

Using CCSSE to Assess Skyline's iSLOs

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Community College Survey for Student Engagement (CCSSE) in General

- Measures student engagement on a variety of dimensions
- Asks questions about institutional perceptions as well as student behaviors
- Useful for benchmarking and as a diagnostic tool
- Survey items can be viewed at:
 - <http://www.skylinecollege.edu/prie/feedback.php>



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CCSSE & iSLOs

- Can be used as a proxy for achievement of institutional SLOs
- Benefits: data already available, custom scales can be crafted from 91 content items
- Caveats: self-reported, indirect measure not directly designed to assess SLOs



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The Process

- CCSSE conducted at Skyline in Spring 2012
- Sample of over 800 valid responses to same survey questions used in 2008
- Item analysis conducted in 2008 and carried over to 2012, selecting 4 to 16 items per iSLO
- David converts data into 0 – 100 scales and analyzes in Spring 2013



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Skyline's iSLOs

- Citizenship
- Critical Thinking
- Effective Communication
- Information & Computer
Technology Literacy
- Lifelong Wellness



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Overall Results

Table 1b - iSLO Scale Score Summaries

iSLO	Mean Score
Citizenship	44.1
Critical Thinking	55.6
Effective Communication	49.9
Information & Computer Literacy	63.1
Lifelong Wellness	56.1



Citizenship iSLO - 15 Survey Items (1)

- Worked with other students during class
- Worked with classmates outside of class to prepare class assignments
- Tutored or taught other students
- Discussed ideas with others outside of class
- Had serious conversations with students of different race/ethnicity
- Had serious conversations with students who differ in religious / political / personal values



Citizenship iSLO - 15 Survey Items (2)

- Internship / field / co-op experience
- College encourages contact among students from different economic / social / ethnic groups
- College provides support you need to thrive socially
- Participation in college-sponsored activities



Citizenship iSLO - 15 Survey Items (3)

- Experience at college contributes to:
 - Acquiring a broad general education
 - Working effectively with others
 - Understanding people of other racial & ethnic backgrounds
 - Developing a personal code of values & ethics
 - Contributing to the welfare of your community



Citizenship iSLO Results

Table 2b - Citizenship iSLO - Derived Scaled Score Responses

Score Range	Count	% of Total	Cumulative %
Over 80	11	1%	1%
70 to 79	50	6%	7%
60 to 69	89	11%	18%
50 to 59	164	20%	38%
40 to 49	175	21%	60%
30 to 39	176	22%	81%
Under 30	151	19%	100%
Total	816	100%	100%



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Critical Thinking

SLO – 11 Items (1)

- Asked questions in class / contributed in class discussions
- Made a class presentation
- Worked on paper or project requiring integrating ideas / info from various sources
- Experience at college contributed to:
 - Thinking critically and analytically
 - Solving numerical problems



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Critical Thinking

SLO – 11 Items (2)

- Coursework at the college emphasizes:
 - Memorizing facts, ideas, or methods
 - Analyzing the basic elements of an idea / theory
 - Synthesizing and organizing ideas, info, experiences
 - Making judgments about value or soundness of information / arguments / methods
 - Applying theories / concepts to practical problems
 - Using information you have read / heard to perform a new skill



Critical Thinking iSLO Results

Table 3b - Critical Thinking iSLO - Derived Scaled Score Responses

Score Range	Count	% of Total	Cumulative %
Over 80	56	7%	7%
70 to 79	134	16%	23%
60 to 69	161	19%	42%
50 to 59	173	21%	63%
40 to 49	160	19%	82%
30 to 39	99	12%	93%
Under 30	55	7%	100%
Total	838	100%	100%



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Effective Comm.

SLO – 8 Items (1)

- Asked questions in class / contributed in class discussions
- Made a class presentation
- Prepared two or more drafts of paper / assignment before turning it in
- Worked on a paper or project that required integrating ideas or information from various sources



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Effective Comm. SLO – 8 Items (2)

- Discussed ideas from your readings or classes with instructors outside of class
- Discussed ideas with others outside of class
- Experience at this college contributed to:
 - Writing clearly and effectively
 - Speaking clearly and effectively



Critical Thinking iSLO Results

Table 4b - Effective Communication iSLO - Derived Scaled Score Responses

Score Range	Count	% of Total	Cumulative %
Over 80	38	5%	5%
70 to 79	101	12%	17%
60 to 69	106	13%	29%
50 to 59	206	25%	54%
40 to 49	133	16%	70%
30 to 39	108	13%	82%
Under 30	147	18%	100%
Total	839	100%	100%



Info & Comp. Tech SLO – 4 Items

- Used the internet or instant messaging to work on an assignment
- Used email to communicate with an instructor
- College emphasizes using computers in academic work
- Experience at this college contributed to using computing and information technology



Info & Comp. Tech iSLO Results

**Table 5b - Information & Computer Technology Literacy iSLO -
Derived Scaled Score Responses**

Score Range	Count	% of Total	Cumulative %
Over 80	219	26%	26%
70 to 79	110	13%	39%
60 to 69	129	15%	54%
50 to 59	193	23%	77%
40 to 49	69	8%	86%
30 to 39	52	6%	92%
Under 30	70	8%	100%
Total	842	100%	100%



