Santiago Canyon College
Distance Education: Participation, Demographics & Course Success

Compiled by the RSCCD Research Department, September 2011

Santiago Canyon College offers over 50 web-based sections each semester. As this type of learning gains in popularity and during severe budget crisis, it is important to continually assess enrollments and outcomes so that we may remain current with the course variety and content needs of our community and the students we serve. In this publication details four semesters (Fall 2007-2010) of online course offering at SCC as compared to the traditional classroom delivery, including number of sections offered, student demographics, course success and retention.

Summary of Findings

Distance Education Offerings

Overall, the number of sections offered online has increased (+13% since 2007). Similarly, the number of students enrolling in web-based sections has increased significantly (as has the number of classes each of those students is enrolled in). Distance education offering, like any other courses at SCC, has been under scrutiny since the State's budget crisis.

Santiago Canyon College Distance Education Sections Offered, Headcount and Enrollments			
	Web-Based Classes		
Semester	# Section Offered	Headcount (unduplicated)	Enrollments
Fall 2010	52	1502	2002
Fall 2009	56	1860	2882
Fall 2008	60	1850	2129
Fall 2007	40	1329	1324

Demographics

- Fall 2010 distance education headcount increased 13% over Fall 2007.
- The largest group of students who enroll in web-based classes are 17-21 years of age (nearly half); 73% of distance education students at SCC are 25 years of age or younger. These trends are steady over time.
- Slightly more females than males enroll in web-based classes at SCC.
- Distance education students at SCC are ethnically representative of the student body at large.

Santiago Canyon College Demographics of Students Enrolled in Web-Based Classes				
	Fall 2007 **n=1329**	**Fall 2008** **n=1850**	**Fall 2009** **n=1860**	**Fall 2010** **n=1502**
Age				
17-21	51%	52%	57%	49%
22-25	21%	19%	18%	24%
26-29	9%	10%	8%	9%
30-39	13%	10%	8%	10%
40-49	5%	6%	6%	5%
50+	3%	3%	2%	3%
Ethnicity				
Native American	1%	1%	1%	1%
African American	3%	2%	2%	3%
Latino	26%	28%	26%	26%
Asian	10%	9%	8%	8%
Pacific Islander	1%	1%	1%	1%
White	49%	49%	49%	48%
Filipino	2%	3%	2%	2%
Other	4%	5%	5%	10%
Decline to State	5%	3%	5%	2%
Gender				
Female	49%	45%	52%	54%
Male	36%	41%	48%	46%
Decline to State	15%	14%	0%	0%

Enrollments and Course Success Rates

> ➢ Across the four fall semesters of study (2007, 2008, 2009 and 2010), course success rates in distance education are slightly lower than those in traditional classrooms (48% to 56% vs. 57% to 67%).
> ➢ There are very few courses where students performed comparably in distance education sections to those taught in a traditional classroom setting in a few subject areas, including. However, they are not consistent throughout the four semester studied. Because some of the distance education course offerings have small enrollment, comparison to their larger enrollment counterparts should be used with care.
> ➢ Distance education courses also have lower retention rates than traditional classrooms. Detailed success rates (by subject/course) are included below.

