			Graduate/			Graduate/
	Courses	Under-	first-pro-	Courses	Under-	first-pro-	Courses	Under-	first-pro-
	at either	graduate	fessional	at either	graduate	fessional	at either	graduate	fessional
Institutional type and size	level1	courses <sup>2</sup>	courses <sup>3</sup>	level1	courses <sup>2</sup>	courses <sup>3</sup>	level1	courses <sup>2</sup>	courses <sup>3</sup>
All institutions	61	62	52	35	34	27	26	25	20
Institutional type									
Public 2-year	96	96	†	66	66	†	51	50	†
Private for-profit 2-year	15	15	†	4	4	†	‡	‡	†
Public 4-year	86	86	80	49	48	36	46	44	35
Private not-for-profit 4-year	48	47	41	23	20	19	11	9	9
Private for-profit 4-year	52	52	‡	24	24	‡	20	20	‡
Size of institution									
Less than 3,000	46	46	34	22	21	20	14	15	12
3,000 to 9,999	89	86	71	58	55	34	43	40	24
10,000 or more	95	91	88	64	61	42	55	50	41

<sup>†</sup> Not applicable. Two-year institutions do not offer graduate degrees, although they sometimes offer individual graduate courses.

NOTE: Data for private not-for-profit 2-year institutions are not reported in a separate category because too few private not-for-profit 2-year institutions in the sample offered distance education courses in 2006–07 to make reliable estimates. Data for these private not-for-profit 2-year institutions are included in the totals and in analyses by other institutional characteristics. Institutions may offer both undergraduate and graduate/first-professional courses. Although 2-year institutions do not offer graduate degrees, they sometimes offer individual graduate courses. SOURCE: U.S. Department of Education, National Center for Education Statistics, Postsecondary Education Quick Information System (PEQIS), "Distance Education at Postsecondary Institutions," 2007.



<sup>‡</sup> Reporting standards not met.

<sup>&</sup>lt;sup>1</sup>Based on the estimated 4,160 2-year and 4-year Title IV degree-granting postsecondary institutions in the nation.

<sup>&</sup>lt;sup>2</sup>Based on the estimated 3,890 institutions that had undergraduate programs in 2006–07.

<sup>&</sup>lt;sup>3</sup>Based on the estimated 1,810 institutions that had graduate or first-professional programs in 2006–07.

Table 3. Percentage distribution of 2-year and 4-year Title IV degree-granting postsecondary institutions offering distance education that reported the minimum amount of online instruction or other criteria required to formally designate courses as online, by institutional type and institution size: 2006–07

	Minim	um percent of on	Some other	No standard		
		designate cour	ses as online		criterion is used	criterion is used
		80 to	50 to	25 to	to designate	to designate
Institutional type and size	100 percent	99 percent	79 percent	49 percent	online courses	online courses
All institutions	62	12	8	6	4	7
Institutional type						
Public 2-year	63	12	11	5	5	4
Public 4-year	48	16	11	12	5	6
Private not-for-profit 4-year	71	11	5	4	3	4
Size of institution						
Less than 3,000	68	10	5	4	3	10
3,000 to 9,999	60	15	9	5	5	4
10,000 or more	49	11	16	12	6	4

NOTE: Percentages are based on estimated 2,550 institutions that offered online courses in 2006–07. Data for private not-for-profit 2-year and for-profit 2-year and 4-year institutions are not reported in separate categories because too few of these institutions in the sample offered distance education courses in 2006–07 to make reliable estimates. Data for these institutions are included in the totals and in analyses by other institutional characteristics. Detail may not sum to totals because of rounding.



Table 4. Total number of enrollments in college-level credit-granting distance education courses at 2-year and 4-year Title IV degree-granting postsecondary institutions, by course type, institutional type, and institution size: 2006–07

			1			
		Total number of	Enrollments in co	llege-level credit-		
	Total number of enrollments in		granting online, hybrid/blended			
	institutions that	college-level	online, or other d	istance education		
	offered any college-level	credit-granting online,	courses	at the:1		
	credit-granting online,	hybrid/blended online,		Graduate/first-		
	hybrid/blended online, or other	or other distance	Undergraduate	professional		
Institutional type and size	distance education courses	education courses <sup>1</sup>	level	level		
All institutions	2,720	12,153,000	9,803,000	2,349,900		
Institutional type						
Public 2-year	1,020	4,844,000	4,840,000	3,700		
Private not-for-profit 2-year	30	11,000	11,000	†		
Private for-profit 2-year	80	72,000	72,000	†		
Public 4-year	560	3,502,000	2,611,000	890,900		
Private not-for-profit 4-year	790	1,854,000	1,124,000	730,400		
Private for-profit 4-year	240	1,869,000	1,144,000	724,800		
Size of institution						
Less than 3,000	1,390	2,122,000	1,591,000	531,000		
3,000 to 9,999	870	3,772,000	3,274,000	497,700		
10,000 or more	470	6,259,000	4,938,000	1,321,000		

<sup>†</sup> Not applicable. Two-year institutions do not offer graduate degrees, although they sometimes offer individual graduate courses.



<sup>&</sup>lt;sup>1</sup> Enrollments include duplicated counts because they refer to the number of registrations.

NOTE: Detail may not sum to totals because of rounding.

Table 5. Total enrollments in online, hybrid/blended online, and other types of college-level credit-granting distance education courses at 2-year and 4-year Title IV degree-granting postsecondary institutions, and percent of total distance education enrollments, by course level, institutional type, and institution size: 2006–07

	Total			Perce	ent of total d	istance educ	ation enrolln	nents				
	enrollments in college-level	Onl	ine enrollme	ents	ts Hybrid/blended online enrollments				Other distance education enrollments			
	credit-granting online,											
	hybrid/blended											
	online, or other			Graduate/			Graduate/			Graduate/		
	distance	Courses	Under-	first-pro-	Courses	Under-	first-pro-	Courses	Under-	first-pro-		
Institutional type	education	at either	graduate	fessional	at either	graduate	fessional	at either	graduate	fessional		
and size	courses	level	courses	courses	level	courses	courses	level	courses	courses		
All institutions	12,153,000	77	63	14	12	9	3	10	8	2		
Institutional type												
Public 2-year	4,844,000	80	80	†	10	10	†	9	9	†		
Private not-for-												
profit 2-year	11,000	$100^{1}$	$100^{1}$	†	#	#	†	#	#	†		
Private for-profit	<b>50</b> 000	0.6	0.6		2				.,			
2-year	,	96	96	1	3	3	'	#	#	1		
Public 4-year Private not-for-	3,502,000	70	54	17	15	11	4	15	11	4		
profit 4-year	1,854,000	74	46	28	13	8	5	13	7	6		
Private for-profit	1,03 1,000	, ,	10	20	13	Ü	3	15	,	Ü		
4-year	1,869,000	87	56	31	12	4	7	1	1	1		
Size of institution												
Less than 3,000	2,122,000	73	58	14	19	10	9	9	7	2		
3,000 to 9,999	3,772,000	74	66	8	12	11	2	13	10	3		
10,000 or more	6,259,000	81	63	17	10	8	2	10	7	2		

<sup>†</sup> Not applicable. Two-year institutions do not offer graduate degrees, although they sometimes offer individual graduate courses.

NOTE: Enrollments include duplicated counts because they refer to the number of registrations. Percentages are based on the total number of enrollments in that row. Detail may not sum to totals because of rounding.



<sup>#</sup> Rounds to zero.

<sup>&</sup>lt;sup>1</sup> Rounds to 100 percent.

Table 6. Percent of all 2-year and 4-year Title IV degree-granting postsecondary institutions offering any college-level credit-granting distance education courses, and percent that had college-level degree or certificate programs designed to be completed totally through distance education, by program level, institutional type, and institution size: 2006–07

	Offered any			Program to be completed through distance education							
	college-level	Offered any	college-level	Program type							
	credit-	degree or	certificate								
	granting	prog	rams	D	egree progran	ıs	Cer	tificate progra	ıms		
	online,										
	hybrid/		Institutions								
	blended		with								
	online, or		college-level			Graduate/			Graduate/		
	other		credit-		Under-	first-		Under-	first-		
	distance		granting	Degree	graduate	professional	Certificate	graduate	professional		
Institutional type and	education	All	distance	programs at	degree	degree	programs at	certificate	certificate		
size	courses 1	institutions1	education <sup>2</sup>	either level1	programs <sup>3</sup>	programs <sup>4</sup>	either level1	programs <sup>3</sup>	programs <sup>4</sup>		
All institutions	65	32	49	29	25	31	17	13	18		
Institutional type											
Public 2-year	97	45	46	39	39	†	28	28	†		
Private for-profit											
2-year		7	‡	7	7	†	‡	‡	†		
Public 4-year Private not-for-	88	58	66	54	40	52	35	19	31		
profit 4-year Private for-profit	53	24	45	21	16	21	13	7	12		
4-year	70	27	38	27	27	‡	1	‡	‡		
Size of institution											
Less than 3,000	51	19	38	17	16	16	9	7	8		
3,000 to 9,999	91	49	54	46	39	40	27	21	20		
10,000 or more	96	67	70	63	47	70	47	30	47		

<sup>†</sup> Not applicable. Two-year institutions do not offer graduate degrees, although they sometimes offer individual graduate courses.

