

# TPHS Calculus III (D) ❖ SDSU Math 252

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**Course Description (from SDSU catalog)** *Math 252. Calculus III. 4 units. (CAN Math 22)* Prerequisite: Math 151 with a 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.

## Important General Information

There is a semester course fee of \$376 for SDSU credit. This is a reduced fee from recent years and is now calculated at \$94 per unit. Beginning in the 2017-18 school year, students have the option to enroll through MiraCosta College for community college credits at no cost (MCC Math 260 Calculus and Analytic Geometry III). All students must enroll through either SDSU or MiraCosta. High school credits are optional. Details about payment and course credits will be explained in class. Registration is due in the early weeks of the semester.

Since 2001 many students have successfully transferred the San Diego State University (SDSU) credits earned at TPHS to their colleges and universities. However, the ultimate decision on transferability of credits from either SDSU or MiraCosta will depend on the policies of the college or university the student attends after high school.

Students enrolled through MiraCosta may have a few additional lessons, assignments, and/or assessments to fulfill the requirements of MiraCosta College. More details to come as they are determined.

## Bring EACH DAY

- Course Notes, Pencil, Paper, Notebook (Recommended sections: Homework & Quizzes, Notes, Other)
- Book: *Calculus: Early Transcendentals* by James Stewart, Sixth Edition
- Recommended: *Mathematica* on personal computer (days needed will be noted in class)

## Guidelines and Expectations: Respect, Effort, Evaluation

Students must respect the teacher and each other (staying on task, paying attention, letting everyone participate, etc.) and the environment (classroom, materials, furniture, etc.). Students should provide their best effort by asking questions, having a positive attitude, and being willing to try new things. Work needs to be done neatly, thoroughly, and on time. During class, students need to be working on class activities and not doing work for other classes, playing games, etc. Students are expected to produce high quality work at a college level. Question the caliber of your work. Please let the teacher know if something needs to be done to help you learn better.

## Academic Honesty

*The TPHS Academic Honesty Policy will be carefully followed and strictly enforced.* Note that students also agree to the Academic Honesty Policies of SDSU or MiraCosta when registering for credits through either institution.

**Violations of any academic honesty policy could have consequences at TPHS and the corresponding college.**

The policies for SDSU and MiraCosta may be found on their websites. See additional details about expectations for tests and quizzes below. All work you turn in must be your own, e.g., not another student's or AI generated.

## No Food or Drinks in Class

*Students may NOT eat or drink in class.* Students may have a water bottle that can be completely closed.

All food must be consumed and disposed of outside of the classroom during breaks or lunch.

### Cell Phones, Smartwatches and Related Technology

Students must have their cell phones, smartwatches, and any other wearable digital devices turned off (or silent) and *completely put away in a purse or backpack during the entire class period*. Students with a cell phone (or related device) out during class will be directed to put it in a separate area of the classroom to be retrieved at the end of class. Repeat offenses may result in having to turn in devices at the beginning of every class and/or a referral to administration. See the TPHS Student Cell Phone Policy for additional information.

Per school policy, students may not have their cell phones when they leave class to go to the restroom, office, etc. They will need to leave them in a designated location within the classroom. Students may be asked to exchange their phone for borrowing materials that they should have already brought with them to class.

Students should NOT take pictures or record videos in class, whether during instruction, breaks, or other free time. A more detailed policy statement on taking pictures and/or video is posted in Google Classroom.

### Course Topics

For a detailed list of course topics, please refer to the “Course Outline” for the class corresponding to SDSU or MCC. This is available on the class website and/or Google Classroom.

### Lecture Notes

Incomplete course notes are available on the class website and students are expected to bring them to class every day. Examples and details will be filled in during class. Students need to be in class and attentive during lectures.

❖ **The best thing that students can do for success is to** ❖  
**complete the full homework assignment before each class.**

### Homework

- Use a pencil, copy problems, and show all work thoroughly.
- Homework Assignment Sheets are available on the class website.
- These assignments are subject to change. Any changes will be announced in class.
- Each assignment lists Priority Problems, but full credit is earned by completion of full assignment.
- 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, points may be deducted from grades and/or homework procedures and policies may change.
- Quizzes are indicated on the calendar and homework assignment sheets. They are completed as take-home, self-graded worksheets as an opportunity for students to assess their current knowledge of the material. See details about quizzes on the class website.
- ***Even though homework grades are based on completion, students must do their best to fully complete and understand each problem.***

### Projects and Computer Activities

Each semester students will give approximately two or three presentations to the class with a partner. Several different computer activities will be assigned throughout the semester. These are to be completed with the computer program *Mathematica*. Students can get *Mathematica* for free through the school district by following the instructions provided on the class website. More details will be provided in class.

**Tests**

- 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 may be difficult and different than the original test and may not have any bonus questions.
- All students in class will take the test, even if absent during a review lesson the prior class period.
- 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 at the front of the classroom.
  - No cell phones, Chromebooks, or other electronic devices even after completing the test.
- Unauthorized collaboration is a violation of the Academic Honesty Policy.
  - Students may not discuss a test with anyone after taking it unless approved by the teacher.
  - 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.

**Grades**

85% Tests (Three Exams + Final Exam)  
 15% Homework, Presentations, Warm-Ups,  
 Extra Activities, Participation, etc.

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

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100% Final Grade

Grading Scale: Values represent lower cutoffs.

92.5% A, 89.5 A–, 86.5 B+, 82.5 B, 79.5 B–, 76.5 C+, 72.5 C, 69.5 C–, 66.5 D+, 62.5 D, 59.5 D–, 0 F

Note that MiraCosta College does not issue + or – marks along with letter grades. For example, a “B+” according to the grading scale above would be marked as a “B” for the final grade. SDSU grades include + and – marks.

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*Dear Students and Parents/Guardians,*

*We are very fortunate to be able 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.*

*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. Email is preferred: [abby.brown@sduhsd.net](mailto:abby.brown@sduhsd.net).*

*Thank You,*

*Abby Brown*

Name: \_\_\_\_\_ Period: \_\_\_\_\_

***Please sign the form below and return this entire page to Ms. Brown via Google Classroom as a PDF file. You may sign it digitally before uploading, or print and scan it after signing.***

I have read and understand the class description and agree to do my best to fulfill the requirements for Ms. Brown's Calculus III (Calculus D) class for the semester.

I also understand that there is a semester course fee of \$376 paid to SDSU or the option without cost through MiraCosta. Registration details will be explained in class, and I will need to decide whether to earn credits through SDSU or MiraCosta and complete appropriate paperwork by the registration deadline at the beginning of the semester.

At the end of the semester, the college credit will be reported on the college transcript (either SDSU or MiraCosta), and students must request an official transcript to be sent from the college to any post-secondary institution they attend. Any requests for transcripts (for transfer units, college applications, job requirements, etc.) need to be made through the official process established by SDSU or MiraCosta, not the high school.

This class becomes Linear Algebra for the second semester. This is also a college course. The class expectations will remain the same, but the grading policy and number of exams will change. At the beginning of the spring semester, there is an additional course fee of \$282 that will be paid for SDSU credits or the option with no cost for MiraCosta credits. See [www.abbymath.com](http://www.abbymath.com) for details about Linear Algebra.

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Student (print)

Signature

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Parent/Guardian (print)

Signature