

Calculus Syllabus

School: Middleton Academy

Course Description:

Students in this course will walk in the footsteps of Newton and Leibnitz.

An interactive text and graphing software combine with the exciting on-line course delivery to make calculus an adventure. The course includes a study of limits, continuity, differentiation, and integration of algebraic, trigonometric, and transcendental functions, and the applications of derivatives and integrals.

Calculus is an Honors-level course.

Access the site link below to view the course description from the Florida Course Code Directory:

<http://www.floridastandards.org/Courses/PublicPreviewCourse11.aspx>

Course Prerequisites:

Algebra I, Geometry, Algebra II, Pre-Calculus or Trigonometry/Analytical Geometry

Estimated Completion Time:

2 semesters

Course Assessment and Participation Requirements:

To achieve success, students are expected to submit work in each course weekly. Students can learn at their own pace; however, “any pace” still means that students must make progress in the course every week. To measure learning, students complete self-checks, practice lessons, multiple choice questions, projects, discussion-based assessments, and discussions. Students are expected to maintain regular contact with teachers; the minimum requirement is monthly. When teachers, students, and parents work together, students are successful.

Materials:

- Students should have access to a computer.
- Students should have internet access. Continuous broadband Internet access is recommended.
- The ability/permission to install plug-ins or software (e.g., Adobe Reader or Flash) is recommended.
- The ability to download and save files and documents to a computer is recommended.

