National Survey of Student Engagement (NSSE) 2013

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NSSE 2013WSU Participation

- ## What is NSSE?

  - Annual survey that collects data about student participation in activities and programs that promote learning & personal development

  - Results from NSSE can be used to identify aspects of the undergraduate experience that can be improved through changes in policies and practices

- ## NSSE is administered every other year (odd years) at WSU to first-year students and seniors, last administered in spring 2013

NSSE 2013WSU Participation

- For 2013, 1,254 and 3,305 email invitations to take NSSE were sent to first-year students and seniors, respectively

- Survey responses for first-year students totaled 262 (21%), and 842 for seniors (25%)
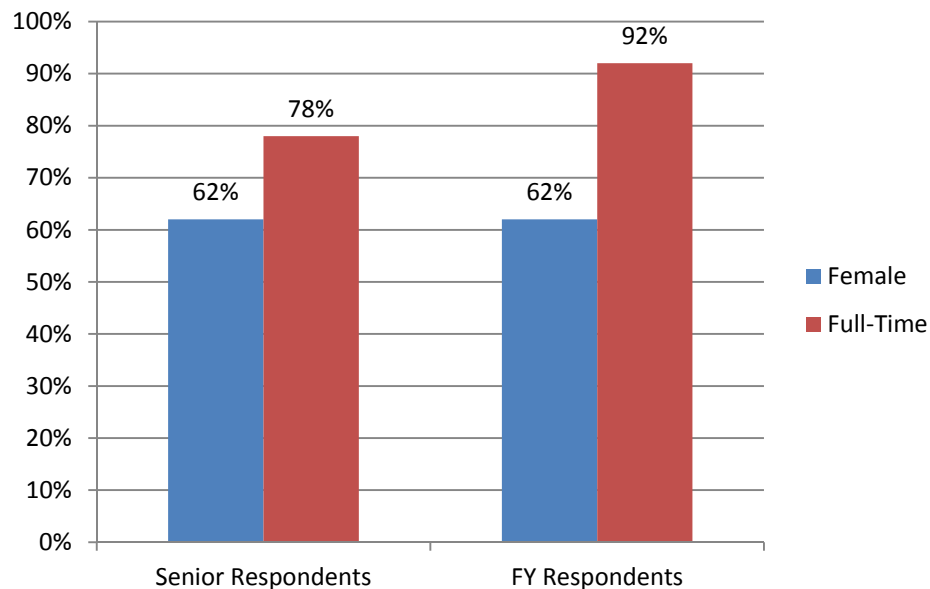
NSSE 2013 Participation

- 568 postsecondary institutions participated in NSSE 2013, with 335,702 students, 41% first-year students and 59% seniors
- Overall response rate was 30%, 27% for first-year students and 33% for seniors

NSSE 2013 WSU Participation
cont.

- First-year respondents were 62% female and 92% were enrolled full-time

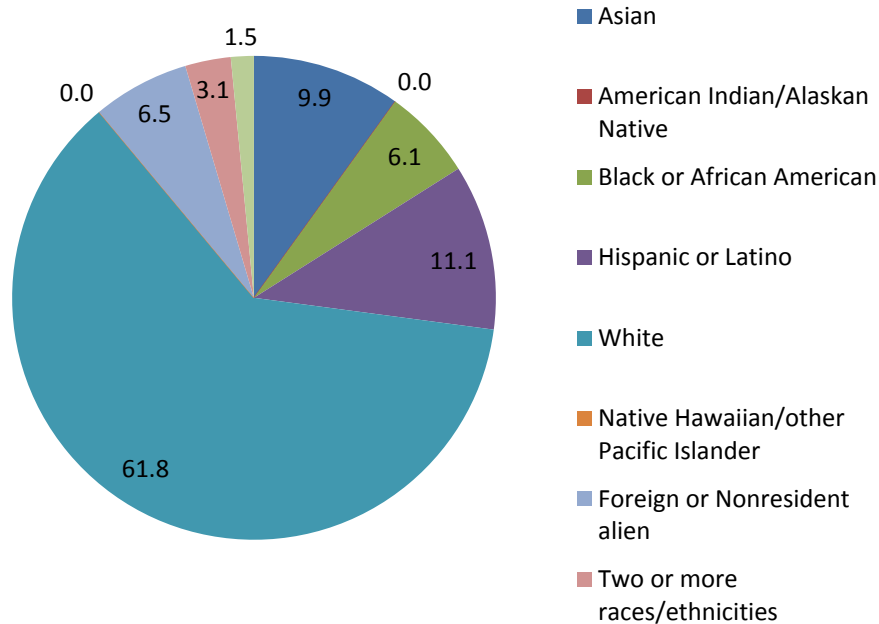- Senior respondents were also 62% female, and 78% were enrolled full-time

NSSE 2013 WSU Participation
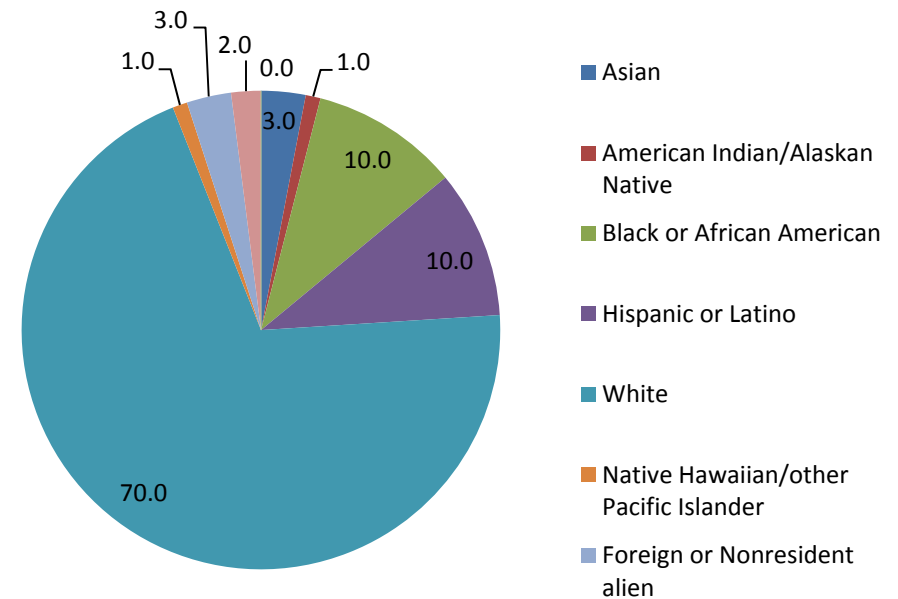## cont.

