*Multivariable Calculus – Dual Enrollment MAT241: Calculus with Analytic Geometry III*

*Addendum to CUSD80 MAT475-A Standardized Syllabus*

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| ***Course Information*** | | | ***Contact Information*** | |
| Location: | Hamilton High School – Room D121 | | Instructor:  Phone:  Email:  Office Hours: | Mr. Chuck Weeks  480.883.5128  [Weeks.Charles@cusd80.com](mailto:Weeks.Charles@cusd80.com)  In-person: By appointment, before/after school & during conference |
| Meeting Times & *CGCC Section Numbers* | Period 1: | 7:25 – 8:21/XXXX |
| Period 3: | 9:27 – 10:23/XXXX |
| Instructional Contact: | 4.0 hours / week  (face-to-face) | |
| Out-of-Class Expectation | 10.0 hours / week  (out-of-class estimate) | | Parent online access: <http://www.mychandlerschools.org/Domain/8201> | |

Note! CGCC recommends you enroll in Spring 2022 MAT276 the same time you enroll in Fall 2021 MAT241. The course number for MAT 276 is: MAT276 course number XXXX ; 4 credit hours.

Note! I do not use the district’s .gse email servers. While I have a forwarding rule established on that platform, the surest way to reach me via email is through my @cusd80.com account.

You are responsible for understanding the information contained in this syllabus. I reserve the right to make changes to the syllabus to meet the needs of the class. In the event the syllabus changes, I will notify you in class and parents via IC messenger or email. I recommended you keep a hardcopy of the syllabus for quick reference, as needed.

The virtual platform this class uses Office365 for Education. All students have access to this tool through their Office365 accounts. Other than initially using Google Classroom to enroll in the class Team, we will not be using that platform.

### Dual Enrollment

The content of this course aligns with the typical required math classes for all engineering and physical science degree programs. A typical STEM student would take this course the 3rd semester in university.

Additionally, 4 Credits for MAT241 is available through our Dual Enrollment partnership with Chandler Gilbert Community College. Earning credit through dual enrollment does not require students to earn a particular score on a single exam; instead, students who earn a C or higher in this course will automatically earn4 credits for MAT241 provided they enrolled in the course through CGCC.

I recommend contacting the academic departments of universities where you intend to matriculate to see if they accept DE credits (see the link directly below). A surprising number of out of state schools accept DE credit. Hence, my recommendation to contact your school directly.

To determine the transfer status (to any of the 3 Arizona public universities) for any course, go to <http://aztransmac2.asu.edu/cgi-bin/WebObjects/CEG>.

### Description: MAT241 (4 Credits)

Our text will be Calculus: Early Transcendental Functions (6th edition) by Ron Larson and Bruce Edwards. We will cover chapters 11 through 15: Vectors and the Geometry of Space, Vector Valued Functions, Functions of Several Variables, Multiple Integration, Vector Analysis, and an Introduction to Vector Fields. The course objectives are aligned with both CGCC’s MAT 241 and ASU’s MAT 272 Calculus with Analytic Geometry III courses.

You can find the specific topics we will cover each quarter in the tentative course outline posted on my HHS teacher page or on the Class Notebook.

### Required Materials:

* **RECOMMENDED:** Calculus: Early Transcendental Functions (6th edition).
* **REQUIRED:** 
  + 3-Ring Binder w/ paper.
  + Graphing calculator
    - Any calculator approved for AP Calculus is also approved for MAT 241. Options include TI-80 through TI-86, TI-89, TI-Nspire, HP-39, HP-40, HP-48 through HP-50, many Casio FX models.
    - Examples of calculators that are NOT permitted: calculators with QWERTY keyboard, devices with stylus pen, devices with wifi and/or camera capabilities, cell phone calculators.

I treat all students as young adults taking a college class due to the dual enrollment nature of the course. Do not expect to be “hand-held” in this class. If you need help, then by all means seek it!

See <https://chancellor.maricopa.edu/public-stewardship> for more information. See the Hamilton High School Student Handbook for school-appropriate behaviors including academic dishonesty and plagiarism.

In the event I am absent, and a substitute is present, students are to follow all class and school policies and the direction of the substitute.

**Makeup/Late Work:** It is the student’s responsibility to ascertain what work was missed during an absence. You may check assignments via the class Teams or OneNote page. For excused absences, work is due in accordance with school policy. Late work will receive 10% off the value of the original assignment each day late.

**Tardiness:** In accordance with school policy, students must be in their seats when the start-of-period bell sounds. Any student late to class will be counted tardy unless they have a pass. Consistent tardy behavior will be handled in accordance with the classroom discipline plan. The 3rd occurrence will result in a phone call home while the 5th occurrence will result in referral to administration.

The classroom’s restroom pass is located at the front of the room next to the restroom sign-out/in log. Upon receiving permission from the teacher to use the restroom, sign out with the pass. One person may use the restroom at a time.

**Grades:** Calc 3 follows the district grading policy for converting overall percentage into final grades:

90 - 100% = A

80 - 89% = B

70 - 79% = C

60 - 69% = D

0 - 59% = F

Final grades will be rounded up from the final calculated grade if the student is within 0.5% of the next grade level.  For example, a 79.50% will be rounded up to an 80.00% B.  However, a 79.49% will not.

The final exam is on December 21 and 22 in room D121 during your normally scheduled period.

Semester cumulative scoring is divided into the following categories:

Tests and Quizzes: 85%

Homework: 15%

Tests are scaled to 100 points and quizzes scaled to 50 points.

Assignments will normally be turned in "electronically," and are due prior to the start of class on the due day. Once set up, this should be done using the Homework section of your OneNote notebook. If work is not actually done in OneNote, pictures of the homework can be sent directly to OneNote using the OfficeLens app, or pasted into OneNote as a picture file. Ensure your name is visible on the page if using photos of the work. Graded assignments are worth 0 to +4 points. Late work may be accepted, worth 1 to 3 points based on content and delay in submission.

**Class Policies:** You are taking a college level class. Behave appropriately. All students will be receiving HHS planner books and will be attending school policy presentations. Therefore, CUSD’s and the school’s policies will be in effect in the classroom. Simply follow the Golden Rule and we won’t have any problems.

1. Cell phones are not to be out or in use during class. On occasion, their use will be allowed for internet or curriculum related purposes. Students will be given a warning on a first violation. The second offense I will confiscate for the class period. On the third offense the phone will be turned into security and the student will have to go pick it up. Excessive violations will be referred to administration.

**Consequences:**

1st: verbal warning to the student, 2nd: verbal warning with a phone call home, 3rd: Referral to the office.

**NOTE:** If I determine the offense is of a particularly grievous nature, I will immediately prepare a conduct referral to the office!

Student and parent should review this Multivariable Calculus syllabus addendum, sign, and return a hardcopy of this page by Monday, 24 July 2022 (student should keep the previous page(s)).

I acknowledge that I have received and understand the course syllabus and grading policy.

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Student’s Printed Name Student’s Signature Date

I acknowledge that I have reviewed and understand the above items with my student.

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Parent’s Printed Name Parent’s Signature Date