# Community College Survey of Student Engagement (CCSSE) and Community College Faculty Survey of Student Engagement (CCFSSE) Report - Spring 2017 

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## 1 INTRODUCTION

Florida SouthWestern State College's Quality Enhancement Plan (QEP) initiated in 2012 calls for faculty and staff to complete professional development modules purposed towards the promotion of critical thinking in enhancing the likelihood of success of first-year students (Florida SouthWestern, 2013). To measure the success of the program the college employs the Community College Survey of (Faculty) Student Engagement (CCSSE \& CCFSSE). More specifically, the college uses a subset of survey questions, defined by the center as the Academic Challenge benchmark is an indicator of student engagement (Mandarino, et al., 2010) and is evaluated here. The results of which are reported directly by the facilitator of the surveys, the Center for Community College Student Engagement housed at the University of Texas at Austin.

Additionally, the CCSSE and CCFSSE reports encompass a series of questions addressing common survey topics. As a result, an evaluation of the interaction, needs, and perception of the student can be compared with an evaluation of the faculty perception of student's interaction, needs, and perception. A complete review of these comparisons over time are also herein detailed. Note that some questions from previous reports are excluded here because they were discontinued from the survey.

The complete reports for CCSSE and CCFSSE are included as appendices (Appendix A \& B). For additional detail or further analysis not provided in this report, please contact Dr. Joseph van Gaalen, Director of Assessment \& Effectiveness, Academic Affairs (joseph.vangaalen@fsw.edu; x16965).

## 2 Statistics

During the spring 2017 semester, 79 sections across the Charlotte, Collier, and Thomas Edison (Lee) campuses, as well as the Hendry-Glades center, were administered the CCSSE survey. These courses were randomly sampled to participate in the survey from the college's entry level course offerings for the spring 2017 semester. Additionally, 84 faculty participated in the survey.

### 2.1 QEP Initiative Statistics

### 2.1.1 Academic Challenge benchmark (CCSSE: 4p, 5b, 5c, 5d, $5 e, 5 f, 6 a, 6 c, 7,9 a$ )

As of the 2013-2014 Academic Year, the college has issued a goal of 3\% above the 'extra-large college' weighted scores in the Academic Challenge benchmark weighted scores. The benchmark score for 2017 for Florida SouthWestern was 51.5 (Figure 1). This is a difference of $+1 \%$ from the extra-large college score of 50.4. It should be noted that the extra-large college cohort is not listed in Figure 1. Additional benchmarks of effective educational practice as defined by the Center for Community College Student

Engagement are included in Figure 1 (CCSSE, 2017). For the full report from which this figure is cited, please see Appendix A.


Figure 1. 2017 CCSSE benchmark scores including Florida SouthWestern's focus benchmark, Academic Challenge compared with similar colleges comprising the 2017 CCSSE Cohort and top-performing colleges of the 2017 CCSSE Cohort (CCSSE, 2017)

### 2.1.2 Student-Faculty Interactions Benchmark (CCSSE: 4k, 4l, 4m, 4n, 4o, 4q)

As of the 2013-2014 Academic Year, the college has issued a goal of 3\% above the 'extra-large college' weighted scores in the Student-Faculty Interactions benchmark. The benchmark score for 2017 for Florida SouthWestern was 50.0 (Figure 1). This is $2 \%$ above the extra-large college weighted score of 48.2.

### 2.1.3 Subset of Active and Collaborative Learning Items Benchmark (CCSSE: 4f, 4g, 4h, 4r)

As of the 2013-2014 Academic Year, the college has issued a goal of a 3\% above the 'extra-large college' weighted scores in the Active and Collaborative Learning benchmark. The benchmark score for 2017 for Florida SouthWestern was 52.6 (Figure 1). This is $3 \%$ above the extra-large college weighted score of 50.0.

### 2.2 Comparative Statistics: Faculty/Student Perception, Opinion, and Estimates

Many questions included in the CCSSE and CCFSSE surveys are applicable to similar or identical situations experienced by both faculty and students. As a result, if worded with minimal bias, these questions can be compared to help identify and characterize classroom conduct and ambiance. While the surveys for students and faculty include more questions than are reported here, some of those are worded differently enough between cohorts to limit the value of the response. For example, the following is a question posed to the faculty followed by the one posed to the students:

To Faculty: "How often do students in your selected course section ask questions in class or contribute to class discussions?"
To Students: "In your experiences at this college during the current school year, about how often have you asked questions in class or contributed to class discussions?"

In the question posed to the faculty, there is no specification of which students, only how often are questions asked. As a result, positive responses can be elicited when only a small percentage of
students are actually interacting. In the question posed to the students, however, individual students are responding with their individual habits towards asking questions, not towards how active the class as a whole is in asking questions. This difference makes the results questionable as to any meaningful interpretation.

An example of a more effective comparative question posed to faculty and students is as follows:
To Faculty: "How often do students in your selected course section receive prompt feedback (written or oral) from you about their performance?"
To Students: "In your experiences at this college during the current school year, about how often have you received prompt feedback (written or oral) from instructors on your performance?"

In this question posed to the faculty, the results provide information as to faculty perception of what providing prompt feedback means to them and if they provided it. Conversely, in the question posed to the students, the results provide information into the perception of what prompt feedback means to them and if they experienced it. When compared, the results provide a greater understanding on the expectation of feedback promptness between cohorts as well as a quantitative measure of error with regard to what is considered prompt. Future student evaluation of instruction surveys can be weighed with these types of survey questions acting as support for interpretation regarding faculty evaluation. For a review of all common questions in the CCSSE/CCFSSE surveys, see Appendix B.

