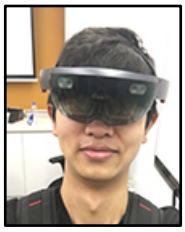
Welcome to MA 15300 College Algebra - Fall 2021

We are your instructional team this semester. Please feel free to reach out to any of us for help.



Michael Li
liz03@pfw.edu
MWF 9:00 AM – 9:50
MWF 10:00 AM – 10:50
Section 01 & 02

John LaMaster
lamaster@pfw.edu
MWF 11:00 AM – 11:50
Section 03

Joe Bittner
bittnerj@pfw.edu
MW 4:30 PM – 5:45 PM
Section 05

Kamorudeen Taiwo
taiwka01@pfw.edu
TR 9:00 AM – 10:15
Section 07

Suleimana Mohammed
mohas04@pfw.edu
TR 10:30 AM – 11:45
Section 08

Sam Scott
scotsa04@pfw.edu
TR 12:00 PM – 1:15 PM
TR 3:00 PM – 4:15 PM
Section 09 & 11

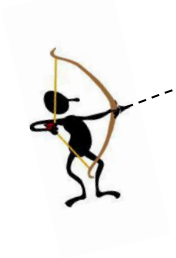
Asenath Odondi
odonaa01@pfw.edu
TR 1:30 PM – 2:45 PM
Section 10

Office Hours: Our office hours are posted **HERE** on the Math Department tutoring page, but we are also available by appointment. The Piazza Discussion Board can be found on the same page, as well as other resources. Please come and see us! We want to help you succeed.

Course Website: purdue.brightspace.com (Click on **Purdue Fort Wayne**, enter your PFW username and password, click **Log in**)

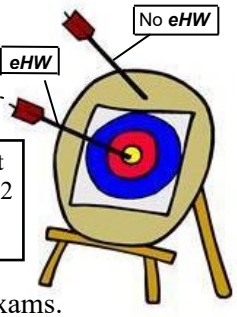
Materials: In addition to access to a device that is able to play audio and video using a good Internet connection (a computer or laptop is recommended), as well as a notebook plus binder for organizing your notes, please see these three items below.

1. Access to ***eHW*** (commercially called Möbius) will be **required** for all your graded homework, quizzes, and tests, with the exception of the departmental prerequisite skills quiz and final exam. Follow the steps on the ***eHW* Web Site** to pay ($15) and to access it.



Despite the extra fee for *eHW*, past students have shared that it was worth every penny. It gives you the essential practice you need to succeed.

If you have purchased access to *eHW* from last semester, you need not purchase it again. You just need to self-enroll in our shared eHW Course. To do so, see page 2 of **these instructions**, specifically ***How to Enroll in an eHW Course***.
Select the course *MA-15300 College Algebra Face-to-Face F2021 (Other than Section 12)*



2. A **graphing calculator** will be used for activities, assignments, quizzes, and exams. The **TI-84Plus** or **TI-84 CE Plus** the *tools of choice*.
Note: You can rent one at Walb Student Union 225 (260-481-6586). Click **HERE** for details.

3. The **text** *Functions Modeling Change, 6th Edition* by Connally, et al. is **optional** but recommended. Some stronger students have shared they did fine without a text and learned everything from doing eHW.

For those who want a text, you can also use the 5th Edition or even the 3rd. You might find it for cheap online at **Chegg**, **Amazon**, **eBay**, **betterworldbooks.com**, and from **Wiley**. We do **NOT** use WileyPLUS.

Recommended exercises out of the text will be given to deepen your understanding, but not required.

Objective: The purpose of this course is to prepare you for calculus. (If you do not intend to take calculus, a better course to take would be either MA 14000 or STAT 12500. They have higher success rates.) MA 15300 meets all **eight outcomes** (3.1 to 3.8) in *Area 2: Quantitative Reasoning* of the Indiana General Education Core.

Content: In this course you will solve problems presented as real-world situations by creating and interpreting mathematical models which include linear, exponential, quadratic, power, polynomial and rational functions. Solutions to the problems are formulated, validated, and analyzed using mental, paper and pencil, algebraic, and technology-based techniques as appropriate.
We will cover portions of Chapters 1-6 and Chapter 11 of the text.

Grading:

Participation.....	25 pts.	(3.125%)
*Prerequisite Skills Quiz.....	25 pts.	(3.125%)
e-HW Assignments……	100 pts.	(12.5%)
6 Quizzes @ 25 pts each ……..	150 pts.	(18.75%)
Test 1 ……..	100 pts.	(12.5%)
Test 2 ……..…...	100 pts.	(12.5%)
Test 3 ……..	100 pts.	(12.5%)
*Comprehensive Final Exam….	200 pts.	(25%)
Total Points Possible ……	**800 pts.**	

90% -100%	(720 pts. or more)	A
80% - 89%	(640 to 719 pts.)	B
70% -79%	(560 to 639 pts.)	C
60% - 69%	(480 to 559 pts.)	D
<60%	(Below 479 pts.)	F

*The *Prerequisite Skills Quiz* and *Comprehensive Final Exam* are departmental and delivered as proctored, paper and pencil tests.