Freshmen Race/Ethnicity

WSU FY NSSE Participants
*0%=American Indian & Native Hawaiian

Asian: 9.9
American Indian/Alaskan Native: 0.0
Black or African American: 6.1
Hispanic or Latino: 11.1
White: 61.8
Native Hawaiian/other Pacific Islander: 0.0
Foreign or Nonresident alien: 6.5
Two or more races/ethnicities: 3.1
1.5

All NSSE Participants
*Unknown race not included

Asian: 3.0
American Indian/Alaskan Native: 1.0
Black or African American: 10.0
Hispanic or Latino: 10.0
White: 70.0
Native Hawaiian/other Pacific Islander: 1.0
Foreign or Nonresident alien: 3.0
Two or more races/ethnicities: 2.0
0.0

NSSE 2013 WSU Participation
cont.

- Seniors Race/Ethnicity

WSU Senior NSSE Participants

American Indian/Alaskan Ntv
Asian
Black or African American
Hispanic or Latino
Native Hawaiian/Other Pacific Islander
White
Foreign or Nonresident alien
Two or more races/ethnicities
Unknown

1.0%
4.3%
1.2%
4.5%
6.4%
5.8%
6.7%
0.5%
69.7%
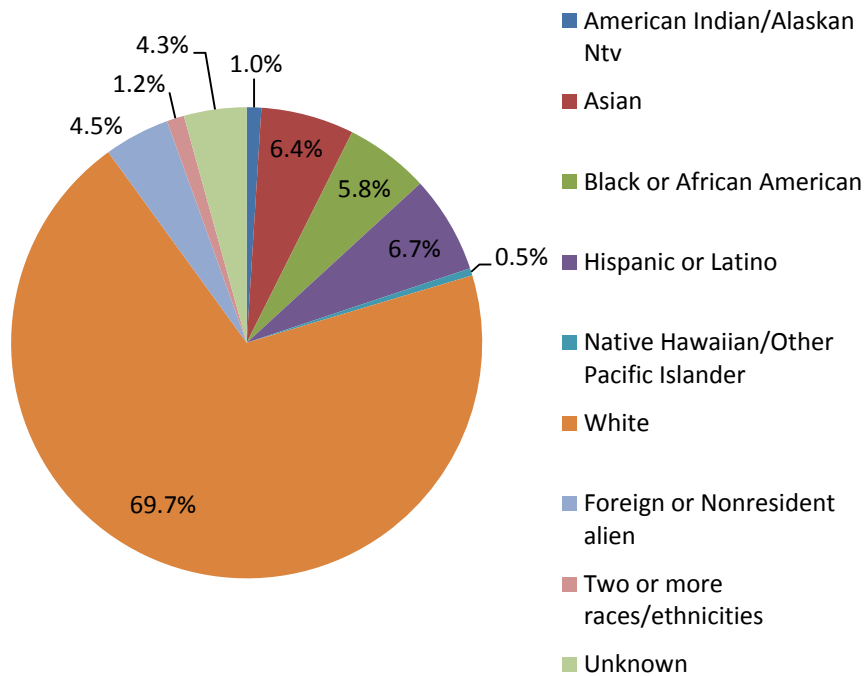
All NSSE Senior Respondents
*unknown race not included

American Indian/Alaskan Ntv
Asian
Black or African American
Hispanic or Latino
Native Hawaiian/Other Pacific Islander
White
Foreign or Nonresident alien
Two or more races/ethnicities

0.0
2.0
1.0
3.0
3.0
10.0
10.0
1.0
70.0
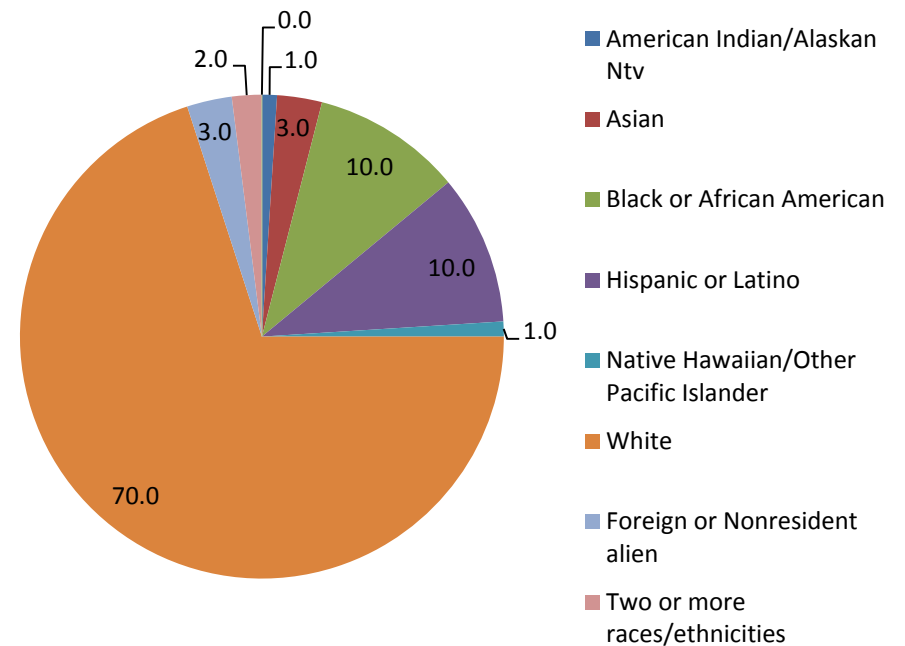
NSSE 2013 Participation

- Other demographics of all NSSE participants:
  - 29% were 24 years or older
  - 35% lived on campus
  - 46% were first generation college students
  - 34% began college at another institution other than where they took NSSE
- WSU Participants:
  - 38.2 were 24 years or older
  - 6% lived on campus
  - 43% were first generation college students
  - 46% began college at another institution other than where they took NSSE

Changes to NSSE 2013

- NSSE updated and revised the survey for 2013; 23% are new items, 22% were left unchanged, and 50% were modified, either a major or minor modification