### 2.2.1 Course Assignments

Figure 2, CCFSSE code: FCLPRESEN, CCSSE code: CLPRESEN, focuses on class presentation opportunities. From the phrasing of the faculty question "How often do students... ...make a class presentation?" the interpretation of the results exhibits the frequency of the faculty to assign class presentations. From the phrasing of the student comparative question "...about how often have you made a class presentation?" the interpretation of the results exhibits the frequency of the student to complete an assigned class presentation.

Since the surveyed faculty do not necessarily correspond to the same courses in which the students were surveyed there can be no direct comparison made in this instance. If the faculty surveyed and students surveyed originated from the same courses there would have been a known number of presentations required of faculty, meanings of 'sometimes', 'often', and 'very often' have a distinct meaning by default. Therefore, an interpretation without any survey bias can be extracted only from the 'never' indication of survey takers. In this instance, the survey provides a glimpse into typical presentation assignment and output of students.


Figure 2. Faculty (black) Question: How often do students in your selected course section make a class presentation? Student (blue) Question: In your experiences at this college during the current school year, about how often have you made a class presentation? (top left - 2014 survey, top right - 2015 survey, bottom left - 2016 survey, bottom right - 2017 survey)

Since the exact number of 'two or more drafts' is a varying response as it pertains to the survey taker, interpretation only relies on what is defined by the survey taker without any controlled survey response. To clarify, in Figure 2, faculty defines the variable as 'very often', so if students complete an equal number of that variable but call it 'often' disagreement exists.

Figure 3, CCFSSE code: FREWROPAP, CCSSE code: REWROPAP, focuses on the number of drafts a student complete towards a final submitted paper. From the phrasing of the faculty question "How often do students... ...prepare two or more drafts of a paper or assignment before turning it in?" the interpretation of the results exhibits faculty perception of how often students write drafts of papers, as it includes both what faculty might assign as well as what faculty might expect outside of the classroom from the students. From the phrasing of the student comparative question "...about how often have you prepared two or more drafts of a paper or assignment before turning it in?" the interpretation of the results exhibits the frequency of the student to complete two or more drafts.


Figure 3. Faculty (black): How often do students in your selected course section prepare two or more drafts of a paper or assignment before turning it in? Students (blue): In your experiences at this college during the current school year, about how often have you prepared two or more drafts of a paper or assignment before turning it in? (top left - 2014 survey, top right 2015 survey, bottom left - 2016 survey, bottom right - 2017 survey)

In Figure 3, neither faculty nor student defines what 'very often' means; therefore, responses are free of one-way bias. Some potential causes of disparity between faculty and students may result from varying perception of student behavior by faculty (Cherif, et al., 2014), varying interpretation of the term 'draft' by students (e.g. constant revising) (University of North Carolina, 2014), and bias related to selfreporting (Donaldson and Grant-Valone, 2002).

Results indicate that faculty surveyed significantly dropped from 44\% reporting "Never" in 2016 to 25\% in 2017. However, it should be noted that the 2017 CCFSSE no longer offered "Don't Know" as an option, thus forcing a specific response which may have skewed interpretation of results. Students continue to self-report similar results over the last four years (2014-2017).

Figure 4, CCFSSE code: FINTEGRAT, CCSSE code: INTEGRAT, focuses on assessments that require integration of various sources. From the phrasing of the faculty question "How often do students... ...work on a paper that requires integrating ideas or information from various sources?" the interpretation of the results exhibits the frequency of the faculty to assign papers requiring integration of ideas from multiple sources. From the phrasing of the student comparative question "...about how
often have you worked on a paper or project that required integrating ideas or information from various sources?" the interpretation of the results exhibits the frequency of the student to both recognize that a paper requires integration of sources as well as complete work on that assignment.


Figure 4. Faculty (black): How often do students in your selected course section work on a paper or project that requires integrating ideas or information from various sources? Students (blue): In your experiences at this college during the current school year, about how often have you worked on a paper or project that required integrating ideas or information from various sources? (top left - 2014 survey, top right - 2015 survey, bottom left - 2016 survey, bottom right - 2017 survey)

Since the surveyed faculty do not necessarily correspond to the same courses in which the students were surveyed there can be no direct comparison made in this instance. If the faculty surveyed and students surveyed originated from the same courses there would have been a known number of integrated projects required of faculty, meanings of 'sometimes', 'often', and 'very often' have a distinct meaning by default. Therefore, an interpretation without any survey bias can be extracted only from the 'never' indication of survey takers. In this instance, the survey provides a glimpse into typical integrated project assignment and output of students. Additionally, comparing faculty with students serves as an indication of what students constitute as integration. The results indicate a fairly consistent response between both faculty and student, indicating no immediate inconsistencies in both survey interpretation or integration assignments.

Figure 5, CCFSSE code: FCLUNPREP, CCSSE code: CLUNPREP, focuses on preparation for class sessions. From the phrasing of the faculty question "How often do students... ...come to class without completing readings or assignments?" the interpretation of the results exhibits faculty perception of student preparedness. From the phrasing of the student comparative question "...about how often have you come to class without completing readings or assignments?" the interpretation of the results exhibits the frequency of the student to attend class unprepared. The perception of the faculty and the actual preparedness of the student should be, given reasonable assumptions, a one-to-one comparison. Some potential causes of disparity between faculty and students may result from varying perception of student behavior by faculty (Cherif, et al., 2014), varying perception of preparedness by students (Young, 2002), and bias related to self-reporting (Donaldson and Grant-Valone, 2002).

The results indicate faculty consistently perceive unpreparedness at a much higher percentage than students report. Faculty responses over four years exhibit a range of 6-11\% believing students never come to class unprepared. By comparison, $34-37 \%$ of students believe they never come to class unprepared.



