AP Calculus AB Syllabus

Teacher: Cathy Eagen -- period 2, 3, 4 & Lunch
Team-Teaching with Brian Geisinger period 2
Location: W2117
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Class website: http://eagenabcalc2017.weebly.com/

Course Description: Students in AP Calculus AB will study the two problems of calculus: the problem of finding the slope of the tangent line to a curve at a point and the problem of finding the area under a curve on a stated interval. The concept of a limit will serve as the foundation upon which the two problems are solved. Techniques of differentiation and integration will be learned. Students will apply their learning to related rate, optimization, differential equations, modeling real-world phenomena, area, and volume problems.

Required Textbooks/Materials: Hughes-Hallett, Gleason; Calculus, Sixth Edition, John Wiley & Sons, Inc.
TI Graphing Calculator: Preferred technology includes TI-83 or TI-84 or TI-Inspire or TI-89.

AP Calculus Exam: Check with the colleges and universities that you are interested in attending to see what scores they accept and how credit/placement is awarded at that school.
https://apstudent.collegeboard.org/creditandplacement/search-credit-policies

AP Exam Date: Tuesday, May 15th, 2018 – 7:40 a.m

100% -- Evaluation/Grading Procedures:
- **10% -- Professional and Positive Behavior Expectations:**
  The Durango High School Rubric will be used each quarter.
- **25% -- Formative Assessments:**
  Daily homework will be graded for completion. Learning target checks will occur almost daily and will be graded for accuracy and competency. Quizzes will be announced and may be "Mastery-Reformed".
- **45% -- Summative Assessments:**
  Summative Assessments include Unit Tests. Mastery Reform will be allowed on one exam per semester.
- **20% -- Final Exam:**
  A final exam is required each semester and will be counted as 20% of a student's grade.

Grading Scale:
90%-100% A   80%-89% B   70%-79% C   60%-69% D   --   59% F

Attendance: Attendance is mandatory. Students with excused absences will be allowed two days for the first day missed and a day for each day they are absent after the first day to make up the work that they missed. Unexcused absences will mandate a grade of zero for each grade taken on the day of class missed.

Web Access for HW: Students may access their assignments for any day of class on our class website:
http://eagenabcalc2017.weebly.com/

Absences: Students involved in school activities who know when they will miss class should obtain their assignments **prior to leaving for their event**. Work that is due (including tests and quizzes) on a day that a student has a school activity should be turned in prior to the absence for the activity <u>or</u> on the day that the student returns to class.

General Expectations and Rules:
- The 6 P's
  - Prompt
  - Prepared
  - Polite
  - Positive Mental Attitude
  - Participate
  - Produce
- Respect each other.
- Respect the classroom space and time.
- No cell phones, i-pods, or sunglasses in use in the classroom at any time.
- You must use my hall pass to be able to leave the room for bathroom/locker/etc. Only one student at a time.

Growth Mindset Students are to consistently work toward their own success by:
- ❖ Being organized, prepared, and prompt
- ❖ Collaborating effectively and efficiently with others
- ❖ Using appropriate tools to aid their learning
- ❖ Asking probing questions of themselves, their peers, and the teacher
- ❖ Self-assessing their progress in the daily and long-term learning targets
- ❖ Working to achieve their highest level of understanding in AP Calculus

Signatures

I have read and understood this syllabus.

Student signature: _____ Date: _____

Parent signature: _____ Date: _____