

Open House Night

with

Cathy Doxtater

Please get an index card and put:

- Your young adult's name on the **RED line**
- Your name below that
- Your email address and/or phone number (and which you prefer)
- Anything you would want me to know about your young adult

Info about me

- 41st Year of Teaching
- 9th year at WHS (2000 - 2002, 2017 - present)
- Lee HS (1 yr), HSPVA (9 yrs), Episcopal HS (4 yrs), Lamar HS (3 yrs), Westside HS (2 yrs), HC (5 yrs), CMU (2 yrs), HC (8 yrs), WHS (6+ yr)
- Master in Liberal Arts (MLA, Houston Baptist University - 1990)
- Master in Mathematics (MA, Central Michigan University - 2010)
- 28 years married to husband this December
- No children, 2 dogs, 3 cats (long story!), Astros STH, Star Trek Fan

You Signed This Info...

Multivariable Calculus 3 Honors Course Syllabus

AP Calculus BC Course Syllabus

AP Calculus AB Course Syllabus

AP Pre-Calculus Course Syllabus

Mrs. Cath
[catherine](#)
(281) 920
Room #:
Class Me
Conferen

Mrs. Cathy
[catherine.d](#)
(281) 920-4
Room #:
Class Meet
Conferenc

Mrs. Cathy D
[catherine.dox](#)
(281) 920-800
Room #: E12
Class Meeting
Conference P

Mrs. Cathy Doxtater
catherine.doxtater@houstonisd.org
(281) 920-8000, ext. 036210
Room #: E121
Class Meeting Times: 7th Period
Conference Period: 4th Period

Tutorial Times: Most M, T, F @ Lunch, 11:40 a.m. – 12:30 p.m.
Most W, Th @ Lunch, 11:10 a.m. – 12:00 p.m.

No Tutorials: First Tuesday lunch (*NHS Officer Mtgs*)
Second Tuesday lunch (*NHS Chapter Mtgs*)
Test Days (*encourages cramming*)

Students will be is
If either of these is lost or damaged
grades will be held. You are expect

After reading the Syllabus, please sign below, and have your parent/guardian sign below, and return this form to Mrs. Doxtater. Please keep the Syllabus in your class binder/notebook.

"We have read and understand the Calculus 3 Course Syllabus, and the textbook/calculator policy."

Student Name (printed): _____ Class Period: _____

Student Signature: _____ Date: _____

Parent Signature: _____ Date: _____

Parent email: _____

*Please return to Mrs. Doxtater
If possible, please donate: Kleenex, AAA Batteries, Expo Dry Erase Markers, Hand Sanitizer*

Where to Find Course Info

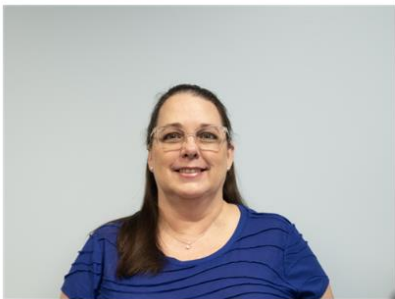
The screenshot shows the Westside High School website. The browser address bar displays houstonisd.org/westsidchs. The top navigation bar includes links for Site Map, District Home, Our Schools, Translate, and Sign In. The main header features the Westside High School logo and the text "Westside High School Magnet for Integrated Technology". Below the header is a navigation menu with links for Home, About Us, Academics, Activities, Get Involved, and Resources. The main content area features a large image of the school entrance with a sign that reads "WESTSIDE HIGH SCHOOL HOME OF THE WOLVES 1401 BRIAR FOREST DRIVE WELCOME TO WESTSIDE". Overlaid on the image is the text "Welcome To Westside" and "Thank you for your interest in Westside and welcome to our website." with a "READ MORE" button. The bottom navigation bar is identical to the top one. At the bottom of the page, there is a breadcrumb trail: "Westside High School > Faculty & Staff Directory" and a "Faculty & Staff Directory" link. A alphabetical index is located at the bottom right of the page, with letters A through Z.

