

De Anza College Office of Institutional Research and Planning

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Subject: Psychology 001 and 004 Course Success Rates – 2009-10 to 2011-12

Overview

The Psychology Department asked for an analysis of success rates in PSYC001 – General Psychology, and PSYC004 – Abnormal Psychology, over the last 3 years comparing face-to-face and online sections of the same course. Special programs such as LinC and Honors sections of these PSYC courses were highlighted. Summer, fall, winter and spring quarters were tracked from 2009-10 to 2011-12.

Unduplicated student counts by ethnicity, gender, residency status, major, educational goal, and cumulative GPA were included. Overall success rates and success rates by ethnicity and gender over the three-year period were also included. Success is calculated on A, B, C and P grades while non success is D, F, and NP grades and Withdraw is W grades. Persistence rates were also calculated for PSYC001.

Student Enrollments

Table 1. Three-Year Enrollment by Course for PSYC001 and PSYC004

	2009-10		2010-11		2011-12		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
PSYCD001.	3,807	87%	3,350	85%	3,368	85%	10,525	86%
PSYCD004.	563	13%	583	15%	588	15%	1,734	14%
Total	4,370	100%	3,933	100%	3,956	100%	12,259	100%

Note: Totals may include students taking multiple courses or taking the same course more than once.

- In 2009-10, 4,370 students enrolled in PSYC001 or PSYC004, 3,933 students were enrolled in 2010-11, and 3,956 students were enrolled in both courses in 2011-12 for a total of 12,259 student enrollments over three-years.
- PSYC001 enrolled the highest number of students, 86% of enrollments compared to 14% for PSYC004.

Annual Success Rates

Table 2. Annual Success Rates for PSYC001 and PSYC004

		Pass		Did Not Pass		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
2009-10	PSYCD001.	2,723	72%	667	18%	417	11%	3,807	100%
	PSYCD004.	434	77%	75	13%	54	10%	563	100%
	Total	3,157	72%	742	17%	471	11%	4,370	100%
2010-11	PSYCD001.	2,360	70%	582	17%	408	12%	3,350	100%
	PSYCD004.	438	75%	71	12%	74	13%	583	100%
	Total	2,798	71%	653	17%	482	12%	3,933	100%
2011-12	PSYCD001.	2,417	72%	566	17%	385	11%	3,368	100%
	PSYCD004.	454	77%	84	14%	50	9%	588	100%
	Total	2,871	73%	650	16%	435	11%	3,956	100%

Note: Includes both face-to-face and online formats of both courses.

- PSYC004 exhibited higher success rates than PSYC001 over the three-year period with success rates above 75% for PSYC004 and above 70% for PSYC001.
- Average success rates for both courses were around 72% over the 3-year period.

Table 3. Annual Success Rates for PSYC001 and PSYC004 by Instructional Method

		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
2009-10	PSYCD001. Face_to_Face	2,486	73%	613	18%	315	9%	3,414	100%
	PSYCD001. Online	237	60%	54	14%	102	26%	393	100%
	PSYCD004. Face_to_Face	349	79%	56	13%	35	8%	440	100%
	PSYCD004. Online	85	69%	19	15%	19	15%	123	100%
2010-11	PSYCD001. Face_to_Face	2,279	71%	557	17%	366	11%	3,202	100%
	PSYCD001. Online	81	55%	25	17%	42	28%	148	100%
	PSYCD004. Face_to_Face	368	80%	52	11%	42	9%	462	100%
	PSYCD004. Online	70	58%	19	16%	32	26%	121	100%
2011-12	PSYCD001. Face_to_Face	2,294	72%	534	17%	346	11%	3,174	100%
	PSYCD001. Online	123	63%	32	16%	39	20%	194	100%
	PSYCD004. Face_to_Face	330	78%	62	15%	31	7%	423	100%
	PSYCD004. Online	124	75%	22	13%	19	12%	165	100%

- PSYC001 in the face-to-face format exhibited higher success rates than PSYC001 offered as an online course over all three years. The gap in success rates between online and face-to-face is between 9 and 16 percentage points.

- PSYC004 in the face-to-face format also exhibited higher success rates than PSYC004 offered as an online course over all three years. The gap in success rates between online and face-to-face is between 3 and 22 percentage points.