NOTE: Data for private not-for-profit 2-year institutions are not reported in a separate category because too few private not-for-profit 2-year institutions in the sample offered distance education courses in 2006–07 to make reliable estimates. Data for these private 2-year institutions are included in the totals and in analyses by other institutional characteristics.



<sup>‡</sup> Reporting standards not met.

<sup>&</sup>lt;sup>1</sup>Based on the estimated 4,160 2-year and 4-year Title IV degree-granting postsecondary institutions in the nation.

<sup>&</sup>lt;sup>2</sup>Based on the estimated 2,720 institutions that offered any college-level credit-granting distance education courses in 2006–07.

<sup>&</sup>lt;sup>3</sup>Based on the estimated 3,890 institutions that had undergraduate programs in 2006–07.

<sup>&</sup>lt;sup>4</sup>Based on the estimated 1,810 institutions that had graduate or first-professional programs in 2006–07.

Table 7. Total number of college-level degree or certificate programs designed to be completed totally through distance education at 2-year and 4-year Title IV degree-granting postsecondary institutions, and percent of total distance education programs, by program type, program level, institutional type, and institution size: 2006–07

	Total	Percent of total distance education programs								
	number of	I	Degree programs		Ce	ns				
	programs									
	designed to									
	be completed			Graduate/			Graduate/			
	entirely		Under-	first-		Under-	first-			
	through	Degree	graduate	professional	Certificate	graduate	professional			
	distance	programs at	degree	degree	programs at	certificate	certificate			
Institutional type and size	education	either level	programs	programs	either level	programs	programs			
All institutions	11,240	66	41	25	34	22	12			
Institutional type										
Public 2-year	3,590	50	49	†	50	50	†			
Private not-for-profit 2-year	70	100	100	†	#	#	†			
Private for-profit 2-year	90	65!	65	†	35!	35	†			
Public 4-year	3,550	69	29	40	31	10	21			
Private not-for-profit 4-year	3,230	72	38	34	28	8	20			
Private for-profit 4-year	710	99	64	35	1!	#	1			
Size of institution										
Less than 3,000	2,960	71	52	20	29	23	6			
3,000 to 9,999	4,080	64	44	19	36	25	11			
10,000 or more	4,210	64	30	34	35	18	19			

<sup>†</sup> Not applicable. Two-year institutions do not offer graduate degree or certificate programs, although they sometimes offer individual graduate courses.



<sup>#</sup> Rounds to zero.

<sup>!</sup> Interpret data with caution; the coefficient of variation is greater than 50 percent.

NOTE: Detail may not sum to totals because of rounding or because too few cases were reported for a reliable estimate for private 2-year institutions

Table 8. Percent of 2-year and 4-year Title IV degree-granting postsecondary institutions offering any academic distance education courses for elementary or secondary students, by course type, institutional type, and institution size: 2006–07

	Offered any academic	distance education	Type of distance education course					
	courses for elementary	/secondary students	for elementary/secondary students <sup>1</sup>					
			Advanced					
		Institutions with	Placement or		Academic courses			
		any college-level	International	Other academic	for elementary or			
	All	credit-granting	Baccalaureate	high school	middle school			
Institutional type and size	institutions <sup>2</sup>	distance education <sup>3</sup>	courses	courses	students			
All institutions	12	19	38	65	3			
Institutional type								
Public 2-year	29	30	35	73	2			
Public 4-year	19	22	41	66	5			
Private not-for-profit 4-year	4	8	‡	‡	‡			
Private for-profit 4-year	4	6	#	#	#			
Size of institution								
Less than 3,000	8	16	38	57	‡			
3,000 to 9,999	19	21	37	72	‡			
10,000 or more	21	22	39	71	9			

<sup>#</sup> Rounds to zero.

NOTE: Data for private 2-year institutions are not reported in a separate category because too few private 2-year institutions in the sample offered distance education courses in 2006–07 to make reliable estimates. Data for private 2-year institutions are included in the totals and in analyses by other institutional characteristics.



<sup>‡</sup> Reporting standards not met.

<sup>&</sup>lt;sup>1</sup>Based on the estimated 510 institutions that offered distance education courses for elementary or secondary students in 2006–07.

<sup>&</sup>lt;sup>2</sup>Based on the estimated 4,160 2-year and 4-year Title IV degree-granting postsecondary institutions in the nation.

<sup>&</sup>lt;sup>3</sup>Based on the estimated 2,720 institutions that offered any college-level credit-granting distance education courses in 2006–07.

Table 9. Percentage distribution of 2-year and 4-year Title IV degree-granting postsecondary institutions that offered distance education reporting frequency of requests for accommodations for students with disabilities in distance education courses over the last 3 years, by institutional type and institution size: 2006–07

Institutional type and size	Never	Occasionally	Frequently	Don't know
All institutions	20	49	7	24
Institutional type				
Public 2-year	17	59	8	17
Public 4-year	10	57	6	27
Private not-for-profit 4-year	30	41	2	28
Private for-profit 4-year	26	19	18	37
Size of institution				
Less than 3,000	29	41	7	23
3,000 to 9,999	11	58	7	24
10,000 or more	8	58	9	26

NOTE: Data for private 2-year institutions are not reported in separate categories because too few private 2-year institutions in the sample offered distance education courses in 2006–07 to make reliable estimates. Data for private 2-year institutions are included in the totals and in analyses by other institutional characteristics. Percentages are based on the estimated 2,720 institutions that offered any college-level credit-granting distance education courses in 2006–07. Detail may not sum to totals because of rounding.



Table 10. Percentage distribution of 2-year and 4-year Title IV degree-granting postsecondary institutions offering any distance education courses reporting use of various technologies or media for instruction in college-level credit-granting distance education courses: 2006–07

	for instruct	ional delivery	used technolog of college-lev	el credit-
	grant	ing distance e	ducation cours	ses
	Large	Moderate	Small	Not
Technology or medium for instructional delivery	extent	extent	extent	at all
Asynchronous Internet-based technologies <sup>1</sup>	75	17	6	2
Synchronous Internet-based technologies <sup>1</sup>	12	19	44	25
Two-way interactive video (i.e., two-way video with two-way audio)	8	15	26	51
One-way prerecorded video (including prerecorded videos provided to students, and				
television broadcast and cable transmission using prerecorded videos)	5	14	35	46
One-way video with two-way audio (e.g., interactive television)	1	5	17	77
One-way audio transmission (e.g., podcasting, radio broadcasts, and prerecorded				
audiotapes provided to students)	3	9	39	49
Correspondence only (print-based documents exchanged via postal delivery or email)	8	8	14	69
Correspondence combined with the use of distance education technology such as CD-ROM	4	10	20	65
Other technologies	2	2	2	93

<sup>&</sup>lt;sup>1</sup>Synchronous Internet-based technologies refer to simultaneous or "real-time" computer-based instruction, while asynchronous Internet-based technologies are used for courses that are not based on simultaneous computer-based instruction.



NOTE: Percentages are based on estimated 2,720 institutions that offered any college-level credit-granting distance education courses in 2006–07. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Postsecondary Education Quick Information System (PEQIS), "Distance Education at Postsecondary Institutions," 2007.

Table 11. Percent of 2-year and 4-year Title IV degree-granting postsecondary institutions offering any distance education courses reporting that they used various technologies or mediums to a moderate or large extent for instructional delivery of college-level creditgranting distance education courses, by institutional type and institution size: 2006–07

			Technolog	y or mediun	n used to a mo	oderate or lar	ge extent		
	Asynchro-	Synchro-							
	nous	nous						Corres-	
	Internet-	Internet-		One-way	One-way	One-way		pondence	
	based	based	Two-way	pre-	video with	audio	Corres-	combined	Other
	tech-	tech-	interactive	recorded	two-way	trans-	pondence	with tech-	tech-
Institutional type and size	nologies1	nologies1	video <sup>2</sup>	video3	audio <sup>4</sup>	mission <sup>5</sup>	only <sup>6</sup>	nology <sup>7</sup>	nologies
All institutions	92	31	23	19	6	12	16	14	4
Institutional type									
Public 2-year	93	28	30	21	8	10	9	11	4
Public 4-year	90	42	37	19	7	12	11	8	2
Private not-for-profit 4-year	90	32	13	19	3	15	17	18	9
Private for-profit 4-year	95	13	‡	11	‡	8	52	20	#
Size of institution									
Less than 3,000	89	28	20	12	5	10	22	17	6
3,000 to 9,999	94	33	24	23	5	14	11	12	3
10,000 or more	95	37	26	31	9	14	12	11	3

<sup>#</sup> Rounds to zero.