Minor 28%

New 23%

No Change22%

Major 27%

New

No Change

Major Modification

Minor Modification
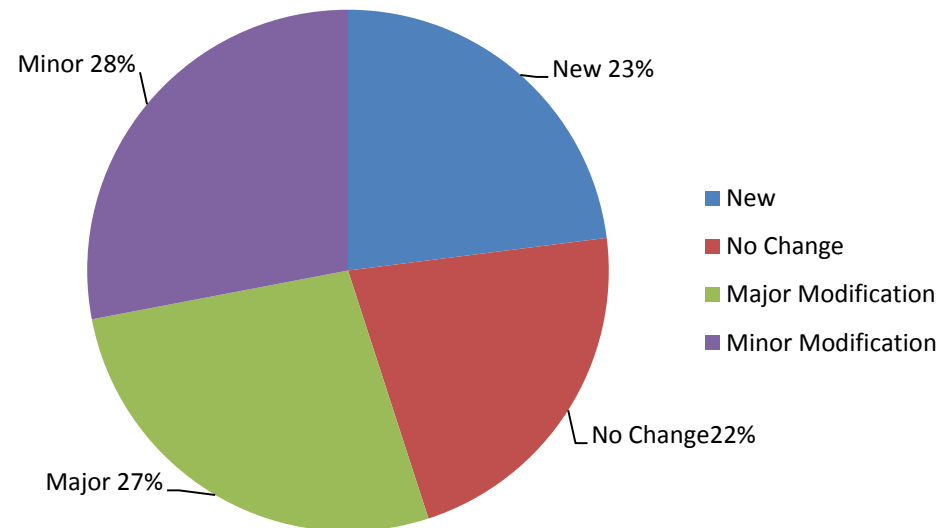
Changes to NSSE 2013

- Instead of using "benchmarks", NSSE is now using "Engagement Indicators and Measures of Participation in High Impact Practices"
- Longitudinal comparisons of individual questions & historical benchmarks are somewhat limited due to different scoring metrics and deletion of some survey items

Changes to NSSE 2013
cont.

- There are 10 different engagement indicators which fall under one of four "themes"

Theme	Engagement Indicator
Academic Challenge	Higher-Order Learning
	Reflective and Integrative Learning
	Learning Strategies
	Quantitative Reasoning
Learning with Peers	Collaborative Learning
	Discussions with Diverse Others
Experiences with Faculty	Student-Faculty Interaction
	Effective Teaching Practices
Campus Environment	Quality of Interactions
	Supportive Environment

NSSE Engagement Indicator Scoring

- Each Engagement Indicator is scored on a 60 point scale (never=0, sometimes=20, often=40, very often=60)

- Mean comparisons are given for each Engagement Indicator for WSU peer institutions (n=10), institutions with the same Carnegie Classification (Research University-High Research Activity, n=36) and all NSSE institutions (n=567)

WSU Peer Institutions

- Comparison peer institutions were selected by the President and the President's Executive Team and approved by the Kansas Board of Regents. WSU peer institutions are:
  - Florida Atlantic University (Boca Raton, FL)
  - Oakland University (Rochester Hills, MI)
  - Portland State University (Portland, OR)
  - University of Akron (Akron, OH)
  - University of Arkansas at Little Rock (Little Rock, AR)

WSU Peer Institutions

cont.

- WSU Peer Institutions continued:
  - University of Colorado Denver (Denver, CO)
  - University of Nebraska at Omaha (Omaha, NE)
  - University of Nevada, Reno (Reno, NV)
  - University of South Alabama (Mobile, AL)
  - Western Michigan University (Kalamazoo, MI)

WSU Results and Peer Comparisons

cont.

- Mean Comparisons of First-Year Students for questions relating to Academic Challenge

Mean Comparisons

Engagement Indicator	Wichita State Mean	Your first-year students compared with					
		WSU Peers Mean	Effect size	Carnegie Class Mean	Effect size	NSSE 2013 Mean	Effect size
Higher-Order Learning	35.4	39.0 ***	-.26	38.6 ***	-.23	39.1 ***	-.27
Reflective & Integrative Learning	33.0	35.7 ***	-.22	35.0 *	-.16	35.7 ***	-.21
Learning Strategies	36.5	40.2 ***	-.26	38.9 *	-.18	39.8 **	-.23
Quantitative Reasoning	23.9	27.0 **	-.18	27.6 ***	-.23	27.3 **	-.20

Notes: Results weighted by gender and enrollment status (and institution size for comparison groups); *p<.05, **p<.01, ***p<.001 (2-tailed); Effect size: Mean difference divided by pooled standard deviation; Symbols on the summary page are based on effect size and p before rounding.

WSU Results and Peer Comparisons

cont.

- Mean Comparisons of First-Year Students for questions relating to Learning With Peers

Mean Comparisons

Engagement Indicator	Wichita State Mean	WSU Peers Mean	Effect size	Carnegie Class Mean	Effect size	NSSE 2013 Mean	Effect size
Collaborative Learning	26.9	30.6 ***	-.27	32.1 ***	-.37	31.5 ***	-.32
Discussions with Diverse Others	39.1	41.4 *	-.14	41.0	-.12	40.8	-.10

Your first-year students compared with

Notes: Results weighted by gender and enrollment status (and institution size for comparison groups); *p<.05, **p<.01, ***p<.001 (2-tailed); Effect size: Mean difference divided by pooled standard deviation; Symbols on the summary page are based on effect size and p before rounding.

WSU Results and Peer Comparisons

cont.

- Mean Comparisons of First-Year Students for questions relating to Experiences With Faculty

Mean Comparisons

Engagement Indicator	Wichita State Mean	Your first-year students compared with					
		WSU Peers		Carnegie Class		NSSE 2013	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Student-Faculty Interaction	18.2	19.1	-.07	19.1	-.07	20.0 *	-.13
Effective Teaching Practices	39.8	40.1	-.02	39.3	.04	40.4	-.05

Notes: Results weighted by gender and enrollment status (and institution size for comparison groups); *p<.05, **p<.01, ***p<.001 (2-tailed); Effect size: Mean difference divided by pooled standard deviation; Symbols on the summary page are based on effect size and p before rounding.

WSU Results and Peer Comparisons

cont.

- Mean Comparisons of First-Year Students for questions relating to Campus Environment

Mean Comparisons		Wichita State	Your first-year students compared with					
			WSU Peers		Carnegie Class		NSSE 2013	
				Effect		Effect		Effect
Engagement Indicator		Mean	Mean	size	Mean	size	Mean	size
Quality of Interactions		40.5	40.5	-.01	40.8	-.03	41.7	-.10
Supportive Environment		33.8	35.8	-.14	37.2 **	-.25	37.2 ***	-.24

Notes: Results weighted by gender and enrollment status (and institution size for comparison groups); *p<.05, **p<.01, ***p<.001 (2-tailed); Effect size: Mean difference divided by pooled standard deviation; Symbols on the summary page are based on effect size and p before rounding.

WSU Results and Peer Comparisons

cont.