Figure 5. Faculty (black): How often do students in your selected course section come to class without completing readings or assignments? Student (blue): In your experiences at this college during the current school year, about how often have you come to class without completing readings or assignments. (top left - 2014 survey, top right -2015 survey, bottom left -2016 survey, bottom right - 2017 survey)

Figure 6, CCFSSE code: FFACIDEAS, CCSSE code: FACIDEAS, focuses on the extent to which students discuss class ideas outside of the classroom with faculty. From the phrasing of the faculty question "How often do students... ...discuss ideas from their readings or classes with you outside of class?" the
interpretation of the results exhibits faculty estimate of either A) percentage of students who discuss with them outside of class or B) percentage of time students discuss with them outside of class based on a preconceived notion of how often this should occur given the class size. From the phrasing of the student comparative question "...about how often have you discussed ideas from your readings or classes with instructors outside of class?" the interpretation of the results exhibits the frequency of the individual student to visit faculty outside of class time to discuss course materials. In this case, the imprecision of the faculty survey question may cause results to be difficult to interpret.


Figure 6. Faculty (black): How often do students in your selected course section discuss ideas from their readings or classes with you outside of class? Student (blue): In your experiences at this college during the current school year, about how often have you discussed ideas from your readings or classes with instructors outside of class? (top left - 2014 survey, top right -2015 survey, bottom left - 2016 survey, bottom right - 2017 survey)

The results are likely indicative of option (B) in faculty interpretation (see above) in that faculty have interaction of some kind outside the classroom at $86 \%$, an unlikely case if interpreted as option (A). While the vast majority of faculty spend time outside of class with some cohort of students, only about half of the students are taking the opportunity to speak with the dedicated faculty, a common thread across all years in which the studies were conducted.

Figure 7, CCFSSE code: FFACFEED, CCSSE code: FACFEED, focuses on prompt feedback from the faculty. From the phrasing of the faculty question "How often do students... ...receive prompt feedback...?" the interpretation of the results exhibits faculty perception of their providing of prompt feedback. From the phrasing of the student comparative question "...about how often have you received prompt
feedback...?" the interpretation of the results exhibits the estimate of the student's view of faculty's promptness in providing feedback. The perception of faculty and student should be one-to-one.


Figure 7. Faculty (black): How often do students in your selected course section receive prompt feedback (written or oral) from you about their performance? Student (blue): In your experiences at this college during the current school year, about how often have you received prompt feedback (written or oral) from instructors on your performance? (top left - 2014 survey, top right 2015 survey, bottom left - 2016 survey, bottom right - 2017 survey)

The results indicate that most faculty feel they provide prompt feedback 'often' or 'very often' (90\%). In contrast, only $65 \%$ of students stated they were provided prompt feedback 'often' or 'very often'. One likely influence on survey results is the gap between faculty and student perception of 'prompt' (Jukes, et al., 2010). These results are similar to that of previous years. In 2016, $92 \%$ of faculty and $64 \%$ of students responded 'often' and 'very often.' In 2015, the results were $95 \%$ of faculty and $64 \%$ of students. In 2014 the results were $91 \%$ of faculty and $58 \%$ of students.

In February, 2015, the QEP assessment committee issued a "Did You Know" tip newsletter focused on the issue of prompt performance feedback. The newsletter highlighted the disparities noted in survey results and provided some suggestions for how to increase performance feedback and/or alter the methods of performance feedback. While the positive responses in 2016 faculty results ('often' and 'very often') do not appear to have changed, the type of positive response has changed. In both 2014 and 2015, faculty response of 'often' was $35 \%$ and $36 \%$, respectively. Similarly, 'very often' response was $55 \%$ and $58 \%$, respectively. In contrast, in 2016, $45 \%$ of faculty responded 'often', up 9-10\% from
previous years, and $47 \%$ responded 'very often', down $8-11 \%$ from previous years. This trend reversed in 2017.

Figure 8, CCFSSE code: FEXAMS, CCSSE code: EXAMS, focuses on exam performance. From the phrasing of the faculty question "Select the response that best represents the extent to which your examinations of student performance... ...challenge students to do their best work?" the interpretation of the results exhibits faculty perception of the level of difficult of the exams they administer. From the phrasing of the student comparative question "Mark the response that best represents the extent to which your examinations... ...have challenged you to do your best work at this college?" the interpretation of the results exhibits the estimate of the student's view of exam difficulty. The perception of faculty and student should be one-to-one.

The results indicate a tendency for faculty to perceive their examinations as more challenging than the students do although this is less so than in previous years. Faculty results are skewed towards the positive, and are consistently higher than student response at level 5 and up, and lower at level 4 and below. Faculty responded 5 or higher $77 \%$ of the time, while students responded 5 or higher only $59 \%$ of the time. These results are consistent with 2014 through 2016.


Figure 8. Faculty (black): Select the response that best represents the extent to which your examinations of student performance (e.g. exams, portfolio) challenge students to do their best work. Student (blue): Mark the response that best represents the extent to which your examinations during current school year have challenged you to do your best work at this college. (top left - 2014 survey, top right - 2015 survey, bottom left - 2016 survey, bottom right -2017 survey)

Some possibilities for this disparity may be a result of A) faculty are not familiar enough with student capability to properly estimate assessment difficulty, a problem identified by Gulacar and Bowman (2014), B) students are not sufficiently aware of their academic limits to appropriately judge, C) students perception is influenced by sources such as test anxiety, teaching/testing style of the instructor, or perceived difficulty of the subject as a whole (Okebukola and Jegede, 1989; Parkinson, et al., 1998; Hudson and Treagust, 2013), or D) a combination.

Figure 9, CCFSSE code: FGNWORK, CCSSE code: GNWORK, focuses on acquisition of skills for the workplace. From the phrasing of the faculty question "To what extent do students' experiences... contribute to their knowledge, skills, and personal development in acquiring job- or work-related knowledge and skills?" the interpretation of the results exhibits faculty perception of use of course materials in providing a foundation for the workplace. From the phrasing of the student comparative question "How much has your experience... ...contributed to your knowledge, skills, and personal development in acquiring job- or work-related knowledge and skills?" the interpretation of the results exhibits student perception of the use of course materials in providing a foundation for the workplace. The perception of the faculty and of the student should be a one-to-one comparison.