Subject	Course	Online Delivery			Traditional Delivery		
		Course Enrollment	Course Success (A,B,C,CR)	Course Retention	Course Enrollment	Course Success (A,B,C,CR)	Course Retention
accounting	101	31	32%	45%	133	55%	65%
	102	61	67%	79%			
business	100	33	39%	85%	136	57%	68%
	120	14	36%	86%	25	60%	68%
	130	35	37%	69%	46	65%	70%
	150	55	51%	76%			
	170	30	73%	97%			
	171	30	33%	57%			
	172	20	30%	30%			
computer info. systems	101	16	38%	50%	22	64%	64%
computer science	100	81	56%	86%	180	74%	84%
counseling	116	50	50%	64%	456	71%	85%
French	101	34	47%	50%	31	65%	68%
	102	16	56%	56%			
history	121	40	15%	52%	326	49%	74%
human development	107	56	57%	70%	167	61%	75%
	110	43	44%	53%			
library and info. studies	100	25	52%	72%			
	103	8	63%	62%			
management	120	19	21%	74%	14	50%	50%
	135	39	62%	64%			
marketing	112	26	73%	92%			
	113	30	63%	87%			
	115	69	52%	64%			
	172	16	38%	37%			
math	60	27	48%	56%	600	40%	69%
	105	37	46%	68%	155	64%	81%
	140	20	40%	45%	248	44%	59%
physical sci.	117	29	69%	90%			
political science	101	112	52%	78%	579	61%	77%
real estate	102	89	39%	74%			
	105	80	58%	67%			
sociology	100	106	58%	71%	170	73%	85%
SEMESTER TOTAL		**1377**	**50%**	**70%**	**3288**	**57%**	**75%**

Fall 2007 Comparison of SCC Online Course Delivery vs. Traditional Delivery
Enrollment, Success and Retention

Fall 2008 Comparison of SCC Online Course Delivery vs. Traditional Delivery Enrollment, Success, and Retention							
		Online Delivery			Traditional Delivery		
Subject	Course	Course Enrollment	Course Success (A,B,C,CR)	Course Retention	Course Enrollment	Course Success (A,B,C,CR)	Course Retention
accounting	101	41	54%	66%	165	56%	67%
	102	70	67%	84%			
astronomy	110	37	43%	49%	200	51%	79%
business	100	27	52%	81%	133	65%	84%
	120	24	75%	87%	19	53%	58%
	127	25	56%	92%			
	130	26	50%	92%	20	60%	95%
	150	89	66%	74%			
	170	35	60%	63%			
	171	23	44%	65%			
	172	15	27%	33%			
biology	209	28	54%	64%	71	73%	83%
computer info. systems	101	27	67%	74%	16	56%	62%
	130	19	37%	79%			
computer science	100	126	57%	72%	149	66%	79%
	105	35	69%	71%			
counseling	116	30	70%	83%	487	72%	85%
exercise science	100	36	47%	75%	44	75%	79%
	109	27	74%	81%	44	82%	86%
	111	39	80%	87%			
history	102	43	33%	58%	137	61%	82%
	120	42	62%	76%	279	58%	79%
	121	30	13%	33%	265	45%	71%
	133	24	13%	50%			
	162	29	38%	76%			
human development	107	88	46%	58%	150	62%	76%
	110	44	52%	66%			
library & info. studies	100	47	55%	77%			
management	120	23	39%	39%	7	29%	29%
	135	42	57%	69%			
marketing	112	22	73%	86%			
	113	28	79%	86%			
	115	23	70%	91%			
	172	19	42%	79%			
math	80	41	24%	46%	646	41%	71%
	105	37	57%	89%	182	68%	79%
	140	34	59%	73%	264	60%	80%
political science	101	109	44%	78%	630	68%	84%
psychology	100	83	39%	65%	507	61%	80%
	157	43	51%	74%	52	71%	90%
public works	61	33	64%	70%			
real estate	102	65	63%	78%			
	105	51	86%	98%			
	110	61	74%	79%			
sociology	100	95	65%	83%	206	69%	85%
theatre arts	100	45	64%	73%	59	88%	90%
SEMESTER TOTAL		1980	56%	73%	73%	60%	79%