- Mean Comparisons of Seniors for questions relating to Academic Challenge

Mean Comparisons

Engagement Indicator	Wichita State Mean	Your first-year students compared with					
		WSU Peers Mean	Effect size	Carnegie Class Mean	Effect size	NSSE 2013 Mean	Effect size
Higher-Order Learning	38.6	40.3 **	-.12	40.4 ***	-.13	41.3 ***	-.20
Reflective & Integrative Learning	36.9	38.1 **	-.10	37.7	-.07	38.9 ***	-.16
Learning Strategies	40.7	41.0	-.01	39.9	.06	40.7	.00
Quantitative Reasoning	28.1	29.4 *	-.08	30.2 ***	-.12	29.7 **	-.10

Notes: Results weighted by gender and enrollment status (and institution size for comparison groups); *p<.05, **p<.01, ***p<.001 (2-tailed); Effect size: Mean difference divided by pooled standard deviation; Symbols on the summary page are based on effect size and p before rounding.

WSU Results and Peer Comparisons
cont.

- Mean Comparisons of Seniors for questions relating to Learning With Peers

Mean Comparisons

Engagement Indicator	Wichita State Mean	Your seniors compared with					
		WSU Peers		Carnegie Class		NSSE 2013	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	30.8	31.5	-.04	32.9 ***	-.14	31.7	-.06
Discussions with Diverse Others	42.1	42.1	.00	42.2	.00	41.8	.02

Notes: Results weighted by gender and enrollment status (and institution size for comparison groups); *p<.05, **p<.01, ***p<.001 (2-tailed); Effect size: Mean difference divided by pooled standard deviation; Symbols on the summary page are based on effect size and p before rounding.

WSU Results and Peer Comparisons

cont.

- Mean Comparisons of Seniors for questions relating to Experiences With Faculty

Mean Comparisons

Engagement Indicator	Wichita State Mean	WSU Peers Mean	WSU Peers Effect size	Carnegie Class Mean	Carnegie Class Effect size	NSSE 2013 Mean	NSSE 2013 Effect size
Student-Faculty Interaction	20.1	20.8	-.05	22.9 ***	-.18	23.2 ***	-.19
Effective Teaching Practices	39.6	39.9	-.02	40.0	-.03	41.1 **	-.11

Notes: Results weighted by gender and enrollment status (and institution size for comparison groups); *p<.05, **p<.01, ***p<.001 (2-tailed); Effect size: Mean difference divided by pooled standard deviation; Symbols on the summary page are based on effect size and p before rounding.

WSU Results and Peer Comparisons

cont.

- Mean Comparisons of Seniors for questions relating to Campus Environment

Mean Comparisons

| | | Your seniors compared with | | | | | |
| Engagement Indicator | Wichita State | WSU Peers | | Carnegie Class | | NSSE 2013 | |
	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	41.2	40.9	.02	41.3	.00	42.8 ***	-.13
Supportive Environment	28.1	31.2 ***	-.22	33.0 ***	-.35	33.1 ***	-.35

Notes: Results weighted by gender and enrollment status (and institution size for comparison groups); *p<.05, **p<.01, ***p<.001 (2-tailed); Effect size: Mean difference divided by pooled standard deviation; Symbols on the summary page are based on effect size and p before rounding.

High Impact Practices

- High Impact Practices are activities with positive associations with student learning and retention, demand time and effort, facilitate learning outside of the classroom, require meaningful interactions with faculty and students, encourage collaboration with diverse others, and provide frequent and substantive feedback

High Impact Practices

cont.

- NSSE founder George Kuh suggests all undergraduate students experience at least 2 High Impact Practices during their education

- Students were asked 6 questions regarding High Impact Practices (first-year students only asked questions 1-3)

- Seniors' responses include their entire time at WSU, not just the current academic year
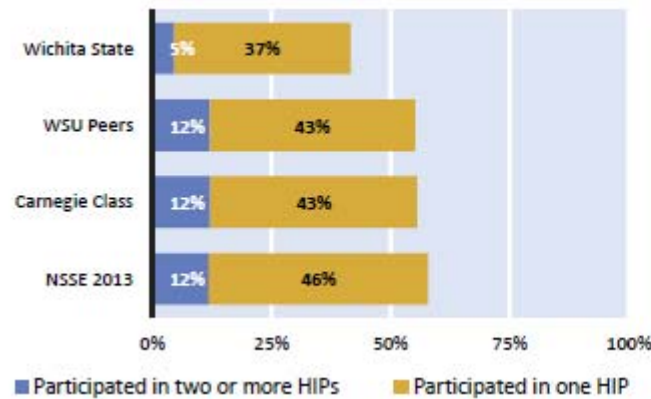
High Impact Practices

cont.

High-Impact Practices in NSSE

- Learning community or some other formal program where groups of students take two or more classes together

- Courses that included a community-based project (service-learning)

- Work with a faculty member on a research project

- Internship, co-op, field experience, student teaching, or clinical placement

- Study abroad

- Culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)
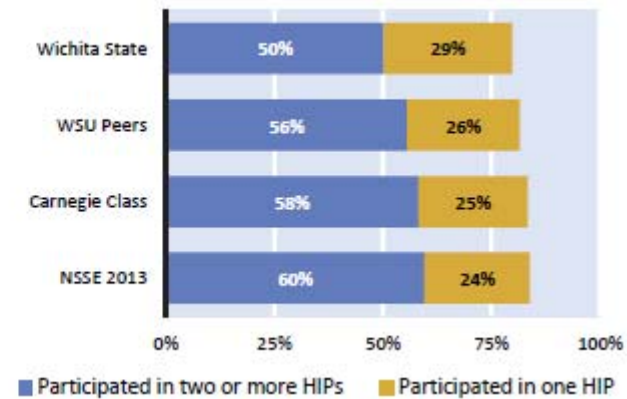
High Impact Practices

- High Impact Practices at WSU

High Impact Practices at WSU
First-Year Students

Learning Community

Which of the following have you done or do you plan to do before you graduate?

Participate in a learning community or some other formal program where groups of students take two or more classes together.

	Done or in progress	Plan to do	Have not decided	Do not plan to do
Wichita State	8%	24%	38%	30%
WSU Peers	16%	23%	28%	33%
Carnegie Class	17%	24%	28%	32%
NSSE 2013	15%	25%	32%	29%

High Impact Practices at WSU
First-Year Students

Service-Learning

About how many of your courses at this institution have included a community-based project (service-learning)?

	Most or all	Some	None
Wichita State	8%	29%	63%
WSU Peers	7%	42%	51%
Carnegie Class	7%	41%	52%
NSSE 2013	8%	44%	48%

■ Most or all ■ Some ■ None

Research with a Faculty Member

Which of the following have you done or do you plan to do before you graduate?

Work with a faculty member on a research project.