Table 4. Annual Success Rates for PSYC001 and PSYC004 by Instructional Method and Special Programs

			Success		Non Success		Withdrew		Total	
			Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
2009-10	PSYCD001. Face_to_Face	Regular	2,444	73%	610	18%	314	9%	3,368	100%
	PSYCD001. Face_to_Face	LinC	35	92%	3	8%			38	100%
	PSYCD001. Face_to_Face	Honors	7	88%			1	13%	8	100%
	PSYCD001. Online	Online	237	60%	54	14%	102	26%	393	100%
	PSYCD004. Face_to_Face	Regular	349	79%	56	13%	35	8%	440	100%
	PSYCD004. Online	Online	85	69%	19	15%	19	15%	123	100%
2010-11	PSYCD001. Face_to_Face	Regular	2,236	71%	553	18%	364	12%	3,153	100%
	PSYCD001. Face_to_Face	LinC	34	87%	4	10%	1	3%	39	100%
	PSYCD001. Face_to_Face	Honors	9	90%			1	10%	10	100%
	PSYCD001. Online	Online	81	55%	25	17%	42	28%	148	100%
	PSYCD004. Face_to_Face	Regular	366	80%	52	11%	42	9%	460	100%
	PSYCD004. Face_to_Face	Honors	2	100%					2	100%
2011-12	PSYCD001. Face_to_Face	Regular	2,248	72%	530	17%	342	11%	3,120	100%
	PSYCD001. Face_to_Face	LinC	24	83%	2	7%	3	10%	29	100%
	PSYCD001. Face_to_Face	Honors	22	88%	2	8%	1	4%	25	100%
	PSYCD001. Online	Online	123	63%	32	16%	39	20%	194	100%
	PSYCD004. Face_to_Face	Regular	324	78%	62	15%	30	7%	416	100%
	PSYCD004. Face_to_Face	Honors	6	86%			1	14%	7	100%
PSYCD004. Online	Online	124	75%	22	13%	19	12%	165	100%	

- The LinC and Honors sections of PSYC001 in the face-to-face format exhibited the highest success rates over all three years. With the average LinC success rate being 87%, the average Honors success rate being 89% and the average regular section being 72% over the 3-years.
- Honors sections of PSYC004 were offered in 2010-11 and 2011-12, these sections also exhibited higher success rates than the regular session.

Table 5. Annual Success Rates for PSYC001 and PSYC004 by Instructional Method and Gender

		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Female	PSYCD001. Face_to_Face	3,630	75%	673	16%	435	10%	4,738	100%
	PSYCD001. Online	285	59%	76	16%	117	25%	478	100%
	PSYCD004. Face_to_Face	634	81%	80	11%	64	8%	778	100%
	PSYCD004. Online	212	69%	43	15%	48	17%	303	100%
Male	PSYCD001. Face_to_Face	3,428	70%	855	19%	509	11%	4,792	100%
	PSYCD001. Online	156	63%	31	13%	57	24%	244	100%
	PSYCD004. Face_to_Face	413	77%	79	16%	39	8%	531	100%
	PSYCD004. Online	67	66%	15	15%	19	19%	101	100%

- In PSYC001 sections over the three-year period in the face-to-face format, females have a higher success rate than males, 75% for females compared to 70% for males. For online sections, male students exhibit higher success rates than females, 63% compared to 59%.
- In PSYC004 sections over the three-years in the face-to-face format, females have a higher success rate than males, 81% for females compared to 77% for males. For online sections, female students exhibit a slightly higher success rate than males, 69% compared to 66%.
- While withdrawal rates are higher for online than face-to-face courses, male and female students tend to withdraw from online sections of PSYC001 and PSYC004 at the same rate.

Table 6. Annual Success Rates for PSYC001 and PSYC004 by Instructional Method and Ethnicity

		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	PSYCD001. Face_to_Face	256	60%	99	27%	51	13%	406	100%
	PSYCD001. Online	22	52%	8	19%	12	29%	42	100%
	PSYCD004. Face_to_Face	18	60%	4	17%	7	23%	29	100%
	PSYCD004. Online	9	47%	5	26%	5	26%	19	100%
Asian	PSYCD001. Face_to_Face	3,127	78%	457	13%	323	9%	3,907	100%
	PSYCD001. Online	116	62%	23	12%	47	26%	186	100%
	PSYCD004. Face_to_Face	402	84%	45	10%	27	6%	474	100%
	PSYCD004. Online	99	76%	9	7%	22	18%	130	100%
Filipino	PSYCD001. Face_to_Face	533	65%	160	22%	92	12%	785	100%
	PSYCD001. Online	31	50%	12	21%	17	29%	60	100%
	PSYCD004. Face_to_Face	73	75%	13	15%	9	9%	95	100%
	PSYCD004. Online	15	52%	6	21%	7	28%	28	100%
Latino/a	PSYCD001. Face_to_Face	1,161	62%	429	25%	219	13%	1,809	100%
	PSYCD001. Online	71	49%	20	15%	48	36%	139	100%
	PSYCD004. Face_to_Face	131	63%	43	23%	28	14%	202	100%
	PSYCD004. Online	29	50%	17	29%	11	21%	57	100%
Native American	PSYCD001. Face_to_Face	78	71%	16	15%	13	15%	107	100%
	PSYCD001. Online	5	42%	4	33%	3	25%	12	100%
	PSYCD004. Face_to_Face	12	86%	2	14%			14	100%
	PSYCD004. Online	4	67%	1	17%	1	17%	6	100%
Pacific Islander	PSYCD001. Face_to_Face	46	56%	19	24%	15	20%	80	100%
	PSYCD001. Online			1	33%	2	67%	3	100%
	PSYCD004. Face_to_Face	7	58%	4	33%	1	8%	12	100%
	PSYCD004. Online	5	83%	1	17%			6	100%
White	PSYCD001. Face_to_Face	1,281	77%	214	14%	145	9%	1,640	100%
	PSYCD001. Online	131	70%	22	12%	33	19%	186	100%
	PSYCD004. Face_to_Face	314	84%	37	10%	24	7%	375	100%
	PSYCD004. Online	88	75%	12	12%	16	14%	116	100%
Unreported	PSYCD001. Face_to_Face	576	71%	134	18%	86	11%	796	100%
	PSYCD001. Online	65	68%	17	19%	12	13%	94	100%
	PSYCD004. Face_to_Face	90	83%	11	10%	7	6%	108	100%
	PSYCD004. Online	30	71%	7	17%	5	12%	42	100%
Total		8,825	72%	1,852	17%	1,288	11%	11,965	100%