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Lifelong Wellness

iSLO -16 Items (1)

- Asked questions in class / contributed in class discussions
- Come to class without completing readings / assignments
- Discussed grades / assignments w/instructor
- Talked about career plans with an instructor or advisor
- Discussed ideas from readings / classes with instructors outside of class



Lifelong Wellness

iSLO -16 Items (2)

- Skipped Class
- College emphasizes:
 - Providing support you need to help you succeed
 - Helping you cope with your non-academic responsibilities
- Hours spent preparing for class



Lifelong Wellness

iSLO -16 Items (3)

- Quality of relationships at college with:
 - Other Students
 - Instructors
 - Administrative Personnel / Offices
- Experience at college contributes to:
 - Learning effectively on your own
 - Understanding yourself
 - Developing clear career goals
 - Gaining information about career opportunities



Lifelong Wellness iSLO Results

Table 6b - Lifelong Wellness iSLO - Derived Scaled Score Responses

Score Range	Count	% of Total	Cumulative %
Over 80	68	8%	8%
70 to 79	101	12%	21%
60 to 69	171	21%	42%
50 to 59	189	23%	65%
40 to 49	163	20%	85%
30 to 39	94	12%	96%
Under 30	31	4%	100%
Total	817	100%	100%



Comparing 2012 and 2008 Results

- Overall comparison
 - Means for each iSLO
- iSLO comparisons
 - Percentages for score ranges



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Overall Comparison

Table 1c - iSLO Mean Score Differences

iSLO	2008	2012	Difference
Citizenship	42.9	44.1	1.2
Critical Thinking	55.0	55.6	0.6
Effective Communication	50.3	49.9	-0.4
Information & Computer Literacy	60.7	63.1	2.4
Lifelong Wellness	54.7	56.1	1.4



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Citizenship iSLO Comparison

Table 2c - Citizenship Percent Differences

Score Range	2008	2012	Percent Difference
Over 80	1%	1%	0%
70 to 79	5%	6%	1%
60 to 69	11%	11%	0%
50 to 59	19%	20%	1%
40 to 49	22%	21%	-1%
30 to 39	23%	22%	-1%
Under 30	20%	19%	-1%



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Critical Thinking iSLO Comparison

Table 3c - Critical Thinking Percent Differences

Score Range	2008	2012	Percent Difference
Over 80	5%	7%	2%
70 to 79	17%	16%	-1%
60 to 69	19%	19%	0%
50 to 59	21%	21%	0%
40 to 49	19%	19%	0%
30 to 39	15%	12%	-3%
Under 30	5%	7%	2%



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Effective Comm. iSLO Comparison

Table 4c - Effective Communication Percent Differences

Score Range	2008	2012	Percent Difference
Over 80	5%	5%	0%
70 to 79	12%	12%	0%
60 to 69	13%	13%	0%
50 to 59	26%	25%	-1%
40 to 49	16%	16%	0%
30 to 39	13%	13%	-1%
Under 30	16%	18%	2%



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Info. & Comp. Tech. iSLO Comparison

Table 5c - Info. & Comp. Tech. Literacy Percent Differences

Score Range	2008	2012	Percent Difference
Over 80	22%	26%	4%
70 to 79	13%	13%	0%
60 to 69	14%	15%	1%
50 to 59	26%	23%	-3%
40 to 49	10%	8%	-2%
30 to 39	7%	6%	-1%
Under 30	9%	8%	-1%



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Lifelong Wellnes iSLO Comparison

Table 6c - Lifelong Wellness Percent Differences

Score Range	2008	2012	Percent Difference
Over 80	6%	8%	2%
70 to 79	12%	12%	0%
60 to 69	20%	21%	1%
50 to 59	25%	23%	-2%
40 to 49	20%	20%	0%
30 to 39	13%	12%	-1%
Under 30	5%	4%	-1%



Comparison Summary (Means)

- Overall
 - Increased on three iSLOs.
 - No change on two iSLOs.
- Increase
 - Citizenship (+1.2)
 - Info. & Comp. Tech (+2.4)
 - Lifelong Wellness (+1.4)
- No change
 - Critical Thinking
 - Effective Communication



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Comparison Summary (iSLO Score Ranges)

● Top 5 Increases

- Info. & Comp. Tech – Over 80 (+4%)
- Critical Thinking – Over 80 (+2%)
- Critical Thinking – Under 30 (+2%)
- Effective Comm. – Under 30 (+2%)
- Lifelong Wellness – Over 80 (+2%)

● Top 4 Decreases

- Critical Thinking – 30-39 (-3%)
 - Info. & Comp. Tech – 50-59 (-3%)
 - Info. & Comp. Tech – 40-49 (-2%)
 - Lifelong Wellness – 50-59 (-2%)
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- Citizenship - not represented here.



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Next Steps

- Discussion of scales
 - Do we have the right items?
 - Should they be weighted equally?
- General discussion
 - Are these results where we want them to be?
 - Over time and in 2012
 - What should future benchmark goals be?
 - Over time and in 2012
 - Do we need other ways of assessing iSLOs directly?