Figure 9. Faculty (black): To what extent do students' experiences in your selected course section contribute to their knowledge, skills, and personal development in acquiring job- or work-related knowledge and skills? Student (blue): How much has your experience at this college contributed to your knowledge, skills, and personal development in acquiring job- or work-related knowledge and skills? (top left - 2014 survey, top right - 2015 survey, bottom left - 2016 survey, bottom right - 2017 survey)

The results continue to indicate students surveyed do not feel as strongly that experiences in the classroom contribute to development in the workplace. Of faculty surveyed in $2017,61 \%$ responded 'quite a bit' or 'very much'. In contrast, only $44 \%$ of students surveyed responded in the same categories.

Some causes for the disparity in these results may stem from two pathways. The first involves the success of the General Education Curriculum. Since the General Education curriculum has traditionally been designed to prepare the student for community interaction, think independently, and integrate knowledge (University of Illinois, 2014; Washington State Univ., 2014), the success of the program, to some extent then, supports a foundation towards success in the workplace. There is precedent for a lack of connectivity conveyed in the classroom between course goals and general education goals (Muffo, 2001; Harmes and Miller, 2007). This possibility is presently being addressed by Florida SouthWestern's General Education Assessment Plan for 2014-15, where locally designed assignments and assessments will spearhead the measurement of achievement of General Education Competencies (Florida SouthWestern, 2014). Potential results of this evolution are already presenting themselves in other CCSSE survey responses.

The second possible cause for the disparity in the survey results lies with the students. Students surveyed may be unaware of the links between their perspective careers and General Education courses' associated experiences. Although outreach programs may most directly influence this statistic, a successful implementation of Florida SouthWestern's 2014-15 General Education Assessment Plan will help correct this problem as well.

Figure 10, CCFSSE code: FGNANALY, CCSSE code: GNANALY, focuses on acquisition of skills for critical thinking. From the phrasing of the faculty question "To what extent do students' experiences... ...contribute to their knowledge, skills, and personal development in thinking critically and analytically?" the interpretation of the results exhibits faculty perception of use of course materials in providing a foundation for critical thinking. From the phrasing of the student comparative question "How much has your experience... ...contributed to your knowledge, skills, and personal development in thinking critically and analytically?" the interpretation of the results exhibits student perception of the use of course materials in providing a foundation for critical thinking. The perception of the faculty and of the student should be a one-to-one comparison.


Figure 10. Faculty (black): To what extent do students' experiences in your selected course section contribute to their knowledge, skills, and personal development in thinking critically and analytically? Student (blue): How much has your experience at this college contributed to your knowledge, skills, and personal development in thinking critically and analytically? (top left - 2014 survey, top right - 2015 survey, bottom left - 2016 survey, bottom right - 2017 survey)

The results indicate fairly good agreement between faculty and students that, over time, as diverged. In 2014, of faculty surveyed, $84 \%$ responded 'quite a bit' or 'very much'. In that same year, by comparison, $72 \%$ of students surveyed responded with either 'quite a bit' or 'very much.' Contrast that with 2017 where $97 \%$ of faculty responded 'quite a bit' or 'very much' compared with just $77 \%$ of students.

Some causes for the disparity in these results may stem from two pathways. The first again involves the success of the General Education Curriculum. In AY 2016-2017 the General Education assessment focus included critical thinking. The second possible cause for the disparity in the survey results may again lie with the students. Students surveyed may be unaware of what is described as critical thinking even if they are conducting such activities in a course.

Figure 11, CCFSSE code: FCARGOAL, CCSSE code: CARGOAL, focuses on acquisition of skills for developing career goals. From the phrasing of the faculty question "To what extent do students' experiences... ...contribute to their knowledge, skills, and personal development in developing clearer career goals?" the interpretation of the results exhibits faculty perception of use of course materials in providing a foundation for developing career goals. From the phrasing of the student comparative question "How much has your experience... ...contributed to your knowledge, skills, and personal development in developing clearer career goals?" the interpretation of the results exhibits student
perception of the use of course materials in providing a foundation for developing career goals. The perception of the faculty and of the student should be a one-to-one comparison.


Figure 11. Faculty (black): To what extent do students' experiences in your selected course section contribute to their knowledge, skills, and personal development in developing clearer career goals? Student (blue): How much has your experience at this college contributed to your knowledge, skills, and personal development in developing clearer career goals? (top left - 2014 survey, top right - 2015 survey, bottom left - 2016 survey, bottom right - 2017 survey)

The results indicate fairly good agreement between faculty and students. Of faculty surveyed, $85 \%$ responded with at least 'some' contribution. By comparison, $88 \%$ of students surveyed responded in the same categories. These results are similar to that of previous years. In 2014, 84\% of faculty responded with at least 'some' contribution while $83 \%$ of students responded similarly. In 2015, $85 \%$ of faculty responded with at least 'some' contribution while $88 \%$ of students responded similarly. And in 2016, $85 \%$ of faculty responded with at least 'some' contribution while $88 \%$ of students responded similarly.

Figure 12, CCFSSE code: FGAINCAR, CCSSE code: GAINCAR, focuses on acquisition of skills for developing gaining information about careers. From the phrasing of the faculty question "To what extent do students' experiences... ...contribute to their knowledge, skills, and personal development in gaining information about career opportunities?" the interpretation of the results exhibits faculty perception of use of course materials in providing development of clearer career goals. From the phrasing of the student comparative question "How much has your experience... ...contributed to your knowledge, skills, and personal development in gaining information about career opportunities?" the interpretation of the
results exhibits student perception of the use of course materials in providing development of clearer career goals. The perception of the faculty and of the student should be a one-to-one comparison.