NOTE: Data for private 2-year institutions are not reported in a separate category because too few private 2-year institutions in the sample offered distance education courses in 2006–07 to make reliable estimates. Data for private 2-year institutions are included in the totals and in analyses by other institutional characteristics. Percentages are based on estimated 2,720 institutions that offered any college-level credit-granting distance education courses in 2006–07.



<sup>‡</sup> Reporting standards not met.

<sup>&</sup>lt;sup>1</sup>Synchronous Internet-based technologies refer to simultaneous or "real-time" computer-based instruction, while asynchronous Internet-based technologies are used for courses that are not based on simultaneous computer-based instruction.

<sup>&</sup>lt;sup>2</sup>The wording in the questionnaire was "Two-way video with two-way audio (i.e., two-way interactive video)."

<sup>&</sup>lt;sup>3</sup>The wording in the questionnaire was "One-way prerecorded video (including prerecorded videos provided to students, and television broadcast and cable transmission using prerecorded videos)."

<sup>&</sup>lt;sup>4</sup>The wording in the questionnaire was "One-way video with two-way audio (e.g., interactive television)."

<sup>&</sup>lt;sup>5</sup>The wording in the questionnaire was "One-way audio transmission (e.g., podcasting, radio broadcasts, and prerecorded audiotapes provided to students)."

<sup>&</sup>lt;sup>6</sup>The wording in the questionnaire was "Correspondence only (print-based documents exchanged via postal delivery or email)."

The wording in the questionnaire was "Correspondence combined with the use of distance education technology such as CD-ROM."

Table 12. Percentage distribution of 2-year and 4-year Title IV degree-granting postsecondary institutions offering any distance education courses reporting the extent to which various factors affected decisions regarding distance education offerings: 2006–07

	Extent to which factor affected decisions regarding distance education offerings						
	Major	Moderate	Small	Not			
Factor	extent	extent	extent	at all			
Seeking to increase student enrollment	45	37	13	4			
Making more courses available	46	40	10	4			
Making more degree programs available	28	27	24	21			
Making more certificate programs available	13	21	28	37			
Meeting student demand for flexible schedules	68	24	7	1			
Providing access to college for students who otherwise would not have access							
(e.g., because of geographic, family, or work-related reasons)	67	22	8	3			
Responding to the needs of employers/business	26	36	28	10			
Maximizing the use of existing college facilities	24	39	25	12			
Meeting student demand for reduced seat time	16	30	31	22			
Other factors	4	2	1	93			

NOTE: Percentages are based on estimated 2,720 institutions that offered any college-level credit-granting distance education courses in 2006–07. Detail may not sum to totals because of rounding.



Table 13. Percent of 2-year and 4-year Title IV degree-granting postsecondary institutions offering any distance education courses reporting that various factors affected decisions regarding distance education offerings to a moderate or major extent, by institutional type and institution size: 2006–07

		Factor affecting institutions' decisions to a moderate or major extent										
	Seeking			Making	Meeting		Respond-	Maximiz	Meeting			
	to		Making	more	student		ing to the	-ing the	student			
	increase	Making	more	certifi-	demand	Pro-	needs of	use of	demand			
	student	more	degree	cate	for	viding	employ-	existing	for			
Institutional type	enroll-	courses	programs	programs	flexible	access to	ers/	college	reduced	Other		
and size	ment	available	available	available	schedules	college	business	facilities	seat time	factors		
All institutions	82	86	55	34	92	89	62	63	47	6		
Institutional type												
Public 2-year	89	92	56	49	98	97	65	71	56	5		
Public 4-year	78	84	64	38	89	85	62	56	39	8		
Private not-for-profit 4-year	81	77	46	24	85	85	52	47	31	7		
Private for-profit 4-year	76	91	63	4	95	79	74	83	72	‡		
Size of institution												
Less than 3,000	80	85	48	25	92	86	60	61	44	6		
3,000 to 9,999	87	87	59	40	93	91	63	64	51	4		
10,000 or more	82	86	67	51	92	93	66	64	46	9		

<sup>‡</sup> Reporting standards not met.

NOTE: Percentages are based on estimated 2,720 institutions that offered any college-level credit-granting distance education courses in 2006–07. Data for private 2-year institutions are not reported in a separate category because too few private 2-year institutions in the sample offered distance education courses in 2006–07 to make reliable estimates. Data for private 2-year institutions are included in the totals and in analyses by other institutional characteristics.



Table 14. Percent of 2-year and 4-year Title IV degree-granting postsecondary institutions indicating means for acquiring or developing distance education courses, by credit/noncredit courses, institutional type, and institution size: 2006–07

	Way	s in which cre	listance educati	Ways in which noncredit-granting distance education								
		courses were acquired or developed <sup>1</sup>						courses were acquired or developed <sup>2</sup>				
			Acquired					Acquired				
		Developed	from				Developed	from				
		with other	another	Acquired			with other	another	Acquired			
	Developed	post-	post-	from a	Acquired	Developed	post-	post-	from a	Acquired		
Institutional type	by	secondary	secondary	commercial	in other	by	secondary	secondary	commercial	in other		
and size	institution	institutions	institution	vendor	ways	institution	institutions	institution	vendor	ways		
All institutions	. 94	26	13	25	2	64	12	7	62	1		
Institutional type												
Public 2-year	99	32	18	42	1	52	12	7	79	‡		
Public 4-year	97	32	10	21	‡	76	18	10	52	2		
Private not-for-												
profit 4-year	96	12	8	12	1	92	‡	‡	18	#		
Private for-profit												
4-year	72	25	10	12	‡	‡	#	#	‡	#		
Size of institution												
	89	24	16	19	4	59	9	6	53			
Less than 3,000		24			4			6		‡		
3,000 to 9,999		29	12	31	2		13	6		‡		
10,000 or more	98	25	10	32	1	75	14	9	63	<u>l</u>		

<sup>#</sup> Rounds to zero.

NOTE: Institutions could report more than one means of acquiring or developing their credit-granting and noncredit distance education courses. Data for private 2-year institutions are not reported in a separate category because too few private 2-year institutions in the sample offered distance education courses in 2006–07 to make reliable estimates. Data for private 2-year institutions are included in the totals and in analyses by other institutional characteristics.



<sup>‡</sup> Reporting standards not met.

<sup>&</sup>lt;sup>1</sup>Percentages are based on the estimated 2,720 institutions that offered any college-level credit-granting distance education courses in 2006–07.

<sup>&</sup>lt;sup>2</sup>Percentages are based on the estimated 970 institutions that offered any noncredit distance education courses in 2006–07.

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# Appendix A Standard Error Tables



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Table 1a. Standard errors for the total number of 2-year and 4-year Title IV degree-granting postsecondary institutions, and percent that offered distance education courses, by course type, institutional type, and institution size: 2006–07

		Percent offered	Percent offer	red college-level cre	edit-granting online,	
		any online,	hybrid/blended onl	ine, or other distance	e education courses	Percent
		hybrid/blended				offered
		online, or other				noncredit
	Total	distance			Graduate/	distance
	number of	education	Courses at	Undergraduate	first-professional	education
Institutional type and size	institutions	courses	either level	courses	courses	courses
All institutions	24.2	1.3	1.4	1.5	1.8	0.7
Institutional type						
Public 2-year	11.7	1.1	1.1	1.1	†	1.5
Private for-profit 2-year	17.6	4.4	3.4	3.4	†	†
Public 4-year	9.4	1.7	1.7	1.6	2.3	2.0
Private not-for-profit 4-year	13.9	2.3	2.3	3.1	2.5	1.2
Private for-profit 4-year	18.2	8.1	8.1	8.1	†	1.4
Size of institution						
Less than 3,000	33.0	1.9	2.0	2.3	2.9	1.1
3,000 to 9,999	16.2	1.1	1.1	1.2	2.4	1.2
10,000 or more	2.3	0.0	0.0	0.0	0.1	0.3

<sup>†</sup>Not applicable.



