

McQuaid Jesuit Calculus Boot Camp!

Summer 2024

This 3-day workshop is open to any students at McQuaid.

The cost is \$250.

It is **required** for the following students:

- 1) If you were in REGULAR Pre-Calculus in 2023/2024.
- 2) If you were in College Calculus in 2023/2024.
- 3) If you were NOT in a Calculus course in 2023/2024.

AND you plan to take AP Calc in 2024/2025. (You will need to be “approved” for this as well).

Below are the dates and times, along with an outline of material covered.

Each day runs from 9am to 3:30pm.

June 24th	Limit of the Difference Quotient ... to the Derivative of a function. Limits of functions The Derivative at a Point versus an average rate of change Position, velocity and acceleration Derivative Rules Implicit Differentiation Tangent Line Approximations
June 25th	Related Rates & Optimization problems 2 nd Derivative Logs and exponents Distance traveled / Intro to Integration The definite integral versus indefinite integration Slope Fields Solving Differential Equations
June 26 th	Antiderivatives The definite integral as Area and Average Mean Value theorem for Integration Review

Students will be given 30 minutes for lunch; they can bring their own (refrigerator available).

Mr. Daniel Brady will be teaching the course.

If you have questions, please email him at dbrady@mcquaid.org