Seaside High School

**Course Title**: Calculus

**Course Description**: In calculus, you will study limits, derivatives and integrals, and applications of all these ideas. Your study will be based on a balanced approach. You will be asked to solve graphically, support numerically, confirm analytically and solve algebraically, all while applying calculus to problem situations.

1. Prerequisites for Calculus
2. Limits and Continuity
3. Derivatives
4. Applications of Derivatives
5. The Definite Integral
6. Differential Equations and Mathematical Modeling
7. Applications of Definite Integrals
8. \* L’Hopital’s Rule, Improper Integrals and Partial Fractions
9. \* Infinite Series
10. \* Parametric, Vector and Polar Functions

\*Time permitting; we will touch upon these topics.

**Faculty**: Poetsch

**Email:** jpoetsch@seaside.k12.or.us

**Common Core Curriculum Standards Learned in this Course:** See Attached

**Grading Policies**: Assignments 20%

Tests 40%

Quizzes 40%

**Grade Determined by the following Scale:**

A 90%

B 80%

C 70%

D 60%

F below 60%

**Assignments:**

* Due following day or as assigned

**Quizzes:**

1. Short quizzes to check for understanding

* **One retake within one week, new score counts toward grade.**

**Tests:**

* Cover current chapter
* One attempt. Graded on performance

**Class Expectations:**

1. Regular attendance
2. Come to class prepared. (Book, calculator, paper, pencil, notebook)
3. Complete homework assignments and turn in on time
4. Ask questions
5. Study for quizzes and tests
6. Take daily notes and read the assignment **before** class time
7. Retake quiz as soon as possible if needed

**General Information:**

* No Spiral Notebooks (except for notes)
* Keep past assignments
* Maximum of 5 hall passes per term

**Extra Credit:**

1. There are no extra credit assignments.