Figure 12. Faculty (black): To what extent do students' experiences in your selected course section contribute to their knowledge, skills, and personal development in gaining information about career opportunities? Student (blue): How much has your experience at this college contributed to your knowledge, skills, and personal development in gaining information about career opportunities? (top left - 2014 survey, top right - 2015 survey, bottom left - 2016 survey, bottom right - 2017 survey)

The results indicate fairly good agreement between faculty and students. Of faculty surveyed, $90 \%$ responded with at least 'some' contribution. By comparison, $82 \%$ of students surveyed responded similarly. These results are similar to that of previous years. In 2014, $77 \%$ of faculty responded at least 'some' contribution while $79 \%$ of students responded similarly. In 2015, the results were even at $76 \%$. And in 2016, $77 \%$ of faculty responded at least 'some' contribution while $83 \%$ of students responded similarly.

### 2.2.2 Class Behavior

Figure 13, CCFSSE code: FWORKHARD, CCSSE code: WORKHARD, focuses on the perception that students worked harder than they thought in the course. From the phrasing of the faculty question "How often do students... ...work harder than they thought they could to meet your standards or expectations?" the interpretation of the results exhibits faculty perception of student effort and/or determination. From the phrasing of the student comparative question "...about how often have you worked harder than you thought you could to meet an instructor's standards or expectations?" the interpretation of the results exhibits the estimate of the student's effort and/or determination. The perception of the faculty and of the student should be a one-to-one comparison.


Figure 13. Faculty (black): How often do students in your selected course section work harder than they thought they could to meet your standards or expectations? Student (blue): In your experiences at this college during the current school year, about how often have you worked harder than you thought you could to meet an instructor's standards or expectations? (top left 2014 survey, top right - 2015 survey, bottom left - 2016 survey, bottom right -2017 survey)

The results indicate that most faculty feel students work harder than they thought at some point (97\% answered 'sometimes', 'often', or 'very often'). Students exhibit similar views (92\%). These results are similar to that of 2014 (95\% faculty / 89\% students), 2015 ( $93 \%$ faculty / 91\% students), and 2016 ( $82 \%$ faculty / $93 \%$ students). It would appear that, for the most part, faculty and students agree upon the regularity of working harder than expected.

Figure 14, CCFSSE code: FSKIPCLAS, CCSSE code: SKIPCLAS, focuses on the frequency of students skipping class. From the phrasing of the faculty question "How often do students... ...skip class?" the interpretation of the results exhibits faculty perception of student attendance without reasonable excuses. From the phrasing of the student comparative question "...about how often have you skipped class?" the interpretation of the results exhibits the estimate of the student's frequency of skipping class. The perception of the faculty and student should be a one-to-one comparison. Some potential causes of disparity between faculty and students may result from varying perception of student behavior by faculty (Cherif, et al., 2014), and bias related to self-reporting (Donaldson and Grant-Valone, 2002).


Figure 14. Faculty (black): How often do students in your selected course section skip class? Student (blue): In your experiences at this college during the current school year, about how often have you skipped class? (top left - 2014 survey, top right - 2015 survey, bottom left - 2016 survey, bottom right - 2017 survey)

The results indicate that an overwhelming majority of faculty surveyed feel that students skip class at least 'sometimes' (91\%). In contrast, only $48 \%$ of students surveyed answered that they skip class at least 'sometimes'. These results are similar to 2014 and 2015. In 2014, $87 \%$ of faculty responded at least 'sometimes' and $44 \%$ of students responded similarly. In $2015,86 \%$ of faculty responded at least 'sometimes' and $51 \%$ of students responded similarly. In 2016, $82 \%$ of faculty responded at least 'sometimes' and $43 \%$ of students responded similarly.

Figure 15, CCFSSE code: FPAYWORK, CCSSE code: PAYWORK, focuses on the estimate of student work outside of class hours. From the phrasing of the faculty question "About how many hours do you think... ...[students] at this college spend in a typical 7-day week working for pay?" the interpretation of the results exhibits faculty estimate of student work hours for pay. From the phrasing of the student comparative question "About how many hours do you spend in a typical 7-day week working for pay?" the interpretation of the results exhibits the estimate of the student's work hours for pay. The perception of the faculty and of the student should be a one-to-one comparison. Some potential causes of disparity between faculty and students may result from varying perception of student demographics and life situations by faculty, statistics not always common knowledge to faculty (Banta and Kuh, 1998; Hodgkinson, 2001), and bias related to self-reporting (Donaldson and Grant-Valone, 2002).


Figure 15. Faculty (black): About how many hours do you think full- and part-time students at this college spend in a typical 7day week working for pay? Student (blue): About how many hours do you spend in a typical 7-day week working for pay? (top left - 2014 survey, top right - 2015 survey, bottom left - 2016 survey, bottom right - 2017 survey)

The results indicate that faculty tend to somewhat underestimate the number of hours students work for pay. Of the faculty surveyed, responses center on the 21-30 hour per week range. Actual hours as per response from students surveyed exhibits a bimodal distribution where students either work more than 30 hours per week, or don't work at all. Of students surveyed, $51 \%$ of responses were either 'none' or 'more than 30 ' hours. These results are similar to 2014 in which $61.7 \%$ of students responded either 'none' or 'more than 30 ' as well as 2015 , where $54 \%$ of students responded either 'none' or 'more than 30 ', and 2016 , where $59 \%$ responded 'none' or 'more than 30 .'

### 2.2.3 Learning Techniques

Figure 16, CCFSSE code: FMEMORIZE, CCSSE code: MEMORIZE, focuses on course content involving memorization. From the phrasing of the faculty question "How much does the coursework... ...emphasize memorizing facts, ideas, or methods so the students can repeat them in pretty much the same form?" the interpretation of the results exhibits faculty estimates of memorization content. From the phrasing of the student comparative question "...how much has your coursework at this college emphasized memorizing facts, ideas, or methods from your courses and readings so you can repeat them in pretty much the same form?" the interpretation of the results exhibits the student estimate of the memorization content. The perception of the faculty and of the student should be a one-to-one comparison.


