Math D, Trigonometry
Section 70758, Fall 2022, 3 units

Class Meetings
This class meets MW 12:30-1:55 pm, on campus in room SM 9 (Science/Math Building), from August 29 to December 7, and on Wednesday, December 14 from 11:50 am-1:50 pm for the final exam. You are expected to be present at each class session and you can be dropped from the course for missing 10% of the classes. If you require some flexibility in attendance, please contact me.

What if....? (our class plan for the unexpected)
As we’ve all learned in the past few years, we need to be prepared for surprises. I want to make sure that if our class can’t meet at its scheduled time (for example, due to COVID-related events), you know where to get information and help.

What happens if our class can’t meet on campus during our regularly scheduled day and time?

• If the class cannot meet in-person, you will receive a Canvas announcement and a Canvas Inbox message as soon as I am able to send them. Be sure your Canvas notifications are updated so that this information gets to you promptly. Manage my Canvas notifications

• We may temporarily need to change our class to meet via Zoom (for example, if I contract COVID-19 and need to quarantine at home). In that case, you will be notified as mentioned above and the link https://wvm-edu.zoom.us/j/9397553014 would take you to a Zoom class meeting to replace our in-person meetings. Any Zoom sessions that occur will be recorded and posted in Canvas.

• If you have questions, you can contact me by email or by using the Canvas Inbox. You can leave voicemail at (408) 741–2596. Give your full name and mention Math D.

General information about the college that is not specific to our class can be found on the West Valley College website, Twitter page or Facebook page. If you cannot reach me and have an urgent concern, please reach out to the math department chairperson by email laura.plunkett@wvm.edu or the Science & Math Dean, laura.hyatt@wvm.edu

Class participation expectations

Here is the West Valley College policy on participation:

“Students are expected to attend all sessions of each class. Instructors may drop students from the class if they do not attend the first class, or when accumulated unexcused hours of absence exceed ten percent of the total number of hours the class meets during the semester. Moreover, an instructor may drop from the class any student who fails to attend at least one class session during the first three weeks of instruction.”

When I see that you have been inactive in the class, I will reach out to you. If a major life event or illness occurs, or you are not taking part because you don’t understand something, please contact me as soon as possible so that we can work on a strategy together. If there is anything I can do to help you get back on track, I want to do it, so please reach out if you find that you are struggling!
Information about your Instructor and Communication Plan

- Instructor’s name: Betty Weiss (please use NameCoach in Canvas and then we can all learn how to say each other’s names correctly!)
- WVC Faculty webpage for Betty Weiss

COMMUNICATION PLAN:

- You can contact me by email or by using the Canvas Inbox and I will respond within 24 hours, often sooner. Be sure to mention your name and that you are in Math D (it’s not helpful to say “I’m in your math class” as I teach a lot of different math classes!).
- If you have a specific homework or quiz question, it is best to contact me through WebAssign. That way, I can see the exact problem you were working on.
- You can leave voicemail at (408) 741–2596. Give your full name and mention Math D.
- Student hours (to meet with me one-on-one online) are MW 3-4 pm and TTh 11:30am-12:15pm or at other times by arrangement. To schedule a meeting during these times, go to the Canvas Calendar and click on the Find Appointment button. When you schedule, you will see the link to the Zoom meeting for student hours. To arrange a meeting at other times, email me and I will do my best to accommodate your schedule.
- Please check Canvas at least once a week to see class announcements and set your Canvas notification preferences to receive class announcements either by email or text.

Course Information

Catalog Description:
This course covers the study of trigonometric functions. Topics include graphs, inverses, identities and proofs related to trigonometric expressions, trigonometric equations, solving right and oblique triangles, and the introduction to vectors. Prerequisites: Geometry [Math 104 or 104R] AND Algebra 2 [Math 106 or 106R].

Course Objectives:

- Graph the six trigonometric functions and apply changes in period, phase and amplitude to generate new graphs.
- Solve trigonometric equations, triangles, and applications.
- Identify special triangles and their related angle and side measures.
- Evaluate and graph inverse trigonometric functions.
- Evaluate the trigonometric function of an angle in degree and radian measure.
- Manipulate and simplify a trigonometric expression.
- Prove trigonometric identities.
- Represent a vector in the form ai+bj and apply vectors in application problems.

Student Learning Outcomes:

- Solve a trigonometric equation.
- Describe trigonometric and inverse trigonometric functions symbolically, graphically, and numerically.
Why take Math D?

Trigonometry means “triangle measurement” and this course involves the study of angles, triangles, vectors, and periodic functions, including wave-like functions like sine and cosine that have many applications. It can help prepare you for future math coursework in calculus, differential equations, and linear algebra (Math 3A, 3B, 4A, 4B, 4C) as well as for physics and engineering coursework. A strong trigonometry background is important for many careers, including architecture, construction, computer graphics, oceanography and many other fields.

**Required Materials**

- Purchase access to WebAssign (this includes an electronic textbook and access to homework, quizzes and videos). Register for WebAssign and use the Class Key westvalley.ca 4535 7983
- You will need a graphing calculator. The college Library has free loaner graphing calculators. Go to the library’s Textbooks ‘n’ Technology page to find out more.