Success Rates by Ethnicity (Continued)

- For PSYC001, African American (60%), Latino (62%) and Pacific Islander (56%) students in PSYC001 courses have the lowest success rates of all ethnic groups in face-to-face courses. Asian (78%) and White (77%) students exhibit the highest success rates in PSYC001.
- African American (52%), Latino (49%) and Native Americans (42%) exhibit the lowest success rates in online sections of PSYC001.
- For PSYC004, African American (60%), Latino (63%), and Pacific Islander (58%) students exhibit the lowest success rates in the face-to-face section of this course. Asian (84%), Native American (86%), White (84%) and Unreported (83%) exhibit the highest success rates.
- African American (47%) and Latino (50%) students exhibit the lowest success rates in online sections of this course.

Student Demographics

Table 5. Gender Distribution of PSYC001 and PSYC004 Students – 2009-10 to 2011-12

	Students	Percent
Female	5,541	53%
Male	5,053	47%
Total	10,594	100%

Note: Unduplicated student count.

- Females enroll in PSYC001 and PSYC004 at a higher rate (53%) than males (47%).

Table 6. Ethnic Distribution of PSYC001 and PSYC004 Students - 2009-10 to 2011-12

	Students	Percent
African American	443	4%
Asian	4,210	39%
Filipino	851	8%
Latino/a	1,915	19%
Native American	115	1%
Pacific Islander	90	1%
Unreported/Unknown	914	9%
White	2,056	19%
Total	10,594	100%

Note: Unduplicated student count.

- Students that identify as Asian make up 39% of PSYC001 and PSYC004 enrollment over the three-year period followed by White students at 19% and Latino students at 19%.

Table 7. Residency Status of PSYC001 and PSYC004 Students - 2009-10 to 2011-12

	Students	Percent
Resident	9,489	90%
US resident, non-CA resident	72	1%
Non-Resident, International	757	7%
AB540-Non-Resid Tuit Exmpt	159	1%
Non-Resident	132	1%
Total	10,609	100%

Note: Unduplicated student counts. Residency status may change resulting in duplicate counts for the same student.

- Students who are California residents make up 90% of total PSYC001 and PSYC004 enrollment while non-resident international students make up 7% and AB 540 students and non-residents make up 1% of total enrollment.

Table 8. Top 10 Majors of PSYC001 and PSYC004 Students - 2009-10 to 2011-12

	Students	Percent
Undecided	2,778	26%
Business Administration	1,057	10%
Registered Nurse	955	9%
Biological Sciences	955	9%
Lib Arts-Soc & Behavioral Sci	555	5%
Liberal Arts - Arts & Letters	339	3%
Child Development	307	3%
Lib Arts-Sci,Math&Engineering	269	2%
Law Enforcement	249	2%
Medical Assisting	224	2%

- Students enrolled in PSYC001 and PSYC004 are largely Undecided in their educational major (26%), followed by Business Administration (10%), Nursing (9%), and Biological Sciences (9%).

Table 9. Cumulative GPA of PSYC001 and PSYC004 Students - 2009-10 to 2011-12

	Students	Percent
0.0-1.5	1,270	13%
1.51-2.0	939	10%
2.01-2.5	1,507	15%
2.51-3.0	2,280	21%
3.01-3.5	2,356	22%
3.51-4.0	2,242	20%
Total	10,594	100%

Note: Includes unduplicated students' cumulative GPA over their career.

- 36% of students enrolled in PSYC001 and PSYC004 had a GPA between 2.0 and 3.0 while 42% had a GPA between 3.0 and 4.0.

Persistence Rates

Students who passed PSYC001 in fall 2011 and were continuously enrolled through spring 2012 were tracked.

Passed PSYC001 in Fall 2011	Enrolled in Winter 2012	Persistence Rate	Enrolled in Spring 2012	Persistence Rate
768	687	89%	625	81%

- 89% of students who passed PSYC001 in fall 2011 enrolled in winter 2012 and 81% continued enrollment through spring 2012.