

## Course Information

**Course:** Precalculus I (31) and Algebra Support for Precalculus I (231)

Instructor: Patrick Allmann

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Class meeting: 1:30-3:45pm Tuesday and Thursday, 2020 (Sep 22 - Dec 3)

Office Hours: Wednesday 2-3:30pm on Zoom. Also by appointment.

Prerequisite: Intermediate Algebra (MATH 109, MATH 114 or MATH 130) or equivalent.

## Textbook

OpenStax, Precalculus. OpenStax CNX. 2017. <https://openstax.org/details/books/prec calculus>

## Assignments

Assignments consist of weekly homeworks, practice quizzes, discussions or worksheets and peer reviews, and two exams.

- Homework assignments consist of possibly challenging but hopefully interesting problems. Due Dec 4, the Friday before finals week. They will be assigned weekly, so it's recommended your solutions are uploaded weekly as well. Corrections of drafts of solutions are accepted until Dec 4 as well. Feedback and solutions are given.
- Practice quiz problems are computational and from the textbook. Due Dec 4 but again weekly upload is recommended. Some feedback and some solutions are given.
- Either a discussion board with a writing prompt or a worksheet is uploaded every week. These questions will tend to be more application based.
  - For the discussion board, your responsibilities include making a post responding to the prompt and replying to at least two other classmate's posts.
  - If a worksheet is uploaded, then it is asked that you complete and upload solutions to the worksheet, and follow a rubric and solutions in order to give feedback on another classmate's upload of the same material.
  - Since other students rely on your timely replies or feedback, the discussion post or worksheet solutions are due each Wednesday night at 11:59pm. And replies or feedback is due each Friday night at 11:59pm.
- The first exam is due Oct 30. One draft of corrections is accepted, a week after the first is graded.
- The second and final exam is due Dec 10 at 11:59pm.

# Grading

The homeworks, quizzes, discussions/worksheets and peer reviews are graded for completion. In other words, if you follow the assignment instructions and satisfy each required item for that assignment, you will receive full credit. Make sure you understand what the assignment is asking you to do and have reviewed any examples from the notes or text before submitting your work. I encourage you to get in touch with me at least 48 hours before the assignment due date if you do not understand what is required of you for full credit.

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## "A" Grade

In order to receive an "A" in this course you must

EITHER

- Complete at least 8 homework assignments.
- Complete all discussions and worksheets including peer reviews.
- Complete the first and second draft of the first exam. Your second draft must implement all feedback and address all questions you receive from me on your first draft.
- Complete the final exam.
- Obtain an average of at least 80% on the two exams.

OR

- Obtain an average of at least 95% on the two exams.
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## "B" Grade

In order to receive a "B" in this course you must

- Complete at least 4 homeworks and 4 practice quizzes.
  - Complete at least 7 discussions and worksheets including peer reviews.
  - Complete the first and second draft of the first exam. Your second draft must implement all feedback and address all questions you receive from me on your first draft.
  - Complete the final exam.
  - Obtain an average of at least 70% on the two exams.
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## "C" Grade

In order to receive a "C" in this course you must

- Complete at least 8 practice quizzes.
- Complete at least 6 discussions and worksheets including peer reviews.

- Complete the first and second draft of the first exam. Your second draft must implement all feedback and address all questions you receive from me on your first draft.
  - Complete the final exam.
  - Obtain an average of at least 60% on the two exams.
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## **"D" and "F" Grades**

If you satisfy all items for a "C" grade except the last item (the average of your exams is less than 60%), then you will receive a "D."

If you have either not completed the first three items nor the fourth item for a "C" grade, then you will receive an "F."

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## **"+" and "-" Grades**

- A+ is rewarded either if all of the homework assignments are completed as well as an average of 90% on both exams or an average of 98% is achieved on the two exams.
- B+ is rewarded if the B requirements are met and an average of at least 80% on both exams is attained.
- C+ is rewarded if the C requirements are met and an average of at least 70% on both exams is attained.
- "-" grades are obtained if any three of the assignments from the first two bullet points are not completed by Dec 4.

## **Academic Integrity**

All written homework assignments, quizzes, discussions, worksheets, peer review and exams must be completed by you. If you cannot solve a problem, please ask me for help. If you copy a solution from somewhere else, you will receive no credit for that assignment. If you plagiarize or have someone else complete your project or copy a solution on an exam, you will either receive a "0" on the assignment or you may receive an "F" in this course. You may also be reported to the division dean and dean of students.

[https://deanza.edu/policies/academic\\_integrity.html](https://deanza.edu/policies/academic_integrity.html)

## **Adds/Drops/Withdrawals**

Saturday, October 3: Last day to add. If I give you an add code, please use it as soon as possible in case there are any issues. I do not have the power to add students after October 3 for any reason.

Sunday, October 4: Last day to drop without a "W". It is your responsibility to drop this class. Do not assume that I will drop you if you stop participating in class.

Friday, November 13: Last day to drop with a "W".

**Student Learning Outcome(s):**

- \* Investigate, evaluate, and differentiate between algebraic and transcendental functions in their graphic, formulaic, and tabular representations.
- \* Synthesize, model, and communicate real-life applications and phenomena using algebraic and transcendental functions.