Figure 16. Faculty (black): During the current school year, how much does the coursework in your selected course section emphasize memorizing facts, ideas, or methods so the students can repeat them in pretty much the same form? Student (blue): During the current school year, how much has your coursework at this college emphasized memorizing facts, ideas, or methods from your courses and readings so you can repeat them in pretty much the same form? (top left - 2014 survey, top right - 2015 survey, bottom left - 2016 survey, bottom right - 2017 survey)

The results exhibit a large disagreement between faculty and students that has persisted since 2014. Faculty responded to the survey with 'some' or 'very little' $56 \%$ of the time. In contrast, $35 \%$ of students answered similarly. In 2014, 69\% of faculty responded 'some' or 'very little' while $35 \%$ of students responded similarly. In 2015, 64\% of faculty responded 'some' or 'very little' while $31 \%$ of students responded similarly. In 2016, $58 \%$ of faculty responded 'some' or 'very little' while $29 \%$ of students responded similarly. Faculty responding 'some' or 'very little' has decreased somewhat since the previous three years ( $69 \%$ in 2014 down consistently to $56 \%$ in 2017).

Since faculty serve to facilitate the materials, it is reasonable to assume their responses are the better estimate of how much material is of memorization style. If we hold to this assumption, these results indicate that the majority of students treat course materials as memorization content even when they are conceptual, application, or theory; in short, this is a deficit in information literacy of varying degree which has been a common target for methods of improving student learning (Ambrose, et al., 2010; Jackson, 2008; Paul and Elder, 2007). If we do not hold to this assumption, since the method of learning materials can vary from what is expected by the instructor, another cause of disparity in the survey may be the belief by the faculty member that the material is conveyed in a manner that may induce memorization tactics used by students. Regardless of the possibilities, there has been a steady decrease
since 2014. In part, this may be due to an increased awareness among faculty as a result of teaching and learning opportunities presented to faculty in response to the 2014 results. A workshop presented in February 2015 aimed at targeting this area as well as outreach newsletters highlighting these results have been circulated since February 2015.

Figure 17, CCFSSE code: FANALYZE, CCSSE code: ANALYZE, focuses on course content involving analysis. From the phrasing of the faculty question "How much does the coursework... ...emphasize analyzing the basic elements of an idea, experience, or theory?" the interpretation of the results exhibits faculty estimates of analysis content. From the phrasing of the student comparative question "...how much has your coursework at this college emphasized analyzing the basic elements of an idea, experience, or theory?" the interpretation of the results exhibits the student estimate of the analysis content. The perception of the faculty and of the student should be a one-to-one comparison.


Figure 17. Faculty (black): During the current school year, how much does the coursework in your selected course section emphasize analyzing the basic elements of an idea, experience, or theory? Student (blue): During the current school year, how much has your coursework at this college emphasized analyzing the basic elements of an idea, experience, or theory? (top left 2014 survey, top right - 2015 survey, bottom left - 2016 survey, bottom right -2017 survey)

The results indicate fairly good agreement between faculty and student and has been for all four years of the study. Any disparity may be a result of uncertainty of analysis elements among students, or the belief by the faculty member that material is conveyed in a manner that is conducive to recognizing
analytical elements, both of which have been a common target for methods of improving student learning (Paul and Elder, 2010).

Figure 18, CCFSSE code: FEVALUATE, CCSSE code: EVALUATE, focuses on course content involving making judgments of information. From the phrasing of the faculty question "How much does the coursework... ...emphasize making judgments about the value or soundness of information, arguments, or methods?" the interpretation of the results exhibits faculty estimates of maturity in judgment content. From the phrasing of the student comparative question "... how much has your coursework at this college emphasized making judgments about the value or soundness of information, arguments, or methods?" The interpretation of the results exhibits the student estimate of maturity of judgment content. The perception of the faculty and of the student should be a one-to-one comparison.


Figure 18. Faculty (black): During the current school year, how much does the coursework in your selected course section emphasize making judgments about the value or soundness of information, arguments, or methods? Student (blue): During the current school year, how much has your coursework at this college emphasized making judgments about the value or soundness of information, arguments, or methods? (top left - 2014 survey, top right - 2015 survey, bottom left - 2016 survey, bottom right - 2017 survey)

The results indicate fairly good agreement between faculty and student. Any disparity between faculty and students surveyed may be a result of uncertainty on what constitutes judgment of information among students or the belief by the faculty member that the material is conveyed in a manner that may or may not be conducive to recognizing judgment elements, both of which have been a common target for methods of improving student learning (Paul and Elder, 2008).

Figure 19, CCFSSE code: FAPPLYING, CCSSE code: APPLYING, focuses on course content involving the application of theory. From the phrasing of the faculty question "How much does the coursework... ...emphasize applying theories or concepts to practical problems or in new situations?" the interpretation of the results exhibits faculty estimates of theory application content. From the phrasing of the student comparative question "...how much has your coursework at this college emphasized applying theories or concepts to practical problems or in new situations?" The interpretation of the results exhibits the student estimate of theory application content. The perception of the faculty and of the student should be a one-to-one comparison.


Figure 19. Faculty (black): During the current school year, how much does the coursework in your selected course section emphasize applying theories or concepts to practical problems or in new situations? Student (blue): During the current school year, how much has your coursework at this college emphasized applying theories or concepts to practical problems or in new situations? (top left - 2014 survey, top right - 2015 survey, bottom left -2016 survey, bottom right -2017 survey)

The results indicate fairly good agreement between faculty and student. While there is a substantial portion of faculty that now respond 'quite a bit' compared with previous years, the distinction between 'quite a bit' and 'very much' can often be cumbersome and when these two categories are combined little change exists from year to year. Any disparity between faculty and students surveyed may be a result of uncertainty on what constitutes application of theory among students or the belief by the faculty member that the material is conveyed in a manner that may or may not be conducive to recognizing application of theory elements, both of which have been a common target for methods of improving student learning (Detlor, et al., 2012).

