

TPHS Calculus III (D) ❖ SDSU Math 252

Ms. Abby Brown – Torrey Pines High School

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Course Description (from SDSU catalog)

Math 252. Calculus III. 4 units. (CAN Math 22) Prerequisite: Math 151 with minimum grade of C. Functions of several variables. Vectors. Partial derivatives and multiple integrals. Line integrals and Green's Theorem.

Note that SDUHSD students may meet the prerequisite by passing the Advanced Placement Calculus BC Exam with a score of 3 or higher. *Also, there is a course fee of \$408.* (Details about payment will be explained in class.)

Bring EACH DAY

- Pencil, Paper, Course Notes
- Notebook (Recommended sections: Homework, Notes, Projects & Quizzes)
- Book: *Calculus: Early Transcendentals* by James Stewart, Sixth Edition
- Recommended: Graphing Calculator, *Mathematica* (for home use), VHS video tape

Guidelines and Expectations

- Respect
 - Each other (paying attention, letting everyone participate, etc.)
 - Environment (classroom, materials, furniture, **no food or drinks**, etc.)
 - Honesty: **The TPHS Academic Honesty Policy will be carefully followed and strictly enforced.**
- Effort
 - Ask questions, have a positive attitude, be willing to try new things.
 - You must turn work in on time to receive full credit.
 - Work neatly.
- Evaluation
 - Question the quality of your own work.
 - Is this work you would expect of a college student?
 - How could you have done this assignment better?
 - Let me, the teacher, know when something
 - Goes very well or goes very badly.
 - Can be done to help you learn better.

Grades

- 80% → Tests
- 10% → Homework
- 10% → Presentations, Quizzes, & Computer Activities

- 100% → Final Grade

Note: The only "extra credit" in this course is a few bonus questions on tests.

Tests

- Three Exams during the semester, each worth approximately 50 points.
- One Final Exam, possible points may range from 75 to 100 and exam may be given in two parts.
- All students should be in class on the day of a test. If you are absent:
 - I expect a note, e-mail, or phone call from a parent/guardian on the test day or soon after.
 - The absence must also be excused through the attendance office.
 - You will take a make-up exam as soon as possible and not more than one week after returning. Make-up exams are different than the original test, are difficult, and will not have any bonus questions.
- During a Test:
 - No one will be excused to use the restroom. (Go before class.)
 - Ask for scratch paper if you need some.
 - All class materials will be clearly put away.
- Students should not discuss a test with anyone after taking it. (You don't know who is listening.)
- Do not ask your friends about the test. This pressures them to tell you something they shouldn't.
- Tests may vary by class period. However, sharing any information about the test is still not allowed.
- There are no re-takes for tests and no tests are dropped from grades.

Homework

- Please do homework in pencil.
- Copy problems and show all work.
- Homework Assignment Sheets are available on the Calculus D Notes web page. These assignments are subject to change. Any changes will be announced in class.
- You are responsible for getting the assignments if you are absent. Contact a friend or Ms. Brown.
- Homework will be collected and graded before each exam.
- *Students should be prepared to discuss and review homework assignments at the beginning of each corresponding class.* If students fail to do this, homework procedures and policies may change.
- *Even though grades are based on completion, students are expected to do their best to fully complete and understand each problem.*

Quizzes

- There will be approximately one quiz per chapter.
- Quizzes are available on the Calculus D Notes web page.
- Quizzes are assigned as take-home worksheets and will be graded for completion.
- Quizzes will be discussed and are due in class the class period after they are assigned.
- Late quizzes will not be accepted.
- Students should use quizzes as an opportunity to assess current understanding of the material. Textbooks, course notes, and calculators should only be used after completing as much as possible by yourself.

Projects and Computer Activities

- Students will give approximately two or three presentations to the class with a partner.
- Several different computer activities will be assigned throughout the semester.
- Assignments are to be completed with the computer program *Mathematica*. Students can use *Mathematica* for free in the Torrey Pines Media Center or can purchase it through www.wolfram.com.
- Details about projects and computer activities will be explained in class and are available online.

Dear Students and Parents/Guardians,

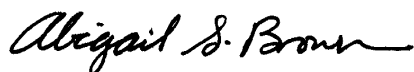
This class is a unique opportunity for the students in the San Dieguito Union High School District. We are very fortunate to have the cooperation of the Math Department at San Diego State University to award college credit to students who are successful in this course. I will communicate with you regarding the details of course fees and enrollment procedures as they become available.

Please note that, as a participant in a 4 unit college course, students are expected to spend significant, meaningful time outside of class working on assignments, reviewing material, and preparing for exams. One “rule of thumb” is that students should be committed to work toward mastery at least 2 hours per unit per week outside of class; that is 8 hours per week for a 4 unit course.

Also, as part of a standards-based curriculum at TPHS and throughout SDUHSD, students will be engaged in a variety of instructional strategies and assessments. Through presentations, interviews, pictures, project journals, reflective writing, peer critique, and videotape I hope to record the progress of students’ learning. My goal is to enhance all students’ learning through reflective practice, a framework for learning that my colleagues and I have found motivating and effective. One of the strategies that I employ to cultivate my own learning as an educator is to share what I do in my class with others—teachers, administrators, parents, students, and professionals in and outside of the Torrey Pines High School community.

I am looking forward to this new school year with much enthusiasm. Each student will have the opportunity to explore new mathematical ideas and share what they have learned with others. If you have any questions or concerns please contact me through the school at (858) 755-0125 ext. 2120 (voice mail) or abby.brown@sduhsd.net (e-mail preferred).

Thank You,



www.abbymath.com

Name: _____ Period: _____

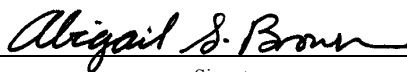
Please print this page, sign the form below, and return this entire page to Ms. Brown.

I have read and understand the class description and agree to do my best to fulfill the requirements for Ms. Brown’s TPHS Calculus III (D) / SDSU Math 252 class for the semester. I also understand that there is a semester course fee of \$408 paid to SDSU.

This class becomes TPHS Linear Algebra / SDSU Math 254 for the second semester. The class expectations will remain the same, but the grading policy and number of exams will change. See www.abbymath.com for details about Linear Algebra. There is an additional course fee of \$306 paid to SDSU that will be required in February.

Abigail S. Brown

Teacher



Signature

Student (print)

Signature

Student (e-mail address)

Parent/Guardian (print)

Signature

Parent/Guardian (e-mail address)