	Done or in progress	Plan to do	Have not decided	Do not plan to do
Wichita State	2%	31%	37%	30%
WSU Peers	5%	31%	39%	26%
Carnegie Class	5%	34%	37%	23%
NSSE 2013	5%	33%	38%	24%

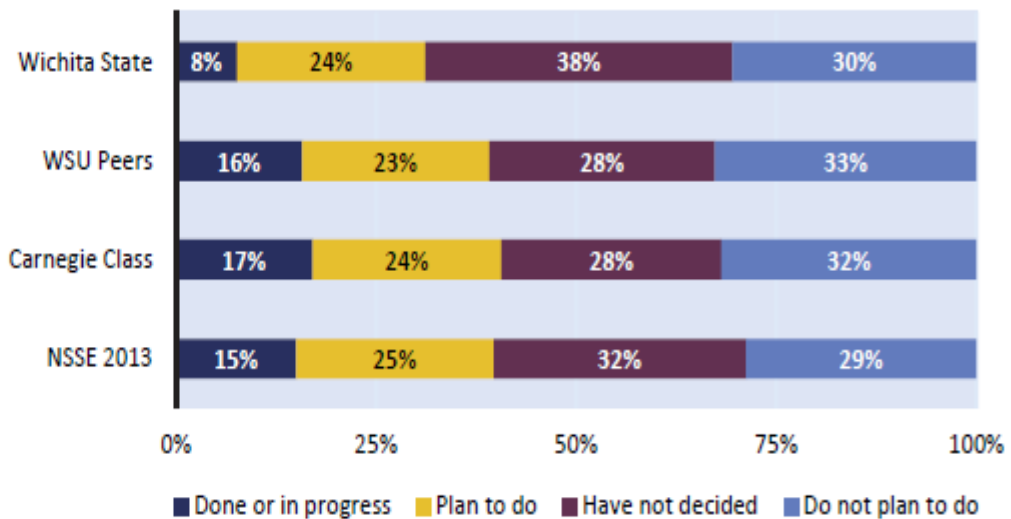■ Done or in progress ■ Plan to do ■ Have not decided ■ Do not plan to do

High Impact Practices at WSU Seniors

Learning Community

Which of the following have you done or do you plan to do before you graduate?

Participate in a learning community or some other formal program where groups of students take two or more classes together.
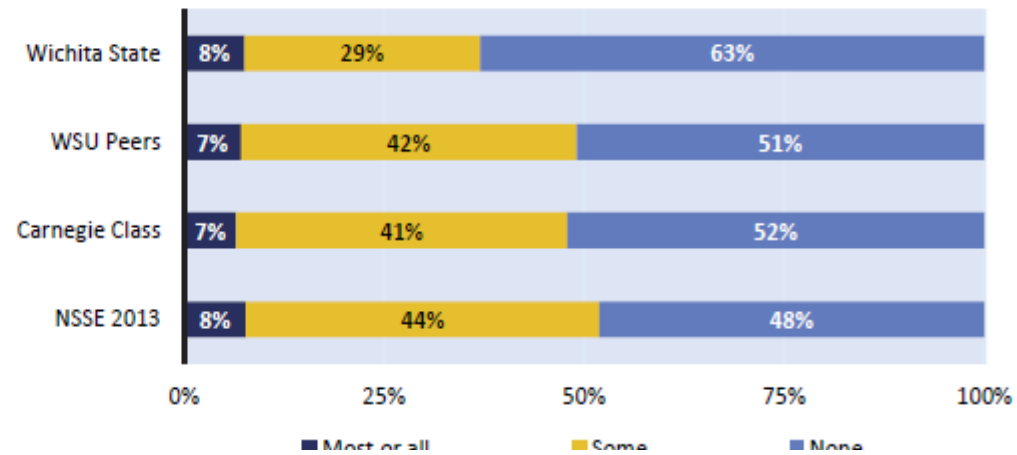

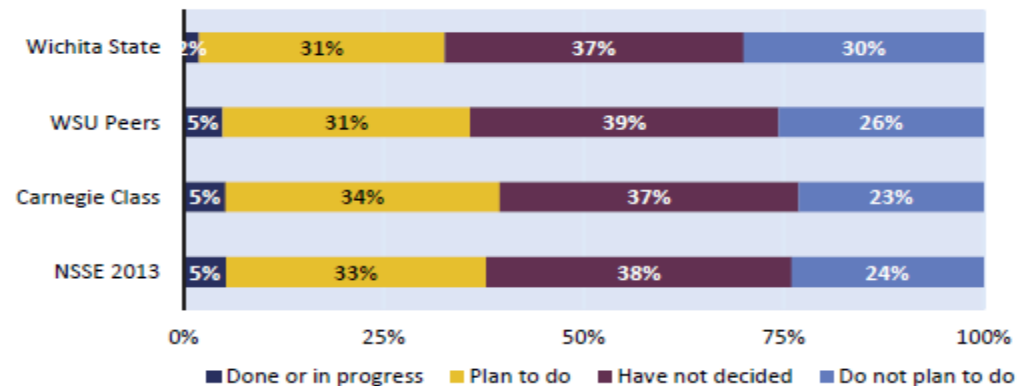|	Done or in progress	Plan to do	Have not decided	Do not plan to do
Wichita State	19%	10%	17%	54%
WSU Peers	19%	9%	13%	59%
Carnegie Class	23%	9%	12%	56%
NSSE 2013	24%	9%	13%	55%

Service-Learning

About how many of your courses at this institution have included a community-based project (service-learning)?

	Most or all	Some	None
Wichita State	12%	45%	43%
WSU Peers	9%	50%	41%
Carnegie Class	9%	48%	43%
NSSE 2013	11%	50%	40%