Figure 20, CCFSSE code: FPERFORM, CCSSE code: PERFORM, focuses on course content involving the application of theory. From the phrasing of the faculty question "How much does the coursework... ...emphasize having students use information they have read or heard to perform a new skill?" the interpretation of the results exhibits faculty estimates of assembly of information content. From the phrasing of the student comparative question "...how much has your coursework at this college emphasized using information you have read or heard to perform a new skill?" The interpretation of the results exhibits the student estimate of assembly of information content. The perception of the faculty and of the student should be a one-to-one comparison.


Figure 20. Faculty (black): During the current school year, how much does the coursework in your selected course section emphasize having students use information they have read or heard to perform a new skill? Student (blue): During the current school year, how much has your coursework at this college emphasized using information you have read or heard to perform a new skill? (top left - 2014 survey, top right - 2015 survey, bottom left - 2016 survey, bottom right - 2017 survey)

The results indicate fairly good agreement between faculty and student. Any disparity between faculty and students surveyed may be a result of uncertainty on what constitutes assembly of information content among students or the belief by the faculty member that the material is conveyed in a manner that may or may not be conducive to recognizing assembly of information elements, both of which have been a common target for methods of improving student learning (Detlor, et al., 2012).

### 2.2.4 Academic Support

Figure 20, CCFSSE code: FENVSCHOL, CCSSE code: ENVSCHOL, focuses on encouraging study time. From the phrasing of the faculty question "How much does this college emphasize encouraging students to spend significant amounts of time studying?" the interpretation of the results exhibits faculty perception of college campaign for encouragement of study. From the phrasing of the student comparative question "How much does this college emphasize encouraging you to spend significant amounts of time studying?" The interpretation of the results exhibits the student perception of college campaign for encouragement of study. The perception of the faculty and of the student should be a one-to-one comparison.


Figure 21. Faculty (black): How much does this college emphasize encouraging students to spend significant amounts of time studying? Student (blue): How much does this college emphasize encouraging you to spend significant amounts of time studying? (top left - 2014 survey, top right - 2015 survey, bottom left - 2016 survey, bottom right - 2017 survey)

The results indicate fairly good agreement between faculty and student. While there is a substantial portion of faculty that now respond 'quite a bit' compared with previous years, the distinction between 'quite a bit' and 'very much' can often be cumbersome and when these two categories are combined little change exists from year to year.

Figure 22, CCFSSE code: FENVSUPRT, CCSSE code: ENVSUPRT, focuses on college support. From the phrasing of the faculty question "How much does this college emphasize providing students the support they need to help them to succeed at this college?" the interpretation of the results exhibits faculty perception of college support services. From the phrasing of the student comparative question "How much does this college emphasize providing the support you need to help you succeed at this college?"

The interpretation of the results exhibits the student perception of college support services. The perception of the faculty and of the student should be a one-to-one comparison.


Figure 22. Faculty (black): How much does this college emphasize providing students the support they need to help them to succeed at this college? Student (blue): How much does this college emphasize providing the support you need to help you succeed at this college? (top left - 2014 survey, top right - 2015 survey, bottom left - 2016 survey, bottom right - 2017 survey)

The results indicate faculty feel very strongly that there are support pathways in place for students. Of the faculty surveyed, $97 \%$ answered 'very much' or 'quite a bit' when asked if there is emphasis on providing students the support they need and students surveyed answered 'very much' or 'quite a bit' $80 \%$ of the time. Overall, however, there is good agreement between faculty and students in the positive. It is, however, possible that a disparity does exist as a result of limited student exposure to specific college support services (Banta and Kuh, 1998).

Figure 23, CCFSSE code: FIMPACAD, CCSSE code: IMPACAD, focuses on college advising. From the phrasing of the faculty question "How important do you believe academic advising/planning is to students at this college?" the interpretation of the results exhibits faculty opinion on advising needs. From the phrasing of the student comparative question "How important is academic advising/planning to you at this college?" the interpretation of the results exhibits the student opinion on advising needs. The perception of the faculty and of the student should be a one-to-one comparison.


Figure 23. Faculty (black): How important do you believe academic advising/planning is to students at this college? Students (blue): How important is academic advising/planning to you at this college? (top left - 2014 survey, top right -2015 survey, bottom left - 2016 survey, bottom right - 2017 survey)

The results indicate fairly good agreement between faculty and students. Of faculty surveyed, 100\% responded that academic advising/planning is 'very' important. By comparison, $76 \%$ of students surveyed responded in the same categories. Of the students surveyed, $4 \%$ responded 'Not at all'. These results are similar to previous years, although faculty results exhibit the highest response rate for 'very' of all years in 2017.

Figure 24, CCFSSE code: FIMPCACOU, CCSSE code: IMPCACOU, focuses on career counseling. From the phrasing of the faculty question "How important do you believe career counseling is to students at this college?" the interpretation of the results exhibits faculty opinion on career counseling. From the phrasing of the student comparative question "How important is career counseling to you at this college?" the interpretation of the results exhibits the student opinion on career counseling needs. The perception of the faculty and of the student should be a one-to-one comparison.


Figure 24. Faculty (black): How important do you believe career counseling is to students at this college? Student (blue): How important is career counseling to you at this college? (top left - 2014 survey, top right - 2015 survey, bottom left - 2016 survey, bottom right - 2017 survey)

The results indicate moderate agreement between faculty and students. Of faculty surveyed, 100\% responded that career counseling is 'somewhat' or 'very' important. By comparison, $77 \%$ of students surveyed responded in the same categories. Of the students surveyed, $23 \%$ responded 'Not at all'. These results are similar to that of 2014 through 2016.

