



Archbishop
MOELLER

CP1 Calculus

MA461

Mr. Nelson

CP1 Calculus

Course Information:

1. Mathematics Department
2. Year long course
3. Senior level course
4. Pre-requisite – 80% in CP1 Pre-Calculus



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Course Description:

CP1 Calculus is roughly equivalent to first semester college calculus courses and covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations.

- Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.



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Academic Requirements:

1. Typically 60 minutes of homework per class period
2. No papers/major projects
3. Reading the text for further support is recommended.
4. 3-4 tests per quarter.
5. Approximately 3-4 hours outside of class time would be expected per week for the student to be successful.



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- This course requires strong algebra skills and mastery of geometry and trigonometry concepts from previous courses. While some review of such concepts will occur during the course, time spent reviewing will be minimal.
- Students who wish to pursue a career related to mathematics, science, engineering, or medicine should take this course.



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