Table 2a. Standard errors for the percent of 2-year and 4-year Title IV degree-granting postsecondary institutions offering online, hybrid/blended online, and other types of college-level credit-granting distance education courses, by course type, institutional type, and institution size: 2006–07

	O	nline course	es	Hybrid/b	lended onlin	e courses	Other dista	ance educati	on courses
			Graduate/			Graduate/			Graduate/
	Courses	Under-	first-pro-	Courses	Under-	first-pro-	Courses	Under-	first-pro-
	at either	graduate	fessional	at either	graduate	fessional	at either	graduate	fessional
Institutional type and size	level	courses	courses	level	courses	courses	level	courses	courses
All institutions	1.4	1.5	1.7	0.9	1.1	1.4	1.0	0.9	1.3
Institutional type									
Public 2-year	1.2	1.2	†	2.1	2.1	†	2.1	2.1	†
Private for-profit 2-year	3.3	3.3	†	2.2	2.2	†	†	†	†
Public 4-year	1.9	1.6	2.3	2.4	2.3	2.1	1.9	1.6	2.1
Private not-for-profit 4-year	2.2	2.9	2.4	1.9	2.4	1.8	1.4	1.5	1.4
Private for-profit 4-year	9.0	9.0	†	4.5	4.5	†	4.8	4.9	†
Size of institution									
Less than 3,000	2.1	2.3	2.8	1.3	1.7	2.0	1.4	1.3	1.8
3,000 to 9,999	1.3	1.3	2.6	1.8	1.7	2.7	1.7	1.6	2.6
10,000 or more	0.0	0.0	0.1	0.2	0.2	0.2	0.3	0.2	0.2

†Not applicable.

Table 3a. Standard errors for the percentage distribution of 2-year and 4-year Title IV degreegranting postsecondary institutions offering distance education that reported the minimum amount of online instruction or other criteria required to formally designate courses as online, by institutional type and institution size: 2006–07

	Minim	um percent of on designate cour	Some other	No standard criterion is used		
-		80 to	to designate			
			50 to	25 to		C
Institutional type and size	100 percent	99 percent	79 percent	49 percent	online courses	online courses
All institutions	1.4	1.0	0.5	0.7	0.5	1.2
Institutional type						
Public 2-year	1.9	1.3	0.9	1.0	0.6	0.7
Public 4-year	2.4	1.4	1.1	0.8	0.8	1.7
Private not-for-profit 4-year	2.9	2.0	1.4	1.2	0.9	1.1
Size of institution						
Less than 3,000	2.7	1.9	0.9	1.2	1.0	2.4
3,000 to 9,999	1.8	1.4	0.8	0.8	0.7	0.7
10,000 or more	0.3	0.2	0.1	0.1	0.0	0.0

Table 4a. Standard errors for the total number of enrollments in college-level credit-granting distance education courses at 2-year and 4-year Title IV degree-granting postsecondary institutions, by course type, institutional type, and institution size: 2006–07

		Total number of	Enrollments in co	llege-level credit-	
	Total number of	enrollments in		C	
	institutions that	college-level	,	•	
		C	· ·		
	offered any college-level	credit-granting online,			
	credit-granting online,	hybrid/blended online,		Graduate/first-	
	hybrid/blended online, or other	or other distance	Undergraduate	professional	
Institutional type and size	distance education courses	education courses	level	level	
All institutions	57.2	335,674.0	280,152.1	149,984.1	
Institutional type					
Public 2-year	14.4	80,716.8	80,708.1	1,991.2	
Private not-for-profit 2-year	13.5	6,391.4	6,391.4	†	
Private for-profit 2-year	16.9	40,644.2	40,644.2	†	
Public 4-year	12.2	97,974.4	71,817.5	38,002.3	
Private not-for-profit 4-year	34.6	121,601.7	91,774.4	58,831.7	
Private for-profit 4-year	29.7	297,571.7	234,444.1	148,087.6	
Size of institution					
Less than 3,000	55.3	309,421.5	247,431.8	149,634.6	
3,000 to 9,999	13.8	182,881.6	151,738.5	47,015.5	
10,000 or more	2.3	23,084.3	20,796.9	4,873.5	



Table 5a. Standard errors for the total enrollments in online, hybrid/blended online, and other types of college-level credit-granting distance education courses at 2-year and 4-year Title IV degree-granting postsecondary institutions, and percent of total distance education enrollments, by course level, institutional type, and institution size: 2006–07

	Total			Perce	ent of total d	istance educ	ation enrolln	nents				
	enrollments in college-level	Onl	ine enrollme	ents	Hybrid/blei	nded online	enrollments		Other distance education enrollments			
	credit-granting											
	online,											
	hybrid/blended											
	online, or other			Graduate/			Graduate/			Graduate/		
	distance	Courses	Under-	first-pro-	Courses	Under-	first-pro-	Courses	Under-	first-pro-		
Institutional type	education	at either	graduate	fessional	at either	graduate	fessional	at either	graduate	fessional		
and size	courses	level	courses	courses	level	courses	courses	level	courses	courses		
All institutions	335,674.0	1.0	1.1	0.4	0.8	0.5	0.8	0.5	.04	0.2		
Institutional type												
Public 2-year	80,716.8	0.6	0.6	†	0.3	0.2	†	0.5	0.5	Ť		
Private not-for-												
profit 2-year	6,391.4	0.9	0.9	†	†	†	†	†	†	1		
Private for-profit												
2-year	40,644.2	1.6	1.6	†	1.6	1.6	†	†	†	1		
Public 4-year	97,974.4	0.9	0.8	0.6	0.7	0.6	0.2	0.6	0.5	0.3		
Private not-for-												
profit 4-year	121,601.7	2.8	2.8	1.9	2.2	1.9	0.9	1.9	1.1	1.4		
Private for-profit												
4-year	297,571.7	5.3	7.6	3.5	5.3	1.6	5.1	0.5	0.3	0.2		
Size of institution												
Less than 3,000	309,421.5	5.4	6.7	2.5	4.8	2.7	4.3	1.9	1.4	0.8		
3,000 to 9,999	182,881.6	1.6	1.4	0.6	0.9	0.7	0.2	1.1	0.8	0.6		
10,000 or more	23,084.3	1.0	1.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0		

Table 6a. Standard errors for the percent of all 2-year and 4-year Title IV degree-granting postsecondary institutions offering any college-level credit-granting distance education courses, and percent that had college-level degree or certificate programs designed to be completed totally through distance education, by program level, institutional type, and institution size: 2006–07

	Offered any			Program to b	e completed t	hrough distanc	ce education				
	college-level	Offered any	college-level		Program type						
	credit-	degree or	certificate								
	granting	prog	rams	D	egree progran	ns	Cer	tificate progra	ms		
	online,										
	hybrid/		Institutions								
	blended		with								
	online, or		college-level			Graduate/			Graduate/		
	other		credit-		Under-	first-		Under-	first-		
	distance		granting	Degree	graduate	professional	Certificate	graduate	professional		
Institutional type and	education	All	distance	programs at	degree	degree	programs at	certificate	certificate		
size	courses	institutions	education	either level1	programs	programs	either level	programs	programs		
All institutions	. 1.4	1.1	1.8	1.2	1.3	1.4	0.7	0.6	1.3		
Institutional type											
Public 2-year Private for-profit	. 1.1	1.9	2.0	1.7	1.7	†	1.6	1.6	†		
2-year	3.4	2.9	†	2.9	2.9	†	†	†	†		
Public 4-year Private not-for-	. 1.7	2.4	2.4	2.5	2.3	2.3	2.0	1.5	2.2		
profit 4-year Private for-profit	2.3	1.6	3.1	1.6	1.9	1.7	1.6	1.3	1.8		
4-year	8.1	9.7	12.4	9.7	9.7	†	0.4	†	†		
Size of institution											
Less than 3,000	. 2.0	1.6	3.3	1.8	2.0	2.4	1.0	0.8	2.0		
3,000 to 9,999	. 1.1	1.6	1.7	1.6	1.7	2.7	1.5	1.3	1.8		
10,000 or more	0.0	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3		

Table 7a. Standard errors for the total number of college-level degree or certificate programs designed to be completed totally through distance education at 2-year and 4-year Title IV degree-granting postsecondary institutions, and percent of total distance education programs, by program type, program level, institutional type, and institution size: 2006–07

	Total		Percen	t of total distanc	e education pro	grams	
	number of	Ι	Degree programs		Се	rtificate progran	ns
	programs						
	designed to						
	be completed			Graduate/			Graduate/
	entirely		Under-	first-		Under-	first-
	through	Degree	graduate	professional	Certificate	graduate	professional
	distance	programs at	degree	degree	programs at	certificate	certificate
Institutional type and size	education	either level	programs	programs	either level	programs	programs
All institutions	501.9	1.6	1.7	1.1	1.6	1.5	0.8
Institutional type							
Public 2-year	226.3	2.6	2.6	†	2.6	2.6	†
Private not-for-profit 2-year	62.8	†	†	†	†	†	†
Private for-profit 2-year	51.8	33.9	33.9	†	33.9	33.9	†
Public 4-year	158.7	0.8	1.5	1.0	0.8	0.6	0.7
Private not-for-profit 4-year	353.7	2.7	4.0	2.6	2.7	1.7	2.3
Private for-profit 4-year	260.7	0.6	6.1	6.4	0.6	†	0.4
Size of institution							
Less than 3,000	398.8	5.2	5.0	2.9	5.2	5.1	1.5
3,000 to 9,999	347.9	2.4	2.3	2.1	2.4	2.4	2.0
10,000 or more	31.1	0.2	0.3	0.2	0.2	0.1	0.1