**Graded Coursework**

- **Homework:** You will be doing your homework online through WebAssign. It will help with your questions and give you instant feedback on your graded answers. Homework will not be timed, but there is a penalty on late homework problems. Due dates will be shown in WebAssign.
- **Quizzes:** You will be taking quizzes online through WebAssign, which will give you instant feedback on your graded answers. Quizzes will be timed (40 minutes), and you will get two tries for each quiz question. There is a penalty on late quizzes. Due dates will be shown in WebAssign. The lowest two quizzes will be dropped from your Canvas gradebook.
- **Exams:** You will be taking a total of 3 timed exams in-person during our scheduled class sessions. The exam dates are September 21, October 19, and November 16. Contact me in advance if you are not able to make one of these dates. If you miss one exam with a valid excuse, I will replace that exam score with your final exam score. If you miss a second exam, you will get a 0.
- **Final exam:** The cumulative final exam will be taken in-person on Wednesday, December 14, 11:50 am-1:50 pm. You will submit work in Canvas for the final exam.

**About due dates:** Due dates are very important, both to help you keep on track to learn the material and to be fair to all students. However, if you have extenuating circumstances let me know as soon as possible. We can work together to find solutions if you are not able to meet certain due dates.

**Grading**

Your grade will be a weighted average of homework (20%), quizzes (15%), exams (45%), and the final exam (20%). The grade scale will be 90–100% A, 80–89% B, 70–79% C, 60–69% D, 0–59% F. Grades will be recorded in the Canvas gradebook; check there to track your progress.

**Integrity is the foundation of academic work**

Occasionally, you may feel overwhelmed by the amount of work you need to carry out, but do not use this as an excuse to cheat. If you are caught cheating, you may get a warning, receive no credit for the assignment, or be referred to the Vice President of Student Services for disciplinary action. You would
also be devaluing your resulting degree when you enter the workforce or transfer and cannot meet the expectations that your degree requires.

Here are some examples of what you should and should not do in relation to academic integrity:

**What not to do**

- Do not pay someone to take an exam for you. Recent reports show that people who take exams for pay by students may end up "blackmailing" those students in a variety of situations. For example, if the student defaults on the agreed amount of compensation, does not buy more services, etc., these people have been known to notify the college of the misbehavior of students caught in this kind of trap.

- Do not use applications or websites to find answers on exams or homework. If I suspect that your work is copied from an app or website or another student, you will receive a zero on that problem and be reported to the college.

- Do not copy answers from an answer key.

- Do not ask another student to do your work for you.

**What to do**

- Trust the value of your own intellect.

- Show your own achievement and abilities.

- Ask for help from me if you feel overwhelmed, or ask for more time if you need it.

You will be asked to agree to an honor code at the beginning of the semester saying you will only turn in your own work and not share questions or answers. An experienced teacher can tell when you are copying answers, but many students have to learn this the hard way, getting caught and then failing.

**Important Dates**

- Last day to ADD a class: September 11
- Last day to DROP a class without a “W” and with a refund: September 11
- Last day to DROP a class with a “W:” November 18
- FINAL EXAM for this class: Wednesday, December 14, 11:50am-1:50pm

**Accommodations for a Disability**

West Valley College is here to support you, and we want to make all learning experiences as accessible as possible. If you think you may run into academic barriers because of your disability (including permanent disabilities or chronic or temporary medical conditions), please let me know so we can privately discuss your options and create a plan that works for you. You may also want to register with the Disability and Educational Support Program (DESP). West Valley College’s DESP program is known for going the extra mile to support students, and they will work with you to set up reasonable accommodation for qualifying disabilities.

**Disability and Educational Support (DESP) Contact Information**

The DESP office is in the Student Services building. Their phone number is (408) 741-2010 (voice) or (408) 741-2658 (TTY).
**Student Help and Support**

West Valley College has many Student Services that are here to support your success and help you achieve your goals. College students often experience issues that may interfere with academic success such as stress, juggling responsibilities, life events, relationship concerns, sleep problems, or feelings of anxiety, hopelessness, or depression. All of us benefit from support during times of struggle – you are not alone. Helpful, effective resources are available for all students, and an important part of the college experience is learning how to ask for help. Getting help is the smart and courageous thing to do – for yourself, and for those who care about you.

- You can learn more about the broad range of confidential mental health services for students on the Health Services webpage, including tele-mental health, anonymous online screenings, training and resources such as TAOConnect and Kognito, and online/local information and resources.
- National Suicide Prevention Lifeline (800) 273-TALK (8255)
- National Crisis Text Line: text “COURAGE” to 741741

**West Valley College Policies**

It's important for you to be aware of policies in the West Valley College Catalog. Below are a few key policies from the Rights and Responsibilities section you should know about.

- Attendance: Know that instructors may drop any student who does not attend the first class, who has missed any one class during the first three weeks of instruction, or who has missed more than ten percent of the total class hours for the semester.
- Registration and Drops: Understand that it is your responsibility to make sure you are registered and/or dropped from any class by the deadlines listed in the schedule of classes.
- Withdrawal from a class: Make sure you know the last day to drop with a W (put that date in your calendar!). Even if you ask an instructor to drop you, it is still your responsibility, so double-check your enrollment status in the Portal. It’s important to know that instructors must issue a grade for any student still enrolled after the last day to drop.
- Academic Dishonesty: Understand what this means—it includes in-class cheating, out-of-class cheating, plagiarism, helping another student in cheating or plagiarism, or knowingly giving false information to college staff, faculty, administrators or other officials. You can receive a failing grade for the assignment if there is reasonable proof or documentation of academic dishonesty. Please seek help with your coursework from your instructor or a tutor instead of cheating.

**West Valley College Nondiscrimination Statement**

The District, and each individual who represents the District, shall provide access to its services, classes and programs without regard to national origin, religion, age, sex or gender, race, color, medical condition, ancestry, sexual orientation, marital status, physical or mental disability, or because he/she is perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics.