



Research Brief

Institutional Learning Outcomes Result

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Overall ILO Mastery Rates

The following table describes the percentage of course and counseling SLOs that were mastered by ILO for the last five fall semesters. Cases where courses have more than one SLO mapped to different core competencies of the same ILO were counted only once per student enrolled in each class section. Beginning in Fall 2012, counseling program SLOs are included in the total assessment counts.

Table 1. ILO Mastery Rates, Fall 2011 – Fall 2016

ILO	Mastery Rate	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016
ILO #1: Personal Attributes	Course SLO Assessments	36,844	51,007	71,486	72,757	98,794	75,910
	Mastered SLO	31,974	44,113	61,060	61,963	84,785	66,592
	% Mastery Rate	86.8%	86.5%	85.4%	85.2%	85.8%	87.7%
ILO #2: Analytic & Communication Skills	Course SLO Assessments	59,549	84,806	110,951	107,294	101,388	110,607
	Mastered SLO	51,005	71,886	92,467	89,137	86,231	94,492
	% Mastery Rate	85.7%	84.8%	83.3%	83.1%	85.1%	85.4%
ILO #3: Applied Social Knowledge & Values	Course SLO Assessments	28,038	43,831	51,776	47,993	43,346	49,669
	Mastered SLO	24,208	37,640	44,655	41,614	37,439	43,423
	% Mastery Rate	86.3%	85.9%	86.2%	86.7%	86.4%	87.4%
ILO #4: Applied Knowledge and Valuation of the Physical World	Course SLO Assessments	14,617	24,429	26,996	28,586	50,323	27,502
	Mastered SLO	12,589	21,021	23,207	24,386	44,460	23,829
	% Mastery Rate	86.1%	86.0%	86.0%	85.3%	88.3%	86.6%
ILO #5: Authentic Engagement	Course SLO Assessments	NA	NA	12,570	23,692	27,514	28,650
	Mastered SLO	NA	NA	11,150	20,661	24,926	25,575
	% Mastery Rate	NA	NA	88.7%	87.2%	90.6%	89.3%

ILO #1 Mastery Rates by Core Competency

The following table describes the percentage of course and counseling SLOs that were mastered by core competency for ILO #1 (Personal Attributes).

Table 2. Core Competency Mastery Rates for ILO #1, Fall 2011 – Fall 2016

Core Competency	Mastery Rate	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016
Core Competency #1: Self-discipline	Course SLO Assessments	33,153	45,763	57,059	53,365	51,766	54,262
	Mastered SLO	28,653	39,520	48,883	45,273	44,616	47,179
	% Mastery Rate	86.4%	86.4%	85.7%	84.8%	86.2%	86.9%
Core Competency #2: Academic Honesty	Course SLO Assessments	27,548	39,836	52,138	45,832	41,948	44,569
	Mastered SLO	23,715	34,212	44,790	38,875	36,037	38,448
	% Mastery Rate	86.1%	85.9%	85.9%	84.8%	85.9%	86.3%
Core Competency #3: Teamwork & Interpersonal Skills	Course SLO Assessments	23,317	29,505	38,797	37,398	36,527	38,250
	Mastered SLO	20,648	25,903	33,937	32,344	32,046	33,487
	% Mastery Rate	88.6%	87.8%	87.5%	86.5%	87.7%	87.5%
Core Competency #4: Self-Confidence	Course SLO Assessments	2,985	11,431	92,217	88,163	87,415	94,012
	Mastered SLO	2,418	10,151	78,621	75,173	75,878	81,163
	% Mastery Rate	81.0%	88.8%	85.3%	85.3%	86.8%	86.3%

ILO #2 Mastery Rates by Core Competency

The following table describes the percentage of course and counseling SLOs that were mastered by core competency for ILO #2 (Analytic and Communication Skills).