Table 8a. Standard errors for the percent of 2-year and 4-year Title IV degree-granting postsecondary institutions offering any academic distance education courses for elementary or secondary students, by course type, institutional type, and institution size: 2006–07

	Offered any academic	distance education	Туре	of distance education c	ourse			
	courses for elementary	/secondary students	for elementary/secondary students					
			Advanced					
		Institutions with	Placement or		Academic courses			
		any college-level	International	Other academic	for elementary or			
	All	credit-granting	Baccalaureate	high school	middle school			
Institutional type and size	institutions	distance education	courses	courses	students			
All institutions	0.8	1.1	2.6	2.7	0.7			
Institutional type								
Public 2-year	2.0	2.0	3.9	3.7	0.6			
Public 4-year	1.5	1.7	4.4	4.3	0.3			
Private not-for-profit 4-year	1.1	2.0	†	†	†			
Private for-profit 4-year	2.3	3.3	†	†	†			
Size of institution								
Less than 3,000	1.1	2.0	5.2	5.5	†			
3,000 to 9,999	1.3	1.4	4.0	3.7	†			
10,000 or more	0.1	0.1	0.0	0.0	0.0			

<sup>†</sup>Not applicable.



Table 9a. Standard errors for the percentage distribution of 2-year and 4-year Title IV degreegranting postsecondary institutions that offered distance education reporting frequency of requests for accommodations for students with disabilities in distance education courses over the last 3 years, by institutional type and institution size: 2006–07

Institutional type and size	Never	Occasionally	Frequently	Don't know
All institutions	1.1	1.3	0.9	1.5
Institutional type				
Public 2-year	1.9	1.8	0.7	1.6
Public 4-year	1.6	2.3	0.9	2.1
Private not-for-profit 4-year	3.3	3.4	0.5	3.5
Private for-profit 4-year	6.0	5.9	9.5	7.6
Size of institution				
Less than 3,000	2.4	2.4	1.8	2.7
3,000 to 9,999	1.0	1.6	0.7	1.6
10,000 or more	0.0	0.2	0.0	0.2



Table 10a. Standard errors for the percentage distribution of 2-year and 4-year Title IV degree-granting postsecondary institutions offering any distance education courses reporting use of various technologies or media for instruction in college-level credit-granting distance education courses: 2006–07

	Extent to which institution used technology/medium for instructional delivery of college-level credit-							
	granting distance education courses							
	Large	Moderate	Small	Not				
Technology or medium for instructional delivery	extent	extent	extent	at all				
Asynchronous Internet-based technologies	1.4	1.4	0.7	0.4				
Synchronous Internet-based technologies	1.3	1.3	1.4	1.7				
Two-way interactive video (i.e., two-way video with two-way audio)	0.7	1.0	1.3	1.5				
One-way prerecorded video (including prerecorded videos provided to students, and								
television broadcast and cable transmission using prerecorded videos)	0.5	1.0	1.5	1.9				
One-way video with two-way audio (e.g., interactive television)	0.2	0.6	1.0	1.1				
One-way audio transmission (e.g., podcasting, radio broadcasts, and prerecorded								
audiotapes provided to students)	0.5	0.9	1.5	1.4				
Correspondence only (print-based documents exchanged via postal delivery or email)	1.4	0.9	1.2	1.4				
Correspondence combined with the use of distance education technology such as								
CD-ROM	0.7	1.0	1.3	1.5				
Other technologies	0.5	0.5	0.5	0.8				



Table 11a. Standard errors for the percent of 2-year and 4-year Title IV degree-granting postsecondary institutions offering any distance education courses reporting that they used various technologies or mediums to a moderate or large extent for instructional delivery of college-level credit-granting distance education courses, by institutional type and institution size: 2006–07

			Technolog	gy or mediun	n used to a m	oderate or lar	ge extent		
	Asynchro-	Synchro-							
	nous	nous						Corres-	
	Internet-	Internet-		One-way	One-way	One-way		pondence	
	based	based	Two-way	pre-	video with	audio	Corres-	combined	Other
	tech-	tech-	interactive	recorded	two-way	trans-	pondence	with tech-	tech-
Institutional type and size	nologies	nologies	video	video	audio	mission	only	nology	nologies
All institutions	0.8	1.6	1.1	1.1	0.6	0.9	1.1	1.3	0.6
Institutional type									
Public 2-year	1.4	1.8	1.9	1.3	1.3	1.1	1.2	0.9	0.9
Public 4-year	1.5	2.1	2.4	1.3	1.0	1.4	1.5	0.9	0.6
Private not-for-profit 4-year	1.8	3.7	2.1	2.6	0.9	2.2	2.4	2.9	2.0
Private for-profit 4-year	3.0	4.2	†	4.2	†	3.9	5.6	9.2	†
Size of institution									
Less than 3,000	1.5	3.0	2.1	1.8	1.1	1.5	2.2	2.4	1.2
3,000 to 9,999	0.9	1.6	1.3	1.4	1.1	1.6	1.1	1.3	0.5
10,000 or more	0.0	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.0



Table 12a. Standard errors for the percentage distribution of 2-year and 4-year Title IV degreegranting postsecondary institutions offering any distance education courses reporting the extent to which various factors affected decisions regarding distance education offerings: 2006–07

	Extent to which factor affected decisions regarding distance education offerings							
Factor	Major extent	Moderate extent	Small extent	Not at all				
	<u> </u>	<u>,                                    </u>						
Seeking to increase student enrollment	1.8	1.7	1.0	0.6				
Making more courses available	1.5	1.6	0.9	0.7				
Making more degree programs available	1.4	1.5	1.7	1.3				
Making more certificate programs available	0.8	1.2	1.2	1.5				
Meeting student demand for flexible schedules	1.7	1.6	0.9	0.5				
Providing access to college for students who otherwise would not have access								
(e.g., because of geographic, family, or work-related reasons)	1.5	1.6	1.0	0.5				
Responding to the needs of employers/business	1.3	1.7	1.1	0.9				
Maximizing the use of existing college facilities	1.4	1.8	1.5	1.1				
Meeting student demand for reduced seat time	1.3	1.7	1.3	1.3				
Other factors	0.6	0.4	0.1	0.6				



Table 13a. Standard errors for the percent of 2-year and 4-year Title IV degree-granting postsecondary institutions offering any distance education courses reporting that various factors affected decisions regarding distance education offerings to a moderate or major extent, by institutional type and institution size: 2006–07

			Factor affec	ting institut	ions' decisi	ions to a mo	oderate or m	najor extent		
	Seeking			Making	Meeting		Respond-	Maximiz	Meeting	
	to		Making	more	student		ing to the	-ing the	student	
	increase	Making	more	certifi-	demand	Pro-	needs of	use of	demand	
	student	more	degree	cate	for	viding	employ-	existing	for	
Institutional type	enroll-	courses	programs	programs	flexible	access to	ers/	college	reduced	Other
and size	ment	available	available	available	schedules	college	business	facilities	seat time	factors
All institutions	1.2	1.2	1.7	1.2	1.1	1.1	1.5	1.4	1.7	0.6
Institutional type										
Public 2-year	1.2	1.1	2.1	2.0	0.3	0.5	1.8	1.9	2.4	0.7
Public 4-year	2.1	1.8	2.4	2.0	1.2	1.8	2.2	2.3	2.0	1.6
Private not-for-profit 4-year	2.4	2.6	3.1	2.2	2.6	2.4	3.1	3.3	2.5	2.0
Private for-profit 4-year	11.1	4.4	11.2	2.6	3.4	10.9	8.9	8.5	8.0	†
Size of institution										
Less than 3,000	2.1	2.0	3.0	2.3	1.8	2.1	2.7	2.5	3.2	1.2
3,000 to 9,999	1.2	1.4	1.8	1.5	1.1	0.9	1.9	1.7	1.9	0.9
10,000 or more	0.1	0.1	0.2	0.3	0.0	0.0	0.3	0.2	0.2	0.3

<sup>†</sup>Not applicable.

Table 14a. Standard errors for the percent of 2-year and 4-year Title IV degree-granting postsecondary institutions indicating means for acquiring or developing distance education courses, by credit/noncredit courses, institutional type, and institution size: 2006–07

	Way	ys in which cre	dit-granting o	listance educati	on	Ways	in which none	redit-grantin	g distance edu	cation
		courses wei	e acquired or	developed			courses we	re acquired or	r developed	
			Acquired					Acquired		
		Developed	from				Developed	from		
		with other	another	Acquired			with other	another	Acquired	
	Developed	post-	post-	from a	Acquired	Developed	post-	post-	from a	Acquired
Institutional type	by	secondary	secondary	commercial	in other	by	secondary	secondary	commercial	in other
and size	institution	institutions	institution	vendor	ways	institution	institutions	institution	vendor	ways
All institutions	1.1	1.5	1.0	1.1	0.8	1.6	1.1	0.9	1.6	0.3
Institutional type										
Public 2-year	0.4	1.9	1.8	1.8	0.3	2.1	1.6	1.1	1.7	†
Public 4-year	0.8	2.0	1.2	1.9	†	2.5	1.9	2.5	3.1	1.1
Private not-for-										
profit 4-year	2.0	2.3	2.6	2.1	0.7	2.4	†	†	4.3	†
Private for-profit										
4-year	11.3	10.5	4.0	7.0	†	†	†	†	†	†
Size of institution										
Less than 3,000	2.0	2.9	1.8	1.9	1.6	4.7	2.5	2.7	4.2	†
3,000 to 9,999	0.3	1.1	1.0	1.8	0.3	1.6	1.8	1.0	2.1	†
10,000 or more	0.0	0.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0



# Appendix B

**Technical Notes** 



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## **Technical Notes**

# **Postsecondary Education Quick Information System**

The Postsecondary Education Quick Information System (PEQIS) was established in 1991 by the National Center for Education Statistics (NCES), U.S. Department of Education (ED). PEQIS is designed to conduct brief surveys of postsecondary institutions or state higher education agencies on postsecondary education topics of national importance. Surveys are generally limited to 3 pages of questions, with a response burden of 30 to 45 minutes per respondent. Most PEQIS institutional surveys use a previously recruited, nationally representative panel of institutions. The PEQIS panel was originally selected and recruited in 1991–92. In 1996, 2002, and 2006, the PEQIS panel was reselected to reflect changes in the postsecondary education universe that had occurred since the original panel was selected. A modified Keyfitz approach was used to maximize overlap between the panels for each reselection. This approach resulted in about 80 percent of the institutions overlapping for each reselection of the panel (Chowdhury, Chu, and Kaufman 2000).

The sampling frame for the 2006 PEQIS panel was constructed from the 2005 Integrated Postsecondary Education Data System (IPEDS) Institutional Characteristics file. Institutions eligible for the 2006 PEQIS frame included 2-year and 4-year (including graduate-level) institutions that are both Title IV eligible and degree granting, and are located in the 50 states and the District of Columbia: a total of 4,265 institutions. The 2006 PEQIS sampling frame was stratified by instructional level (4-year, 2-year), control (public, private not-for-profit, private for-profit), highest level of offering (doctor's/first-professional, master's, bachelor's, less than bachelor's), and total enrollment. Within each of the strata, institutions were sorted by region (Northeast, Southeast, Central, West) and by whether the institution had a relatively high minority enrollment. The sample of 1,627 institutions was allocated to the strata in proportion to the aggregate square root of total enrollment. Institutions within a stratum were sampled with equal probabilities of selection. Panel recruitment was conducted with the 339 institutions that were selected for the 2006 panel that were not part of the 2002 panel.

Each institution in the PEQIS panel was asked to identify a campus representative to serve as survey coordinator. The campus representative facilitated data collection by identifying the appropriate respondent for each survey and forwarding the questionnaire to that person. Data were weighted to produce national estimates, and the sample size allowed for limited breakouts by classification variables. However, as the number of categories within the classification variables increased, the sample size within categories decreased, which resulted in larger sampling errors for the breakouts by classification variables.

# Sample Selection and Response Rates

The sample for the distance education survey consisted of all of the institutions in the 2006 PEQIS panel. Questionnaires (see appendix C) were mailed to the PEQIS coordinators at the 1,627 institutions in fall 2007. Coordinators were told that the survey was designed to be completed by the person at the institution most knowledgeable about the institution's distance education programs. In addition, data were collected from one 4-year private for-profit institution that was added to the sample for this survey only because it is the largest provider of online distance education courses in the nation, bringing the total sample size for this survey to 1,628 institutions. Respondents had the option of completing the survey online. Telephone follow-up of nonrespondents was initiated 3 weeks after mailout; data collection and clarification were completed in March 2008. During data collection, 18 institutions were determined to



be ineligible for the PEQIS distance education survey. These were mostly branch campuses of institutions for which distance education data were reported through a main campus. For the eligible institutions, an unweighted response rate of 90 percent (1,448 responding institutions divided by the 1,610 eligible institutions in the sample for this survey) was obtained. The weighted response rate for this survey was 87 percent. Of the institutions that completed the survey, 72 percent completed it online, 20 percent completed it by mail, 5 percent completed it by fax, and 4 percent completed it by telephone. The weighted number of eligible institutions in the survey represents the estimated universe of eligible postsecondary institutions in the 50 states and the District of Columbia (see table B-1).

Table B-1. Number and percent of Title IV degree-granting postsecondary institutions in study, and estimated number and percent in the nation, for the total sample and for institutions that offered any distance education courses, by institutional type and institution size: 2006–07

		Total s	ample			•	e education of	
<u> </u>	Respo		шпрте		Respo		month dedd	cime year
	institu	Č	National	estimate	institu	·	National estimate	
	(unwei		(weig		(unwei		(weig	
Institutional type and size	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All institutions	1,448	100	4,200	100	1,179	100	2,750	100
Institutional type								
Public 2-year	509	35	1,000	25	502	43	1,020	37
Private not-for-profit 2-year	15	1	100	3	5	#	30	1
Private for-profit 2-year	65	4	500	12	12	1	90	3
Public 4-year	390	27	600	15	361	31	570	21
Private not-for-profit 4-year	419	29	1,500	36	262	22	790	29
Private for-profit 4-year	50	3	300	8	37	3	240	9
Size of institution								
Less than 3,000	511	35	2,700	65	294	25	1,400	51
3,000 to 9,999	487	34	900	23	449	38	870	32
10,000 or more	450	31	500	12	436	37	480	17

# Rounds to zero.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Postsecondary Education Quick Information System (PEQIS), "Distance Education at Postsecondary Institutions," 2007.

# **Imputation for Item Nonresponse**

Data were imputed for all missing questionnaire items. These 42 items are listed in table B-2. The missing items included both numerical data such as counts of students in online courses, as well as categorical data such as the extent to which institutions used various technologies for the instructional delivery of distance education courses. The missing data were imputed using a "hot-deck" approach to obtain a "donor" institution from which the imputed values were derived. Under the hot-deck approach, a donor institution that matched selected characteristics of the institution with missing data (the recipient institution) was identified. The matching characteristics included PEQIS stratum (defined by sector, highest level of offering, and enrollment size) and whether the institution offered any distance education courses. Once a donor was found, it was used to derive the imputed values for the institution with missing data. For categorical items, the imputed value was simply the corresponding value from the donor institution. For numerical items, the imputed value was calculated by taking the donor's response for that item (e.g., enrollment in online courses) and dividing that number by the total number of students enrolled in the donor institution. This ratio was then multiplied by the total number of students enrolled



in the recipient institution to provide an imputed value. All missing items for a given institution were imputed from the same donor whenever possible.

Table B-2. Percent of cases with imputed data in study sample, and percent of cases with imputed data the sample represents, by questionnaire items: 2006–07

