



Archbishop MacDonald Catholic High School

Course Math 20-1 IB

Year 2025-2026

Term Semester 1

Teacher(s) Mrs. Susanne Tucker Susanne.Tucker@ecsd.net
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Resources Prescribed Text: Foundations and Pre-Calculus Mathematics 11 (MacGrawHill)
Calculator Standard: TI-83+, TI-84, or equivalent GDC

Program of Studies [Link](#)

Overview This first course in the Pre-calculus pathway is designed to provide students with mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. The topics of study include:

Quadratic Functions & Equations
Systems, Inequalities & Absolute Value
Radical Expressions and Equations
Rationals & Reciprocals
Sequences
Trigonometry



IB Philosophy

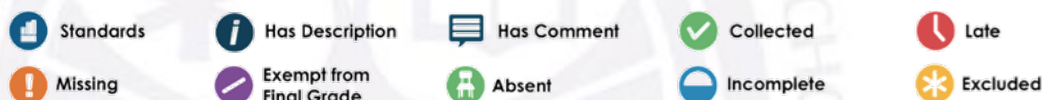
MAC's courses use the IB philosophy to encourage the holistic development of all students. The Learner Profile and Approaches to Teaching and Learning are used at all levels so that students develop a better understanding of curriculum objectives. This course will focus on the Learner Profile for THINKERS because we use critical and creative thinking skills to act on complex problems. Our Approaches to Learning skill will be THINKING because we emphasize skills such as reflection and critical thinking.

Assessment

The assessment plan for the course will be a balance of assessment for learning, assessment as learning, and assessment of learning. Your summative grade will be calculated **cumulatively** throughout the semester with the following:

Tests	80%
Final Exam	20%

The code NHI may be used to represent coursework that has not been handed in. It is representative of a zero. In addition, the following may appear for a student in PowerSchool instead of, or in addition to, a numeric grade:



Disclaimer

A wide range of assessment information is used in the development of a student's final grade. At Archbishop Macdonald Catholic High School, individualized assessments provide specific information regarding student progress and overall performance in class. Student assessment may vary from student to student to adapt for differences in student needs, learning styles, preferences, and paces. It should also be noted that not all assignments are used to determine the final grade, and that scale factors may have been used to determine the weight of individual assignments.

Personal Mobile Device Standards

Mobile Devices and Social Media Use:

- Personal mobile devices are to be silenced or turned off and stored in the student's assigned locker during the day, which must be locked.
- No personal mobile devices are to be used during the day except for at lunch.
- No social media is to be accessed during the school day.
- The standards for Personal Mobile Devices includes cell phones, SMART watches, earbuds, and headphones
- Non-compliance with the standards will result in consequences of a suspension or loss of privileges such as participation in school trips, or activities, sports teams, and extracurricular activities.

Expectations

Unexcused absences and/or lates are unacceptable and may have a negative effect on the grade. Missed coursework may be expected to be completed and may be scored as zero or NHI until submitted (see disclaimer).

Student Handbook [LINK](#)

Academic Integrity [LINK](#)