High Impact Practices at WSU Seniors

Research with a Faculty Member

Which of the following have you done or do you plan to do before you graduate?
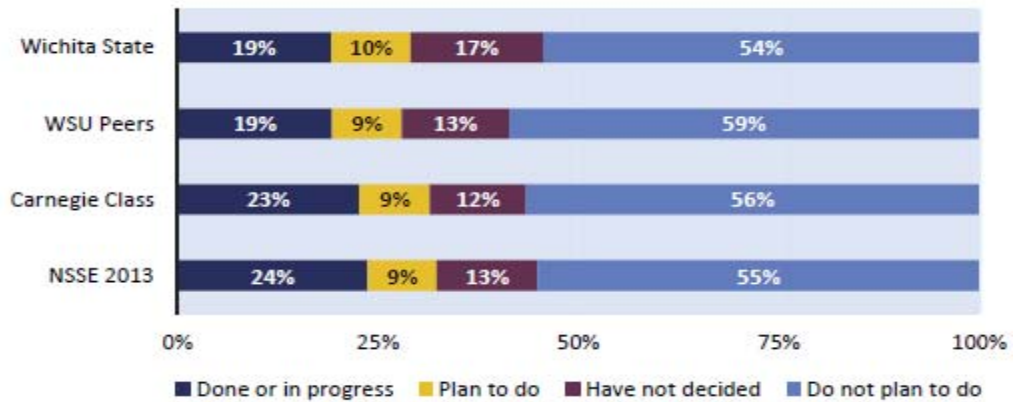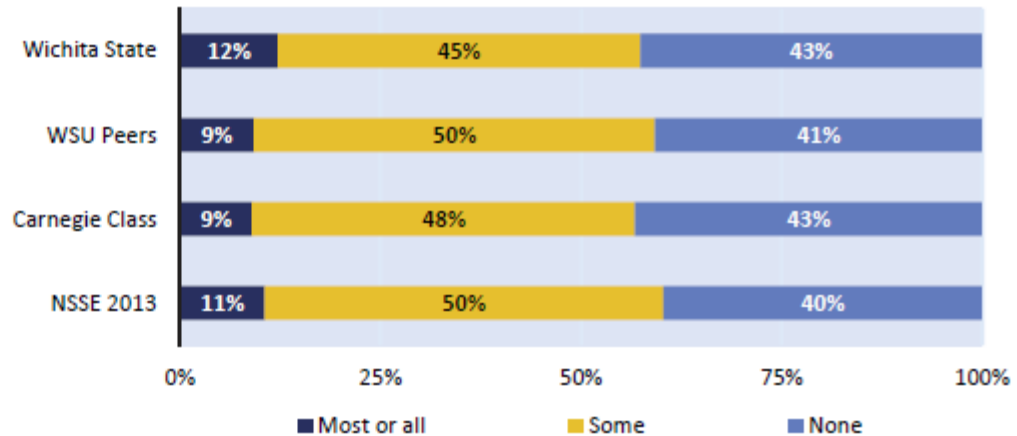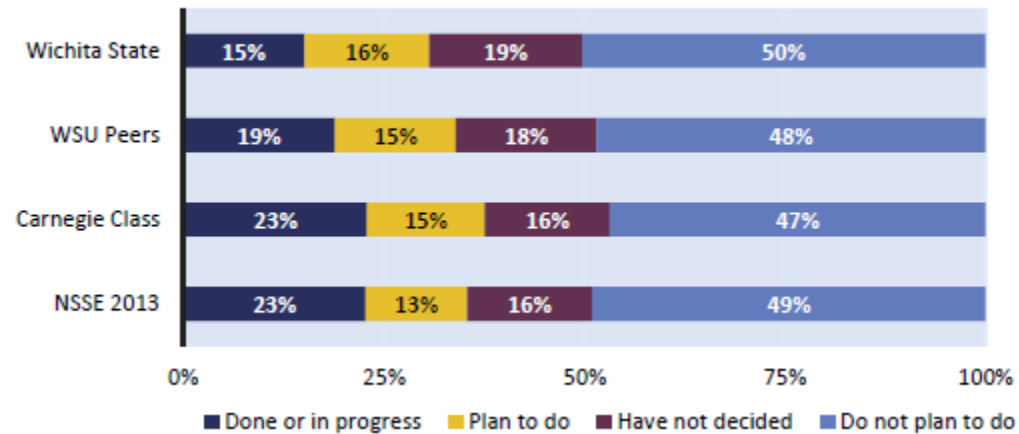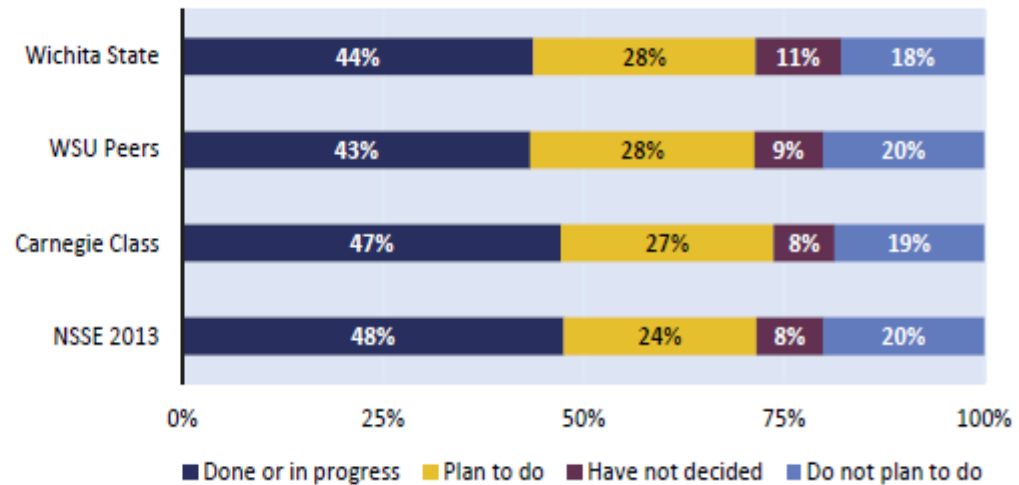
Work with a faculty member on a research project.

	Done or in progress	Plan to do	Have not decided	Do not plan to do
Wichita State	15%	16%	19%	50%
WSU Peers	19%	15%	18%	48%
Carnegie Class	23%	15%	16%	47%
NSSE 2013	23%	13%	16%	49%

Internship or Field Experience

Which of the following have you done or do you plan to do before you graduate?

Participate in an internship, co-op, field experience, student teaching, or clinical placement.

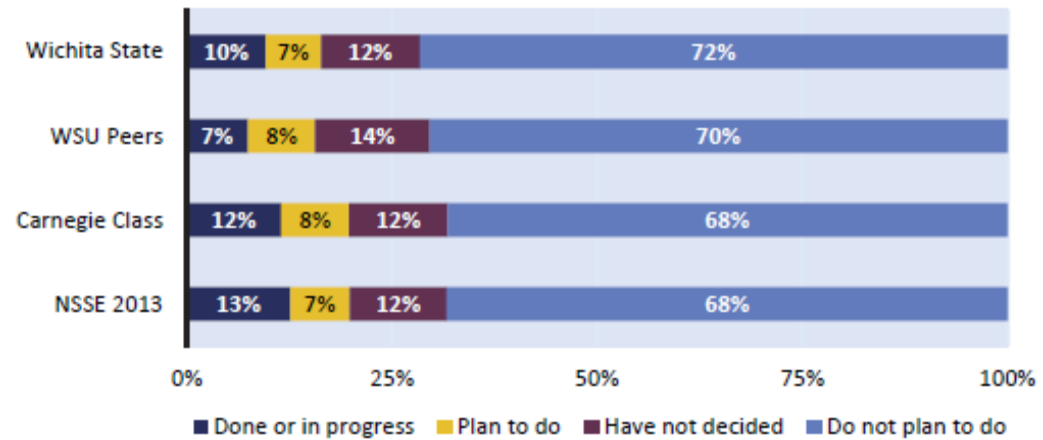|	Done or in progress	Plan to do	Have not decided	Do not plan to do
Wichita State	44%	28%	11%	18%
WSU Peers	43%	28%	9%	20%
Carnegie Class	47%	27%	8%	19%
NSSE 2013	48%	24%	8%	20%