	duta the sample represents, by questionnaire terms. 2000 07	Responding institutions	National estimate
Questionnaire i	tem	(unweighted)	(weighted)
Q4btotenr	Total number of students enrolled in online courses	0.90	0.62
Q4bungenenr	Number of undergraduate students enrolled in online courses.	1.38	0.84
Q4bgradenr	Number of graduate students enrolled in online courses	1.10	0.66
Q7btotenr	Total number of students enrolled in hybrid online courses	1.66	0.87
Q7bungenenr	Number of undergraduate students enrolled in hybrid online courses	1.80	0.93
Q7bgradenr	Number of graduate students enrolled in hybrid online courses	1.45	0.70
Q9btotenr	Total number of students enrolled in other types of distance education courses	0.62	0.44
Q9bungenenr	Number of undergraduate students enrolled in other types of distance education courses	0.97	0.59
Q9bgradenr	Number of graduate students enrolled in other types of distance education courses	0.97	0.59
Q11ungdeg	Number of undergraduate degree programs completed totally through distance education	0.07	0.04
Q11ungcert	Number of undergraduate certificate programs completed totally through distance education	0.07	0.04
Q11gradcert	Number of graduate certificate programs completed totally through distance education	0.07	0.04
12a	Seeking to increase student enrollment	0.35	0.14
12b	Making more courses available	0.35	0.14
12c	Making more degree programs available	0.35	0.14
12d	Making more certificate programs available	0.35	0.14
12e	Meeting student demand for flexible schedules	0.35	0.14
12f	Providing access to college for students who otherwise would not have access	0.35	0.14
12g	Responding to the needs of employers/business	0.35	0.14
12h	Maximizing the use of existing college facilities	0.35	0.14
12i	Meeting student demand for reduced seat time	0.35	0.14
12j	Other factors	0.35	0.14
Q13a	Asynchronous Internet-based technologies.	0.21	0.09
Q13b	Synchronous Internet-based technologies	0.21	0.08
Q13c	Two-way interactive video (i.e., two-way video with two-way audio)	0.21	0.08
Q13d	One-way prerecorded video	0.21	0.08
Q13e	One-way video with two-way audio	0.21	0.08
Q13f	One-way audio transmission	0.28	0.12
Q13g	Correspondence only	0.21	0.08
Q13h	Correspondence combined with the use of distance education technology such as CD-ROM	0.28	0.18
Q13i	Other technologies	0.14	0.06
Q14	Received requests to provide accommodations for students with disabilities	0.14	0.05
Q18acred	Credit-granting distance education courses were developed by institution	0.41	0.20
Q18bacred	Credit-granting distance education courses were developed in collaboration with other institution.	0.41	0.20
Q18cacred	$Credit-granting\ distance\ education\ courses\ were\ acquired\ from\ another\ postsecondary\ institution\ .$	0.35	0.16
Q18dacred	Credit-granting distance education courses were acquired from a commercial vendor	0.41	0.19
Q18eacred	Credit-granting distance education courses were acquired in some other ways	0.35	0.16
Q18anoncred	Noncredit distance education courses were developed by institution	0.21	0.08
Q18bnoncred	Noncredit distance education courses were developed in collaboration with other institution	0.21	0.08
Q18cnoncred	Noncredit distance education courses were acquired from another postsecondary institution	0.21	0.08
Q18dnoncred	Noncredit distance education courses were acquired from a commercial vendor	0.21	0.08
Q18enoncred	Noncredit distance education courses were acquired in some other ways	0.21	0.08



## **Data Reliability**

While the "Distance Education at Postsecondary Institutions" survey was designed to account for sampling error and to minimize nonsampling error, estimates produced from the data collected are subject to both types of error. Sampling error occurs because the data are collected from a sample rather than a census of the population, and nonsampling errors are errors made during the collection and processing of the data.

### **Sampling Errors**

The responses were weighted to produce national estimates (see table B-1). The weights were designed to adjust for the variable probabilities of selection and differential nonresponse. The findings in this report are estimates based on the sample selected and, consequently, are subject to sampling variability. General sampling theory was used to estimate the sampling variability of the estimates and to test for statistically significant differences between estimates.

The standard error is a measure of the variability of an estimate due to sampling. It indicates the variability of a sample estimate that would be obtained from all possible samples of a given design and size. Standard errors are used as a measure of the precision expected from a particular sample. If all possible samples were surveyed under similar conditions, intervals of 1.96 standard errors below to 1.96 standard errors above a particular statistic would include the true population parameter being estimated in about 95 percent of the samples. This is a 95 percent confidence interval. For example, the estimated percentage of Title IV degree-granting postsecondary institutions that offered any distance education courses is 65.9 percent and the standard error is 1.3 percent (see tables 1 and 1a). The 95 percent confidence interval for the statistic extends from  $[65.9 - (1.3 \times 1.96)]$  to  $[65.9 + (1.3 \times 1.96)]$ , or from 63.4 to 68.4 percent. The 1.96 is the *critical value* for a statistical test at the 0.05 significance level (where 0.05 indicates the 5 percent of all possible samples that would be outside the range of the confidence interval).

Because the data from the PEQIS distance education survey were collected using a complex sampling design, the variances of the estimates from this survey (e.g., estimates of proportions) are typically different from what would be expected from data collected with a simple random sample. Not taking the complex sample design into account can lead to an underestimation of the standard errors associated with such estimates. To generate accurate standard errors for the estimates in this report, standard errors were computed using a technique known as jackknife replication. As with any replication method, jackknife replication involves constructing a number of subsamples (replicates) from the full sample and computing the statistic of interest for each replicate. The mean square error of the replicate estimates around the full sample estimate provides an estimate of the variance of the statistic. To construct the replications, 50 stratified subsamples of the full sample were created and then dropped 1 at a time to define 50 jackknife replicates. A computer program (WesVar) was used to calculate the estimates of standard errors.

All specific statements of comparisons made in this report have been tested for statistical significance at the .05 level using Student's *t*-statistics to ensure that the differences are larger than those that might be expected due to sampling variation. Adjustments for multiple comparisons were not included. Student's *t* values were computed to test the difference between estimates with the following formula:

$$t = \frac{E_1 - E_2}{\sqrt{se_1^2 + se_2^2}}$$



where  $E_1$  and  $E_2$  are the estimates to be compared and  $se_1$  and  $se_2$  are their corresponding standard errors. Many of the variables examined are related to one another, and complex interactions and relationships have not been explored.

## **Nonsampling Errors**

Nonsampling error is the term used to describe variations in the estimates that may be caused by population coverage limitations and data collection, processing, and reporting procedures. The sources of nonsampling errors are typically problems like unit and item nonresponse, differences in respondents' interpretations of the meaning of questions, response differences related to the particular time the survey was conducted, and mistakes made during data preparation. It is difficult to identify and estimate either the amount of nonsampling error or the bias caused by this error. To minimize the potential for nonsampling error, this study used a variety of procedures, including a pretest of the questionnaire with individuals at postsecondary institutions deemed to be the most knowledgeable about the distance education offerings at their institutions. The pretest provided the opportunity to check for consistency of interpretation of questions and definitions and to eliminate ambiguous items. The questionnaire and instructions were also extensively reviewed by NCES and the data requestor at the Office of Educational Technology. In addition, extensive editing of the questionnaire responses was conducted to check the data for accuracy and consistency. Cases with missing or inconsistent items were recontacted by telephone to resolve problems. Data were keyed with 100 percent verification for surveys received by mail, fax, or telephone.

## **Definitions of Analysis Variables**

- Institutional type: public 2-year, private not-for-profit 2-year, private for-profit 2-year, public 4-year, private not-for-profit 4-year, private for-profit 4-year. Type was created from a combination of level (2-year, 4-year) and control (public, private not-for-profit, private for-profit). Two-year institutions are defined as institutions at which the highest level of offering is at least 2 but less than 4 years (below the baccalaureate degree); 4-year institutions are those at which the highest level of offering is 4 or more years (baccalaureate or higher degree). 

  1
- **Institution size:** less than 3,000 students; 3,000 to 9,999 students; and 10,000 or more students.

For more information about the Postsecondary Education Quick Information System or the Survey on Distance Education at Postsecondary Institutions, contact Peter Tice, Early Childhood, International, and Crosscutting Studies Division, National Center for Education Statistics, Institute of Education Sciences, U.S. Department of Education, 1990 K Street, NW, Washington, DC 20006; e-mail: Peter.Tice@ed.gov; telephone (202) 502-7497.

<sup>&</sup>lt;sup>1</sup>Definitions for level are from the data file documentation for the Integrated Postsecondary Education Data System (IPEDS) Institutional Characteristics file, U.S. Department of Education, National Center for Education Statistics.



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# **Appendix C**

Questionnaire



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## U.S. DEPARTMENT OF EDUCATION NATIONAL CENTER FOR EDUCATION STATISTICS WASHINGTON, D.C. 20006-5651

FORM APPROVED O.M.B. No.: 1850-0733

EXPIRATION DATE: 10/2009

#### **DISTANCE EDUCATION AT POSTSECONDARY INSTITUTIONS**

POSTSECONDARY EDUCATION QUICK INFORMATION SYSTEM

This survey is authorized by law (P.L. 103-382). While participation in this survey is voluntary, your cooperation is critical to make the results of this survey comprehensive, accurate, and timely.

This survey focuses on courses and programs that your institution formally designates as distance education; i.e., a formal education process in which the student and instructor are not in the same place. This includes three types of distance education courses and programs: online, hybrid/blended online, and other distance education courses and programs.

- Instruction may be synchronous or asynchronous, and it involves communication through the use of video, audio. or computer technologies, or by correspondence (which may include both written correspondence and the use of technology such as CD-ROM).
- Institutions may vary in the proportion of online instruction required for a course to be considered an online course or a hybrid/blended online course. Hybrid/blended online courses refer to a combination of online and in-class instruction with reduced in-class seat time for students. This survey excludes web-enhanced courses that do not reduce in-class seat time.
- The time frame for this survey is the 12-month 2006-07 academic year. This includes distance education courses during the summer of 2006 or the summer of 2007, depending on how records are kept at your institution.

Name of Person Completing This Form:	
Title/Position:	

THANK YOU. PLEASE KEEP A COPY OF THE SURVEY FOR YOUR RECORDS

IF ABOVE INSTITUTION INFORMATION IS INCORRECT, PLEASE UPDATE DIRECTLY ON LABEL.