Table 3. Core Competency Mastery Rates for ILO #2, Fall 2011 – Fall 2016

Core Competency	Mastery Rate	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016
Core Competency #5: Content Knowledge	Assessments	52,699	74,022	44,639	42,892	40,038	41,329
	Mastered	44,824	63,025	38,584	36,695	34,674	35,672
	% Mastered	85.1%	85.1%	86.4%	85.6%	86.6%	86.3%
Core Competency #6: Information Literacy	Assessments	22,135	31,237	45,379	40,630	37,046	41,128
	Mastered	19,455	26,908	38,470	34,242	31,558	34,947
	% Mastered	87.9%	86.1%	84.8%	84.3%	85.2%	85.0%
Core Competency #7: Skills (lab, CTE, etc.)	Assessments	23,917	33,886	30,642	30,826	30,295	29,731
	Mastered	20,424	28,996	26,683	26,356	26,308	25,731
	% Mastered	85.4%	85.6%	87.1%	85.5%	86.8%	86.5%
Core Competency #8: Technology Literacy	Assessments	15,270	19,481	26,020	24,747	22,887	24,292
	Mastered	13,452	16,988	23,191	21,925	20,375	21,466
	% Mastered	88.1%	87.2%	89.1%	88.6%	89.0%	88.4%
Core Competency #9: Aesthetic Engagement	Assessments	8,966	12,553	35,216	36,466	30,992	32,875
	Mastered	8,115	11,172	28,890	29,611	25,685	27,218
	% Mastered	90.5%	89.0%	82.0%	81.2%	82.9%	82.8%
Core Competency #10: Quantitative Reasoning	Assessments	15,653	19,284	84,703	82,982	77,886	86,324
	Mastered	13,596	16,585	69,971	68,247	65,827	73,452
	% Mastered	86.9%	86.0%	82.6%	82.2%	84.5%	85.1%
Core Competency #11: Critical Thinking	Assessments	47,844	65,311	82,982	74,968	70,575	76,396
	Mastered	40,774	55,205	69,932	62,955	59,996	65,383
	% Mastered	85.2%	84.5%	84.3%	84.0%	85.0%	85.6%
Core Competency #12: Oral and Written Comm. Skills	Assessments	45,818	64,504	43,214	40,476	38,374	39,706
	Mastered	39,330	55,090	36,989	34,893	33,385	34,538
	% Mastered	85.8%	85.4%	85.6%	86.2%	87.0%	87.0%

ILO #3 Mastery Rates by Core Competency

The following table describes the percentage of course and counseling SLOs that were mastered by core competency for ILO #3 (Applied Social Knowledge and Values).

Table 4. Core Competency Mastery Rates for ILO #3, Fall 2011 – Fall 2016

Core Competency	Mastery Rate	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016
Core Competency #13: Comparative & Global Perspective	Course SLO Assessments	24,376	37,647	44,903	40,500	39,315	41,879
	Mastered SLO	20,938	32,141	38,515	34,812	34,194	36,407
	% Mastery Rate	85.9%	85.4%	85.6%	86.0%	87.0%	86.9%
Core Competency #14: Contemporary Significance	Course SLO Assessments	24,639	36,606	5,190	4,511	4,044	4,320
	Mastered SLO	21,212	31,356	4,609	3,895	3,562	3,774
	% Mastery Rate	86.1%	85.7%	88.8%	86.3%	88.1%	87.4%
Core Competency #15: Service Learning/Community	Course SLO Assessments	2,469	2,257	9,088	11,991	11,995	11,373
	Mastered SLO	2,334	2,094	7,435	9,486	9,986	9,277
	% Mastery Rate	94.5%	92.8%	81.8%	79.1%	83.3%	81.6%

ILO #4 Mastery Rates by Core Competency

The following table describes the percentage of course and counseling SLOs that were mastered by core competency for ILO #4 (Applied Knowledge and Valuation of the Physical World).