Fall 2009 Comparison of SCC Online Course Delivery vs. Traditional Delivery Enrollment, Success and Retention							
		Online Delivery			Traditional Delivery		
Subject	**Course**	**Course Enrollment**	**Course Success (A,B,C,CR)**	**Course Retention**	**Course Enrollment**	**Course Success (A,B,C,CR)**	**Course Retention**
accounting	101	36	42%	61%	162	54%	69%
	102	57	67%	82%			
business	100	48	63%	85%	146	70%	82%
	120	22	73%	95%	32	81%	94%
	127	40	50%	60%			
	130	48	38%	85%	41	37%	78%
	150	98	65%	80%			
	170	38	47%	68%			
	171	39	46%	64%			
CIS	101	20	45%	60%	27	33%	48%
computer science	100	113	57%	84%	169	75%	90%
	105	46	65%	78%			
counseling	116	40	55%	72%	369	81%	94%
exercise science	100	47	62%	70%	55	84%	93%
	109	41	61%	85%	43	72%	79%
	111	53	62%	92%			
history	101	42	21%	40%	98	97%	
	102	45	33%	64%	98	62%	88%
	120	93	32%	54%	231	56%	83%
	121	103	12%	48%	131	42%	73%
	133	50	16%	60%			
	162	40	15%	35%			
human development	107	35	66%	83%	151	51%	58%
	110	40	40%	72%			
library and info. studies	100	40	53%	67%			
	103	30	50%	60%			
math	80	62	26%	61%	588	41%	68%
	105	40	83%	85%	185	61%	77%
management	120	21	57%	95%	12	58%	75%
	135	32	50%	62%			
marketing	112	37	73%	73%			
	113	38	76%	79%			
	114	39	64%	69%			
public works	61	30	77%	80%			
political science	101	130	55%	81%	535	68%	82%
psychology	100	88	63%	82%	456	60%	87%
	157	45	49%	69%	40	68%	80%
real estate	102	46	54%	70%			
	105	49	61%	71%			
	110	48	58%	65%			
sociology	100	94	49%	65%	192	76%	85%
theatre arts	100	63	57%	65%	57	90%	91%
SEMESTER TOTAL		**2166**	**51%**	**71%**	**71%**	**62%**	**80%**

		Online Delivery			Traditional Delivery		
Subject	**Course**	**Course Enrollment**	**Course Success (A,B,C,CR)**	**Course Retention**	**Course Enrollment**	**Course Success (A,B,C,CR)**	**Course Retention**
accounting	101	66	27%	50%	152	62%	74%
business	100	51	63%	78%	143	71%	92%
	120	27	26%	56%	28	68%	79%
	130	34	27%	73%	45	38%	82%
	150	84	52%	71%			
	170	37	43%	70%			
	171	37	38%	51%			
	175	38	50%	55%			
chemistry	209	26	35%	42%	87	71%	82%
CIS	101	28	36%	57%	37	41%	84%
computer science	100	80	55%	96%	162	62%	90%
	105	39	44%	85%			
counseling	116	81	47%	67%	352	77%	91%
economics	120	24	21%	54%	160	65%	77%
exercise science	111	40	63%	80%			
history	101	41	42%	63%	136	85%	94%
	102	39	39%	64%	88	76%	84%
	120	79	43%	66%	219	56%	75%
	121	91	23%	54%	125	65%	83%
	133	41	32%	56%			
	162	16	25%	37%			
human development	107	37	32%	70%	136	50%	72%
	110	34	44%	82%			
library and info. studies	100	35	54%	83%			
	103	27	52%	85%			
mathematics	80	74	16%	54%			
management	120	19	58%	74%	16	75%	87%
	135	37	41%	46%			
marketing	112	30	63%	77%			
	113	34	82%	82%			
political science	101	148	49%	84%	533	68%	83%
psychology	100	91	67%	77%	418	62%	86%
	157	53	79%	85%	42	74%	81%
real estate	102	44	55%	66%			
	105	45	80%	82%			
	110	46	59%	65%			
	114	39	72%	72%			
sociology	100	110	59%	65%	151	78%	87%
theatre arts	100	100	55%	68%	49	86%	90%
SEMESTER TOTAL		**2002**	**48%**	**69%**	**3079**	**67%**	**84%**

Fall 2010 Comparison of SCC Online Course Delivery vs. Traditional Delivery Enrollment, Success and Retention