

# DCC Calculus

Mr. Haaland

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## The Course

This is a college level course in Calculus 1 offered by DCC (called MAT221 by the college) that is taught over the entire year. Students will study topics in Limits, Calculating Derivatives, Curve Sketching, Motion, Optimization, Related Rates, and Integration. Select topics from Calculus 2 will be added as time permits. Students will have the opportunity to earn 4 college credits. (Prerequisite: Precalculus or Precalculus Honors (DCC MAT 185) and teacher recommendation)

## Classroom Expectations

Our classroom will be a positive learning environment where all students are welcome, valued and prepared. The foundation for our community is the execution and observation of behavior that follows John Jay's School Wide Expectations:

- **Collaborate**
- **Respect**
- **Engage**
- **Act Appropriately**
- **Manage Time Effectively**
- **Excel**

Students are expected to follow the code of conduct at all times. Consequences for misbehavior include those listed in the code of conduct, including lunch or after school detention.

## Tips for Success

- Come to class, attendance is extremely important.
- Do what you are asked to do, stay on top of the material.
- Participate in class, ask questions and contribute to class discussions.
- Take advantage of extra help when needed. I will be available after school for extra help. Let me know if you need to stay, and we will make the arrangements. I hope you will take advantage of this time if you are having difficulties with the material being covered in class.

## Grading

- Your final grade will be calculated as follows

1 <sup>st</sup> Quarter	20%
2 <sup>nd</sup> Quarter	20%
3 <sup>rd</sup> Quarter	20%
4 <sup>th</sup> Quarter	20%
Final/Midterm Exam	20%

- Your quarterly grade will be calculated based on a total points formula. Each test, quiz or homework will be worth a predetermined number of points. Your average will be calculated by dividing the points you have earned by the total number of points available.
- Homework will be assigned and checked on a regular basis. Homework will receive one of three grades: 2 points for full credit, 1 point for half credit and 0 points for no credit. If you are absent from class you are required to get and show me the completed assignment to get credit. If you fail to do this you will get a zero for these assignments. Late homework will not be accepted.
- A quiz will only be a few questions and will usually last for half the period or less. Some will be announced and others will not. There will be about one quiz per week.
- Tests will come at the end of a unit. They will usually last the whole period. There will be a test every two to three weeks.
- Any quiz or test that is missed due to absence must be made up in one week. Failure to do so will result in a grade of zero.