High Impact Practices at WSU Seniors

Study Abroad

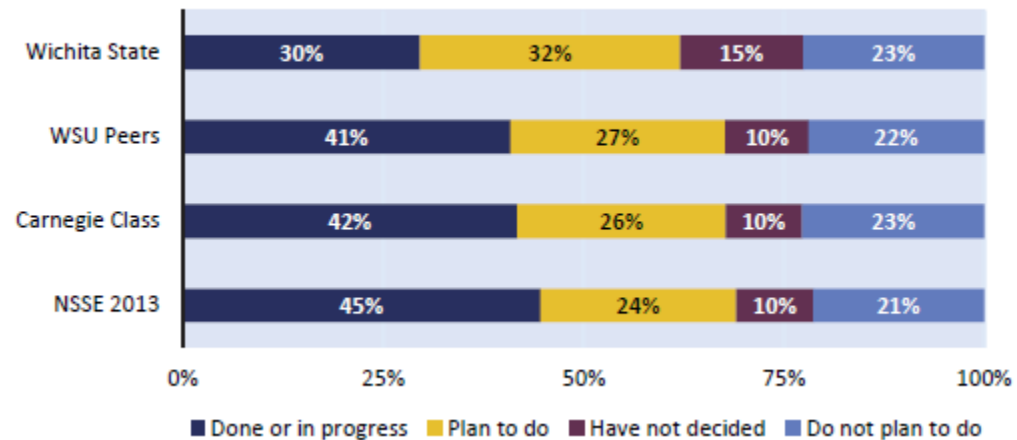*Which of the following have you done or do you plan to do before you graduate?*

Participate in a study abroad program.

	Done or in progress	Plan to do	Have not decided	Do not plan to do
Wichita State	10%	7%	12%	72%
WSU Peers	7%	8%	14%	70%
Carnegie Class	12%	8%	12%	68%
NSSE 2013	13%	7%	12%	68%

Culminating Senior Experience

Which of the following have you done or do you plan to do before you graduate?
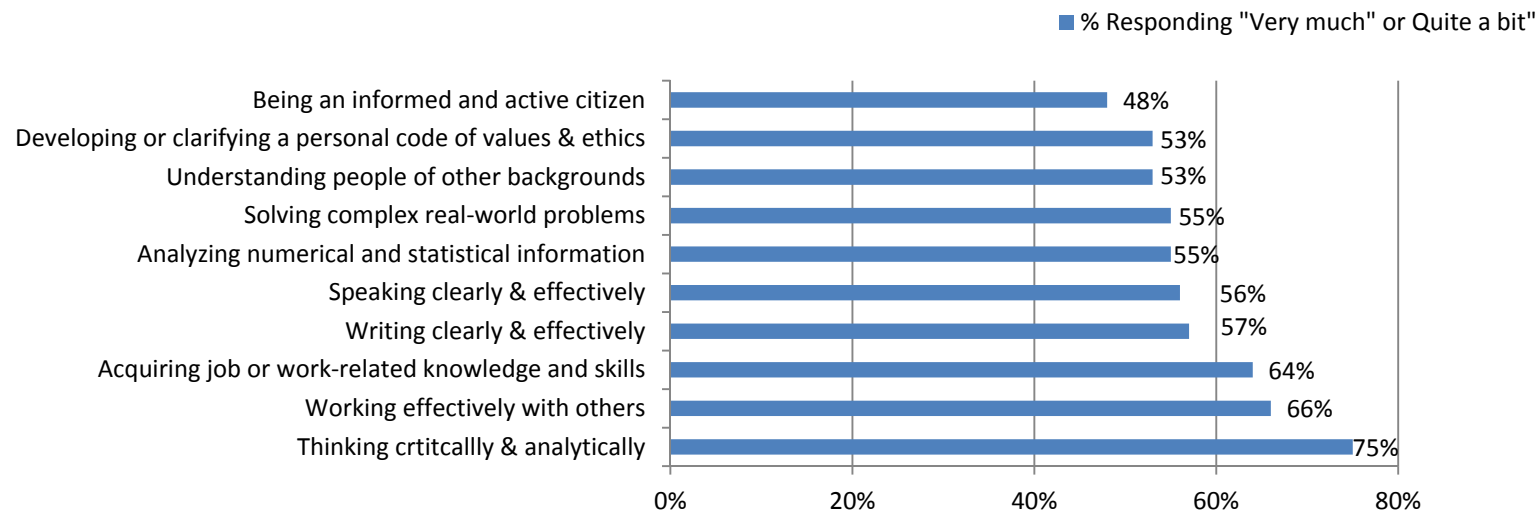
Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.).

|	Done or in progress	Plan to do	Have not decided	Do not plan to do
Wichita State	30%	32%	15%	23%
WSU Peers	41%	27%	10%	22%
Carnegie Class	42%	26%	10%	23%
NSSE 2013	45%	24%	10%	21%

Perceived Gains Among Seniors

Students reported how much their experience at WSU contributed to their knowledge, skills, and personal development in 10 areas:

% Responding "Very much" or Quite a bit"

% Responding "Very much" or Quite a bit"

Category	%
Being an informed and active citizen	48%
Developing or clarifying a personal code of values & ethics	53%
Understanding people of other backgrounds	53%
Solving complex real-world problems	55%
Analyzing numerical and statistical information	55%
Speaking clearly & effectively	56%
Writing clearly & effectively	57%
Acquiring job or work-related knowledge and skills	64%
Working effectively with others	66%
Thinking crtitcallly & analytically	75%