Table 5. Core Competency Mastery Rates for ILO #4, Fall 2011 – Fall 2016

Core Competency	Mastery Rate	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016
Core Competency #16: Scientific Earth	Course SLO Assessments	4,734	6,468	17,518	20,363	18,963	19,765
	Mastered SLO	4,053	5,303	15,206	17,635	16,554	17,258
	% Mastery Rate	85.6%	82.0%	86.8%	86.6%	87.3%	87.3%
Core Competency #17: Human Impact	Course SLO Assessments	9,229	16,116	2,883	2,678	2,325	2,220
	Mastered SLO	8,076	14,024	2,491	2,226	2,024	1,867
	% Mastery Rate	87.5%	87.0%	86.4%	83.1%	87.1%	84.1%
Core Competency #18: Service Learning – Environ.	Course SLO Assessments	848	786	15,189	15,145	14,617	13,957
	Mastered SLO	829	712	13,091	12,708	12,519	11,931
	% Mastery Rate	97.8%	90.6%	86.2%	83.9%	85.6%	85.5%
Core Competency #19: Environ. Attitudes, Values...	Course SLO Assessments	7,699	12,391	6,267	34,856	4,722	4,870
	Mastered SLO	6,643	10,669	5,398	29,769	4,090	4,206
	% Mastery Rate	86.3%	86.1%	86.1%	85.4%	86.6%	86.4%
Core Competency #20: Optimizes Use of Resources	Course SLO Assessments	1,145	2,625	30,557	34,856	34,846	36,108
	Mastered SLO	1,157	2,259	26,182	29,769	30,814	32,054
	% Mastery Rate	80.1%	86.1%	85.7%	85.4%	87.7%	88.8%

ILO #5 Mastery Rates by Core Competency

The following table describes the percentage of course and counseling SLOs that were mastered by core competency for ILO #5 (Authentic Engagement).

Table 6. Core Competency Mastery Rates for ILO #5, Fall 2011 – Fall 2016

Core Competency	Mastery Rate	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016
Core Competency #21: Interest	Course SLO Assessments	NA	NA	9,865	14,062	13,289	13,324
	Mastered SLO	NA	NA	8,572	11,921	11,638	11,338
	% Mastery Rate	NA	NA	86.9%	84.8%	87.6%	85.1%
Core Competency #22: Values Academic Task	Course SLO Assessments	NA	NA	9,810	17,545	18,259	19,049
	Mastered SLO	NA	NA	8,723	15,231	16,551	17,106
	% Mastery Rate	NA	NA	88.9%	86.8%	90.6%	89.8%
Core Competency #23: Self-Efficacy	Course SLO Assessments	NA	NA	9,389	17,139	19,286	20,066
	Mastered SLO	NA	NA	8,338	14,871	17,460	18,090
	% Mastery Rate	NA	NA	88.8%	86.8%	90.5%	90.2%
Core Competency #24: Professional Relevance	Course SLO Assessments	NA	NA	NA	16,671	19,543	20,587
	Mastered SLO	NA	NA	NA	14,290	17,605	18,092
	% Mastery Rate	NA	NA	NA	85.7%	90.1%	87.9%

In Fall 2016, a total of 17 instructional departments (see list below) assessed course SLOs mapped to ILO #5 (Authentic Engagement), an increase of 1 department when compared to the Fall 2015 semester.

- Art
- Business
- Communications
- Cosmetology
- Counseling
- Dance
- Disabled Student Center
- Earth Science
- Education/ECE
- English
- Health Science
- Life Science
- Math
- Music
- Philosophy/Social Science
- Photo – Fashion
- Physical Science
- Theatre Arts

In Fall 2016, a total of 17 different counseling programs had SLOs mapped to ILO #5, including:

- African American/Black Collegians Center
- Associated Students
- Athletics
- CalWorks
- General Counseling
- DSPS
- EOPS
- International Student Center
- Latino Center/Adelante
- Noncredit ESL
- Nursing
- Outreach & Recruitment
- Pico Promise
- Scholars
- TRIO
- Veterans
- Welcome Center