D

- [Dang, Kimchi](#)
- [Daniel, Dominique](#)
- [Daniels, Amberly](#)
- [Davis, Tyrone](#)
- [Decker, Kyle](#)
- [Dentler, Lauren](#)
- [Dillon Rogers, Myrtle](#)
- [Dohoney, Thomas](#)
- [Doxtater, Cathy](#)
- [Duran, Carmen](#)

E

Where to Find Course Info



Cathy Doxtater

Department: Math

Room: E121

Email: Catherine.Doxtater@houstonisd.org

Phone: 281-920-8000 ext. 036210

Resources:

Calculus Textbook as a pdf:

[Larson's Calculus, 8th Ed.](#)

Video Links for AB and BC Calculus Courses

[Doxtater's Calculus Video Links on YouTube](#)

AP Pre-Calculus Textbook Resource as a pdf:

[Larson's Pre-Calculus with Limits, Texas Edition](#)

Syllabus:

Multivariable Calculus 3 Honors

[2023-2024 Multivariable Calculus 3 Honors Syllabus](#)

AP Calculus BC

[2023-2024 AP Calculus BC Syllabus](#)

AP Calculus AB

[2023-2024 AB Course Syllabus](#)

AP Pre-Calculus

[2023-2024 AP Pre-Calculus Course Syllabus](#)

[Doxtater Open House 2023 Presentation](#)

Calendar:

Multivariable Calculus 3 Honors

[2023-2024 Multivariable Calculus 3 Honors 1st SW Lesson Calendar](#)

AP Calculus BC

[2023-2024 AP Calculus BC 1st SW Lesson Calendar](#)

AP Calculus AB

[2023-2024 AP Calculus AB 1st SW Lesson Calendar](#)

AP Pre-Calculus

working on it

Virtual Lesson Plans:

Multivariable Calculus 3 Honors

[2023-2024 Multivariable Calculus 3 Honors Lesson Plans](#)

AP Calculus BC

[2023-2024 AP Calculus BC Lesson Plans](#)

AP Calculus AB

[2023-2024 AP Calculus AB Lesson Plans](#)

AP Pre-Calculus

[2023-2024 AP Pre-Calculus Lesson Plans](#)

What I Teach and When

Multivariable Calc 3 Honors - 1st

AP Calculus AB - 2nd, 5th

AP Calculus BC - 3rd, 6th

AP Pre-Calculus - 7th

Off-Period - 4th

Tutorial Access

Available:

- Most mornings (7:15 - 7:40)
- Most Lunch periods (time varies M-T-F & W-Th)

NOT Available:

- 1st Tuesday of Month Lunch (NHS Officer Mtg)
- 2nd Tuesday of Month Lunch (NHS Meetings)
- Test Days (encourages last-minute studying)

How to Contact Me

- catherine.doxtater@houstonisd.org
- 281-920-8000, ext. 036210
- Email is best, and I try to get back to you within 24 hours. Please know that I will rarely answer email during the day because I am focused on the lessons and classes for that day. Also, as this is a college-level course, I will expect to have already had a conversation regarding any concerns with your young adult before engaging in parent intervention. Your young adult must learn the skill of self-advocacy prior to going to college.

BC Score Breakdown

Course % Grade	AP Score	# BC in 2023	% Breakdown	# AB Sub-Score in 2023	% Breakdown
94 - 100	5	12	40.00%	15	50.00%
88 - 93	4	6	20.00%	6	20.00%
82 - 87	3	9	30.00%	9	30.00%
77 - 81	2	3	10.00%	0	0.00%
< 77	1	0	0.00%	0	0.00%

2023 WHS
BC Scores
27 of 30
90.0% Passing

2023 WHS
AB Sub-Scores
30 of 30
86.4% Passing

Group	Students Taking BC Exam	Mean Score BC Exam	% Scores 3 or Higher BC Exam	Mean Score AB Sub-score	% Scores 3 or Higher AB Sub-score
WHS	30	3.9	90.00%	4.2	86.40%
Texas	10,303	3.51	72.10%	3.7	76.10%
Global	135,480	3.75	78.40%	3.9	81.10%