Satisfaction with WSU

Students rated their overall experience at WSU and whether they would attend WSU again:
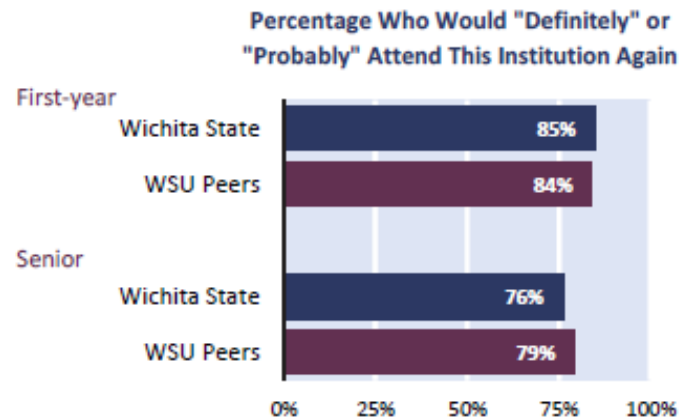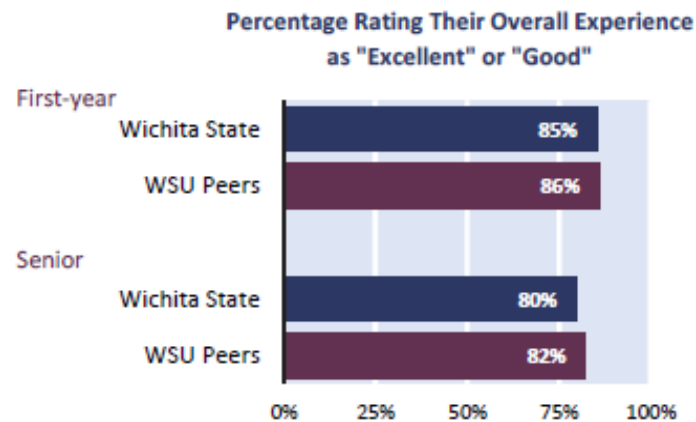
NSSE Caveats

- As with all surveys, NSSE also has some caveats:
  - Survey is voluntary, which leads to lower response rates and may not be a representative sample of the student population
  - Different methodologies used when selecting comparison groups (may not be selecting schools that would be appropriate for NSSE comparisons)
  - Lack of awareness or interest in student engagement

Using NSSE Data

- NSSE data can be used in a variety of ways:
  - Self-studies for accreditations
  - Assessment & Improvement
  - Faculty & Staff development
  - Institutional Advancement
  - State System Performance Reviews

Using NSSE Data at WSU

- NSSE is used at WSU in several ways:
  - Results for specific questions posted on the Voluntary System of Accountability College Portrait (on WSU home page), all institutions participating in the College Portrait that use NSSE also report this data
  - Performance Indicators for Kansas Board of Regents Foresight 2020

Using NSSE Data at WSU cont.

Legend n/a=not applicable; tbd=to be determined; FY=fiscal year (U-F-S);
AY=academic year (F-S-U); CY=calendar year; Fall=Fall 20th day.

WICHITA STATE UNIVERSITY

Stoplights: actual to target
- (red) greater than -/+ 5%
- (yellow) within -/+ 5%
- (green) met or exceeded

Wichita State University Foresight 2020* Performance

Foresight 2020 Strategic Goals:	yearly measure	2009	2010	Actual 2011	2012	2013	Target 2013	Goal Status	Goal 2020	desired goal direction
II. Improve Economic Alignment (continued from previous page).										
II.3 WSU Graduates are Scholars by demonstrating:										
Critical thinking and problem solving										
Collegiate Learning Assessment (CLA) score[1] for Seniors as percent of expected score	AY	103%	103%	100%	99.7%	99.6%	100.0%	○	100%	↗
Collegiate Learning Assessment (CLA) score[1] for Seniors	AY	1,288	1,296	1,265	1,181	1,174				
(expected score)		1,247	1,258	1,260	1,184	1,179				
Watson/Glaser Critical Thinking Appraisal[2] (mean Fall score)	Fall	57.5	56.8	56.6	58.1	tbd	59.2	○	64.8	↗
Student's perception of level academic challenge from NSSE[3] benchmark for Freshmen (goal to exceed peers)	AY	n/a	n/a	n/a	n/a	32.1	33.0	○	40.0	↗
Student's perception of level academic challenge from NSSE benchmark for Seniors (goal to exceed peers)	AY	n/a	n/a	n/a	n/a	35.9	36.0	○	40.0	↗
Undergraduate perception of critical thinking competency exit survey[4] (scale 1 to 5-- percent 4 or higher shown)	AY	n/a	n/a	n/a	90.3%	92.8%	86.0%	●	90.0%	↗
Undergraduate's perception of numerical literacy competency exit survey (scale 1 to 5-- percent 4 or higher shown)	AY	n/a	n/a	n/a	74.2%	77.0%	82.0%	○	90.0%	↗
Effective communication										
Student presentation frequency (NSSE) Freshmen (scale 1 never to 4 very often)	AY	2.2	n/a	2.3	n/a	2.1	2.2	●	2.3	↗
Student presentation frequency (NSSE) Seniors (scale 1 never to 4 very often)	AY	2.6	n/a	2.6	n/a	2.5	2.7	○	2.8	↗
English 101 Post-test scores from the English pre- and post-test writing performance assessment	Fall	3.42	3.45	3.48	3.52	tbd	3.27	●	4.0	↗
Undergraduate's perception oral/written competency exit survey (scale 1 to 5-- pct 4 or higher shown)	AY	n/a	n/a	n/a	87.8%	90.0%	82.0%	●	90.0%	↗
Preparation for lifelong learning										
Percent enrolled in 4 yr school within 1 yr of WSU graduation (Nat. Clearinghouse data)	AY	28.1%	29.3%	28.4%	25.9%	tbd	29.8%	tbd	30%	↗
Percent enrolled in a 4 yr school within 1 yr of WSU graduation to have earned a master degree within 2 yrs	AY	21.2%	22.2%	19.8%	tbd	tbd	tbd	tbd	tbd	
Undergraduate's perception of library literacy competency from exit survey (scale 1 to 5-- pct 4 or higher shown)	AY	n/a	n/a	n/a	65.9%	69.2%	72.0%	○	90.0%	↗
Preparation for career in their chosen field										
Percent of undergraduates perceiving chosen degree useful to very useful in career exit survey (scale 1 to 5)	AY	n/a	n/a	n/a	87.6%	91.8%	86.0%	●	90.0%	↗
Percent undergraduates employed within 6 months of graduation -- alumni survey	AY	tbd	tbd	tbd	77.1%	80.0%	83.0%	○	90.0%	

Using NSSE Data at WSU cont.

Student Interaction with Campus Faculty and Staff
- 52.0% of seniors believed that the campus staff were helpful, considerate, or flexible
- 75.0% of seniors believed that faculty are available, helpful, or sympathetic
- 93.0% of seniors reported that faculty members provided prompt feedback on their academic performance
- 61.0% of seniors discussed readings or ideas with faculty members outside of class

Questions?

- Any questions? You may also email questions that may arise later to tiffany.franks@wichita.edu