PLEASE RETURN COMPLETED FORM TO: IF YOU HAVE ANY QUESTIONS OR COMMENTS, CONTACT:

Mail: Basmat Parsad (8096.09.03)

Westat 1650 Research Boulevard

Rockville, Maryland 20850-3195

800-254-0984 Fax:

Telephone Number:

Basmat Parsad at Westat 800-937-8281. Ext. 8222 or 301-251-8222 E-mail: basmatparsad@westat.com

E-mail:

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 1850-0733. The time required to complete this information collection is estimated to average 45 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate or suggestions for improving this form, please write to: U.S. Department of Education, Washington, DC 20202-4651. If you have any comments or concerns regarding the status of your individual submission of this form, write directly to: National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006.

PEQIS Form No. 16, 08/2007

Please read the instructions below and on the cover	page before answering	a the auestions.
---	-----------------------	------------------

- This survey focuses on courses and programs that your institution formally designates as distance education. This includes three types of distance education: online, hybrid/blended online, and other distance education courses and programs.
- Institutions may vary in the proportion of online instruction required for a course to be considered online or hybrid/blended online. Hybrid/blended online courses refer to a combination of online and in-class instruction with reduced in-class seat time. This excludes web-enhanced courses that do not reduce in-class seat time.
- If a course had multiple sections or was offered multiple times during the academic year, count it as only **one** course; i.e., provide counts of **different** courses. However, **enrollments** may include duplicated counts because they refer to the number of registrations; i.e., a student should be counted for each course in which he/she was enrolled. If your institution did not offer a particular type or level of distance education course in 2006–07, enter 0.
- Include distance education courses offered at the undergraduate and graduate/first-professional levels. Dual-level
  courses (i.e., courses that can be taken for either undergraduate or graduate courses) should be reported as
  undergraduate courses, and enrollments for these courses should be counted as undergraduate enrollments.

1.	. In 2006–07 (12-month academic year), did your institution offer <b>any distance education</b> courses? <i>Include credit and noncredit distance education courses.</i> See instruction box above.				
	Yes 1 (Continue	with question 2.) No	2 (Complete front page	ge and return questionnaire.)	
2.	In 2006–07 (12-month acader education courses? See instruc	nic year), did your institution oction box above.	offer any college-level, c	redit-granting distance	
	Yes 1 (Contin	ue with question 3.) No	2 (Skip to question	15.)	
I.	Online Courses				
3.	In 2006–07 (12-month academic formally designated as online online courses. See instruction by	courses? Do not include course			
	Yes 1 (Continue	with question 4.) No	2 (Skip to question 6.	)	
4.	Please report the number of <b>o</b> 2006–07. <i>Do <b>not</b> include course</i>				
	Online credit-granting courses (2006–07)	Total (undergraduate and graduate)	Undergraduate (including dual-level)	Graduate/ first-professional	
	a. Number of courses				
	b. Number of enrollments				
5.	OR b. Other criterion, if no n		e online:%	online courses. Give one	
	Criterion:				
II.	Hybrid/Blended Online Coul	ses			
6.	In 2006–07 (12-month acader education courses that are <b>form</b> refer to a combination of online enhanced in-class courses that of	ally designated as hybrid/blend and in-class instruction with red	led online courses? Hybr	id/blended online courses	
	Yes 1 (Continue	with question 7.) No	2 (Skip to ques	stion 8.)	
7.	Please report the number of col as hybrid/blended online cour				
	Hybrid/blended online, credit- granting courses (2006–07)	Total (undergraduate and graduate)	Undergraduate (including dual-level)	Graduate/ first-professional	
	a. Number of courses				
	b. Number of enrollments				

#### III. All Other Distance Education Courses

8.	In 2006-07 (12-month academic year), did your institution offer any other college-level, credit-granting distance
	education courses; i.e., apart from the online and hybrid/blended online courses reported in questions 3 through 7?
	See instruction box on previous page.

9. Please report the number of **other** types of college-level, credit-granting **distance education courses** offered by your institution in 2006–07 and the enrollment in those courses. Do **not** include the online or hybrid/blended online courses reported in questions 3 through 7. See instruction box on previous page.

Other types of distance education courses (2006–07)	<b>Total</b> (undergraduate and graduate)	Undergraduate (including dual-level)	Graduate/ first-professional
a. Number of courses			
b. Number of enrollments			

#### IV. Degree or Certificate Programs Designed to be Completed Totally Through Distance Education

10. In 2006–07 (12-month academic year), did your institution have any college-level **degree or certificate programs** designed to be completed **totally** through distance education? *Include online and other modes of distance education.* 

Include only degree or certificate programs that are based on credit-granting courses. Include programs that may require a small amount of on-campus course or lab work, clinical work in hospitals, or similar arrangements, and baccalaureate degree completion programs.

11. How many different college-level **degree or certificate programs** designed to be completed **totally** through distance education did your institution offer in 2006–07?

College-level distance education degree and certificate	Underg	raduate	Graduate/first-professional			
programs based on credit-granting courses (2006–07)	Degree	Certificate	Degree	Certificate		
Number of programs						

#### V. Other Distance Education Topics

12. To what extent do the following factors affect your institution's decisions regarding **college-level, credit-granting distance education** offerings? (Circle one on each line.)

	Factor	Not at all	Minor extent	Moderate extent	Major extent
а	Seeking to increase student enrollment	1	2	3	4
b	Making more courses available	1	2	3	4
C	Making more degree programs available	1	2	3	4
d	. Making more certificate programs available	1	2	3	4
е	Meeting student demand for flexible schedules	1	2	3	4
f.	Providing access to college for students who otherwise would not have access (e.g., because of geographic, family, or work-related reasons)	1	2	3	4
g	Responding to the needs of employers/business	1	2	3	4
h	. Maximizing the use of existing college facilities	1	2	3	4
i.	Meeting student demand for reduced seat time	1	2	3	4
j.	Other factor (Specify)	1	2	3	4



13. To what extent did your institution use the following technologies for the **instructional delivery** of **college-level**, **credit-granting** distance education courses in 2006–07? *Include online and other modes of distance education*. (Circle one on each line.)

	Technology	Not at all	Small extent	Moderate extent	Large extent
a.	Asynchronous Internet-based technologies	. 1	2	3	4
b.	Synchronous Internet-based technologies	. 1	2	3	4
C.	Two-way interactive video (i.e., two-way video with two-way audio)	. 1	2	3	4
d.	One-way prerecorded video (including prerecorded videos provided to students, and television broadcast and cable transmission using prerecorded videos)	. 1	2	3	4
e.	One-way video with two-way audio (e.g., interactive television)	. 1	2	3	4
f.	One-way audio transmission (e.g., podcasting, radio broadcasts, and prerecorded audiotapes provided to students)	. 1	2	3	4
g.	Correspondence only (print-based documents exchanged via postal delivery or email)	. 1	2	3	4
h.	Correspondence combined with the use of distance education technology such as CD-ROM	1	2	3	4
i.	Other technology (Specify)	1	2	3	4
	w often in the last 3 years has your institution received requests abilities in your college-level, credit-granting distance education co	•		ations for stu	udents with
ı	Never 1 Occasionally 2 Frequently	3	Don't know.	4	
15. Die	d your institution offer any academic distance education courses for e	_	/secondary (Skip to que		2006–07?

16. Did your institution offer the following types of distance education courses for **elementary or secondary students** during the 2006–07 academic year? *Include online and other modes of distance education. (Circle one on each line.)* 

	Distance education course for elementary/secondary students	Yes	No
a.	Advanced Placement or International Baccalaureate courses	1	2
b.	Other academic high school courses	1	2
C.	Academic courses for elementary or middle school students	1	2

17. In the 2006–07 academic year, did your institution offer any **noncredit distance education courses**? Do **not** include academic courses for elementary/secondary students as noncredit.

Yes	(1		No	2
1 63		111/	140	

18. In the 2006–07 academic year, did your institution **acquire or develop** its distance education courses in the following ways? *Include online and other modes of distance education. Include academic courses for elementary/secondary students as credit-granting courses.* 

- If your institution has **credit-granting** distance education courses (i.e., you answered "yes" to question 2 **or** question 15), check here and complete column 1.
- If your institution has **noncredit** distance education courses (i.e., you answered "yes" to question 17), check here and complete column 2.

	Means of acquisition/development     Developed by your institution  Developed in collaboration with other postsecondary institutions	1. Credit	courses	2. Noncredit course	
		Yes	No	Yes	No
a.	Developed by your institution	1	2	1	2
b.	Developed in collaboration with <b>other</b> postsecondary institutions	1	2	1	2
C.	Acquired from another postsecondary institution	1	2	1	2
d.	Acquired from a commercial vendor	1	2	1	2
e.	Acquired in some other way(s) (Specify)	1	2	1	2