Figure 25, CCFSSE code: FIMPJOBPL, CCSSE code: IMPJOBPL, focuses on job placement assistance. From the phrasing of the faculty question "How important do you believe job placement assistance is to students at this college?" the interpretation of the results exhibits faculty opinion on job placement. From the phrasing of the student comparative question "How important is job placement assistance to you at this college?" the interpretation of the results exhibits the student opinion on job placement assistance. The perception of the faculty and of the student should be a one-to-one comparison.


Figure 25. Faculty (black): How important do you believe job placement assistance is to students at this college? Student (blue): How important is job placement assistance to you at this college? (top left - 2014 survey, top right -2015 survey, bottom left 2016 survey, bottom right - 2017 survey)

The results indicate moderate to low agreement between faculty and students. Of faculty surveyed, $100 \%$ responded that career counseling is 'somewhat' or 'very' important. By comparison, $61 \%$ of students surveyed responded in the same categories. Of the students surveyed, $31 \%$ responded 'Not at all'. These results are similar to that of 2014 through 2016.

## 3 CONCLUSIONS

In Florida SouthWestern State College's QEP requires measures of success in promoting critical thinking towards enhancing first-year student success. The program employs CCSSE and CCFSSE surveys to that end. The results of the surveys can be used to drive instruction going forward.

FSW's goal of $3 \%$ above 'extra-large college' weighted scores in the Academic Challenge benchmark of CCSSE was not met. The benchmark weighted score for extra-large colleges was 51.5. This is a difference of $+1 \%$ from the extra-large college score of 50.4 . FSW's goal of $3 \%$ above 'extra-large college' weighted scores in the Student-Faculty Interactions benchmark was nearly met. The benchmark score for 2016 for Florida SouthWestern was 50.0. This is $2 \%$ above the extra-large college weighted score of 48.2. FSW's goal of $3 \%$ above 'extra-large college' weighted scores in the Active and Collaborative

Learning benchmark was met. The benchmark score for Florida SouthWestern was 52.6. This is $3 \%$ below the extra-large college weighted score of 48.2. For details, see Appendix A.

Questions applicable to faculty and students yielded information about the perception and estimate of five topics applicable to both groups. Co-evaluated surveys such as these have the potential to be weighed when assessing student evaluation of instruction surveys as they provide support for interpretation of student opinion. The topics are:
> Course Assignments
$>$ Class Behavior
> Learning Techniques
$>$ Academic Support
Of those topics, 25 survey questions were reviewed. A drilldown of notable results are as follows:

1. When asked if two or more drafts of a paper are prepared before turning it in, the faculty surveyed significantly dropped from $44 \%$ reporting "Never" in 2016 to $25 \%$ in 2017. However, it should be noted that the 2017 CCFSSE no longer offered "Don't Know" as an option, thus forcing a specific response which may have skewed interpretation of results. Students continue to selfreport similar results over the last four years (2014-2017).
2. When faculty were asked 'how often do students in your selected course section receive prompt feedback (written or oral) from you about their performance?' in both 2014 and 2015, faculty response of 'often' was $35 \%$ and $36 \%$, respectively. Similarly, 'very often' response was $55 \%$ and $58 \%$, respectively. In contrast, in 2016, $45 \%$ of faculty responded 'often', up $9-10 \%$ from previous years, and $47 \%$ responded 'very often', down $8-11 \%$ from previous years. This trend reversed in 2017.
3. When asked if to what extent do students' experiences in your selected course section contribute to their knowledge, skills, and personal development in thinking critically and analytically results indicate fairly good agreement between faculty and students that, over time, as diverged. In 2014, of faculty surveyed, $84 \%$ responded 'quite a bit' or 'very much'. In that same year, by comparison, $72 \%$ of students surveyed responded with either 'quite a bit' or 'very much.' Contrast that with 2017 where $97 \%$ of faculty responded 'quite a bit' or 'very much' compared with just $77 \%$ of students. Some causes for the disparity in these results may stem from two pathways. The first again involves the success of the General Education Curriculum. In AY 2016-2017 the General Education assessment focus included critical thinking. The second possible cause for the disparity in the survey results may again lie with the students. Students surveyed may be unaware of what is described as critical thinking even if they are conducting such activities in a course.
4. When asked how often do students in your selected course section skip class an overwhelming majority of faculty surveyed feel that students skip class at least 'sometimes' (91\%). In contrast, only $48 \%$ of students surveyed answered that they skip class at least 'sometimes'. These results are similar to 2014 and 2015. In 2014, $87 \%$ of faculty responded at least 'sometimes' and $44 \%$ of students responded similarly. In 2015, $86 \%$ of faculty responded at least 'sometimes' and $51 \%$ of students responded similarly. In 2016, $82 \%$ of faculty responded at least 'sometimes' and $43 \%$ of students responded similarly.
5. When asked how much does the coursework in your selected course section emphasize memorizing facts, ideas, or methods so the students can repeat them in pretty much the same
form results exhibit a large disagreement between faculty and students that has persisted since 2014. Faculty responded to the survey with 'some' or 'very little' $56 \%$ of the time. In contrast, $35 \%$ of students answered similarly. In 2014, $69 \%$ of faculty responded 'some' or 'very little' while $35 \%$ of students responded similarly. In $2015,64 \%$ of faculty responded 'some' or 'very little' while $31 \%$ of students responded similarly. In 2016, $58 \%$ of faculty responded 'some' or 'very little' while $29 \%$ of students responded similarly. Faculty responding 'some' or 'very little' has decreased somewhat since the previous three years (69\% in 2014 down consistently to 56\% in 2017).

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