

Statistics with Corequisite Survey Results

Fall 2018

In fall 2018, Citrus College made changes to transfer-level math courses under the implementation of AB 705 with the purpose of increasing completion within a one-year timeframe. These changes included students' placement in the math course sequence, classroom redesign and pedagogy. To better understand the student experience as a result of these modifications, students were surveyed about their experience in the newly redesigned Introductory Statistics with Corequisite support (MATH165 + 065) during the fall 2018 semester. The following is a summary of the survey results.

Overall, most students (over 83%) found the class teaching materials – calculator, whiteboard, worksheets, etc. – to be the most helpful to their learning experience. Students also found the learning environment – group work and the instructor's lectures – to be helpful tools to their success in the class. Similarly, the group work was reported as not only being helpful, but effective in helping students learn. It also provided students a sense of responsibility and community. The workbook was found to be the least helpful with only about 50% of students rating it moderately helpful or very helpful.

Around half of students who took the survey reported using STEM Center tutoring at least once. However, less than half of them found this type of tutoring to be helpful. Over three-quarters of students did report finding the in-class tutor to be helpful.

About 73% of students felt that this course was the right level for them.

Below is a more detailed ranking of the survey results.

Q1. How would you rate the helpfulness of each of the following teaching methods and materials used in this course?

95% of students or more rated _____ as moderately helpful or very helpful

- Calculator (96.2%)

85 – 94% of students rated _____ as moderately helpful or very helpful

- Whiteboard (88.7%)

80 – 84% of students rated _____ as moderately helpful or very helpful

- Quality of materials provided -e.g. worksheets, PowerPoint presentations, etc. (83.3%)
- Working in groups (82.6%)
- Instructor's lectures (81.5%)

70 – 79% of students rated _____ as moderately helpful or very helpful

- Manipulatives - e.g. dice, coins, cards, etc. (76.3%)
- Movable furniture (72.6%)
- Diversity of format for the content delivered - e.g. video, audio, online, etc. (71.4%)

69% of students or less rated _____ as moderately helpful or very helpful

- Workbook (50.6%)

Q2. During this semester, how often did you use: STEM Center tutoring

- 57.6% of students used **one-on-one** STEM Center tutoring at least once.
- 50.8% of students used **study group** STEM Center tutoring at least once.

Q3. How would you rate the helpfulness of each of the following services used in this course?

70 – 79% of students rated _____ as moderately helpful or very helpful

- In-class tutor (77.5%)

69% of students or less rated _____ as moderately helpful or very helpful

- STEM Center tutor - study group (47.1%)
- STEM Center tutor - one-on-one (46.5%)

Q4. How much do you agree or disagree with the following statements?

85 – 94% of students agree or strongly agree with the following statements

- Group work (i.e. working with peers) was effective in helping me learn in this course. (89.9%)
- I gained a sense of responsibility by being in this course. (88.5%)
- My instructor helped me succeed in this course by reviewing foundations skills right before we tackled more complex problems. (87.0%)
- I gained a sense of community by being in this course. (86.4%)

80 – 84% of students agree or strongly agree with the following statements

- The instructor's lectures were effective in helping me learn in this course. (83.2%)
- The collaborative learning environment is one reason I came to class. (80.4%)

Q5. Which of the following best captures your feeling about this course?

- 72.5% of students felt the course was the right level for them.