

Foundations of Calculus/AP Statistics Syllabus

Course Overview: During their Junior year, MST students will take two math courses: Foundations of Calculus and AP Statistics. During the first semester, we will finish covering the topics in Precalculus, explore different systems of analysis, develop a more sophisticated and critical thought process, and begin to cover topics in Calculus I. At the end of the first semester, we will briefly revisit the Statistics topics covered in Freshman year. Throughout the 2nd semester, we will complete the AP Statistics standards, preparing the students for the AP Statistics Exam in May. The two main objectives of this course are to lay the necessary foundation for success on the AP Calculus Exams, as well as to give students tools to be successful in subsequent courses.

Supplies:

- Binder (1.5 to 2 inch)
- Notebook paper
- Colored Pen (not blue or black)
- Highlighter
- Graphing Calculator (TI-84):

Quarter Grades:

- **20% Participation:** Students will be given 120/100 points per quarter for attendance, homework and participation. Students will LOSE these points by not being in class, not completing or not participating in expected classroom assignments/tasks. Students can expect to have homework each day, approximately 3-5 hours/week. **Late work is NOT accepted.** If students have an excused absence for the day, they are responsible to complete all notes and homework when they return to receive points for that day. For school function absences and when possible, absent students should access www.morinmath.com and complete daily notes and assignments.
- **80% Assessment:** Assessments vary in time, length, and format/experience. There will be Topic/Section quizzes as well as mid- chapter quizzes. Tests will be given at the completion of each chapter/unit. Other projects will be evaluated as “assessments” and include both individual and group work. Tests will often incorporate a calculator and a non-calculator portion and consist of short answer and multiple-choice type questions. Questions from previous AP exams will be included in assessment. Students will also be given random quizzes based on the homework. These will be based on their homework assignments and graded on accuracy.

Semester Grades:

- 40% 1st Quarter Grade
- 40% 2nd Quarter Grade
- 20% Exam Grade

Technology: Weebly (www.morinmath.com) and Remind.com Code: @morin2021

Students are expected to be registered and signed up for both resources to stay up to date on class updates. Please feel free to contact me via email at any time this year! Looking forward to a great year.

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