2023 WHS
BC Scores
compared
with
state and
global
performance

AB Score Breakdown

Course % Grade	AP Score	# AB in 2023	% Breakdown
94 - 100	5	14	29.00%
88 - 93	4	9	19.00%
82 - 87	3	14	29.00%
77 - 81	2	5	10.00%
< 77	1	6	13.00%

Group	Students Taking AB Exam	Mean Score AB Exam	% Scores 3 or Higher AB Exam
WHS	48	3.42	77.10%
Texas	23,350	2.62	46.90%
Global	273,748	2.99	58.00%

**2023 WHS
AB Scores
37 of 48
77.0% Passing**

**2023 WHS
AB Scores
compared
with
state and
global
performance**

Class Activities

- **Discuss “Homework” (LOpps - Learning Opportunities and TPs - Try-It Problems)**
 - Usually students are the ones at the board
 - If they can’t explain how they thought through the problem, they probably didn’t do it themselves...and this is a BIG deal!
 - Tutors usually don’t have the patience to let the student struggle with thinking through a problem - they are too quick to “coach” - this hurts the student
- **Lesson Notes (Lecture Manual) & Try-It Problems (TPs)**
- **Sink-in-Problems & Activities in Class (SIPs)**
- **Learning Opportunities (LOpps)**

Email from Former Student...

Dear Ms. Doxtater,

Thank you so much for being my calculus teacher this past school year. I learned today that I got a 5 on my AP calculus test, and I am really proud of that score. I went into the school year worried that I wouldn't be able to handle the class and believing that I wasn't good at math. Looking back now, I can't believe how far I have come. I couldn't have done it without you. You are probably the best math teacher I have ever had. Whenever I had trouble, either you or a Cal PAL were always there, helping me through the problem. I can honestly say that I have never had a teacher with so much dedication to their job and care for their students...

I. S., Class of 2023

Text from Former Student...

Hey Mrs. Dox! How's the school year been going so far? I just wanted to reach out to thank you again for being such a formative teacher. I'm taking Differential Equations with Linear Algebra as well as Discrete Math right now, and the rigor/foundation you gave us have made the classes so much easier.

O.P., Class of 2023

Active vs. Passive Learning

- When students take “ownership” of their learning, they become more confident as they approach difficult concepts (*this takes time*).
- Students are less concerned about getting things wrong, and are more focused on thinking through the main ideas of a problem from a more advanced perspective (*confidence increases*).
- Students learn how to try a variety of methods to analyze and solve problems (*critical thinking*).
- Students become less dependent on the teacher (*necessary for college*).

How to be Successful...

- Be present in class - both physically and mentally.
- LOpps (*a.k.a. Homework*) **MUST** be completed prior to class, not because there may be a grade attached, but because it takes time for the brain to wrap itself around new topics.
- LOpps get the brain actively engaged.
- LOpps prepare the student for the next layer of information; when it has not been done, or valiantly attempted, the brain does not have the necessary foundation for the next topic.
- The completion of Lesson Videos, Lecture Notes and TPs are essential preparation for the next class meeting. These are the foundation for the next lesson explored more fully in class.

How Can You Support?

- Help Promote a “Growth Mindset” with regard to Mathematical Ability.
- Avoid language that suggests our abilities in mathematics are fixed.
- Avoid language comparing students to other students.
- Avoid language that praises a student’s “intelligence.”
- Affirm struggle as a part of the learning process.
- Applaud strong effort and improvement.
- Engage in mathematical conversations with your young adult.

As this session comes to an end...

- Please make sure you have completed an index card for me.
- If you have questions, please contact me.
- Please know that I am so privileged to get to teach your young adults. Thank you for entrusting them to me this year.
- Your young adults must be getting to that place of independence as they move toward college-age, so let's work together to challenge them be self-reliant and responsible for what they need to do.

One Last Thing.....

- We are in this together and, with respect to your young adults, we have the same goals....
- ...to love them, to prepare them for life, to help them succeed, and to help them grow.
- We don't grow when we are comfortable, but when we are UNcomfortable!
- Never give up!!