Participation: You will earn participation points by completing the *Getting to Know You* survey, by posting your self-introduction on Brightspace, and your participation in class meetings. Absences due to illness or isolation or quarantine are excused. If you have any of **these symptoms of the coronavirus**, you may have been exposed and we do not want you to attend class. To accommodate anyone who must isolate (if you've tested positive for COVID-19) or quarantine (if you've come in contact with someone who has tested positive), we have video lecture content available on Brightspace. To keep abreast of current COVID-19 policies and procedures, please check the Website **PFW Ready**.

TIP: Keep a special section in your notes or a binder to collect any questions as you watch the videos and work on e-Homework.

Prerequisite Skills Quiz: This departmental short paper and pencil quiz provides quick and early feedback to you on your proficiency with the skills needed for this course. Study the eHW assignment *Math Background Needed for MA 15300* (and its worked out solutions). There are eHW Flash Cards to prepare for this content on the ***eHW* Web Site** and free Khan Academy resources **HERE**. Unlike other quizzes which are online, it is given in class, you have one attempt, and it can not be dropped.

e-HW Assignments: If you ask any high performing MA 15300 student from a previous semester what was the key to their success in the course, they will uniformly cite eHW, which is described in the document ***General Course Information***. See also the ***eHW* Web Site** for help with how to obtain access and use *eHW* (commercially called Möbius). You are encouraged to work ahead on an assignment, even before the material is covered, and do the assignment **multiple times** (even after you have earned a perfect score). Research shows that students who do this retain the material better for the exam.

You have unlimited attempts until the due date and the highest score is taken.
The average score of all your best eHW scores is converted to a percentage and taken out of 100 points.

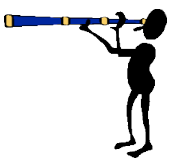
- **Late eHW** may be submitted for some partial credit, but certain conditions apply: for each score above 90% earned before the due date in the *Assignments (for a Grade)* area, you may redo one past due assignment at a 10% late penalty, i.e. for late eHW, a score of 20 would be entered in the Brightspace grade book as a score of 18.
  Go to a separate area once you login to eHW (called *Rhino Opportunity for Late Assignments*) to access these after the due date. Once you've earned a higher score, please notify your section instructor.

- **eHW Guarantee:** The question bank is well scrubbed; however, if you do find that your answer is correct and the system tells you otherwise (due to mathematics, not text entry) and you are the first to report it to John LaMaster, **lamaster@pfw.edu**, he will gratefully award you double points for that question.

Quizzes: To help make quizzes a learning experience, you can **drop all but the top six online quizzes** that are taken on Möbius (except the prerequisite quiz, which is paper and pencil and can not be dropped). Online quizzes serve as "dress rehearsals" for the Chapter Exams, so high performing students find they are worth their best effort even after earning six high scores. Since we take only the top six online quizzes, none of these online quizzes can be made up if missed.

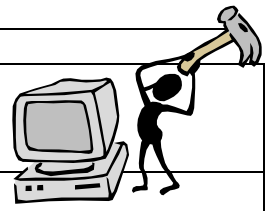
(See also the *Rhino Quiz Incentive* on the last page to earn bonus points.)

Exams: All chapter exams are online through Möbius. Keep track of these dates in your personal calendar:
Chapter Exam 1 *(Tentatively Sections 1.1-1.5, 2.1, 2.2, 2.5, 2.6):* Friday, Sept. 24 – Friday, Oct. 1.
Chapter Exam 2 *(Tentatively Sections 4.1-4.5, 5.1-5.3):* Friday, Oct. 22 – Friday, Oct. 29.
Chapter Exam 3 *(Tentatively Sections 2.4, 6.1-6.2, 3.1-3.2, 11.1-11.3):* Tuesday, Nov. 23 – Sunday, Dec. 5.



Final Exam: The departmental final exam is cumulative over all topics, in addition to Sections 11.4 and 11.5.
UPDATE: The final exam will be online through Möbius, similar to the other exams.

Student Support: We want you to be successful. Please reach out if you need help. Below is a directory of resources for specific issues. If technical difficulties affect your ability to complete assignments, please notify your section instructor as soon as possible.



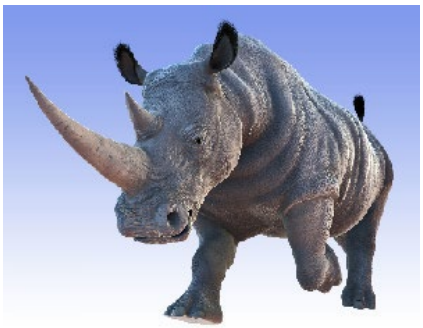
For help with:	From:	Contact Information:
PFW account/password/ Brightspace Support	Information & Technology Services (ITS) Help Desk	Call: 260-481-6030 Email: **helpdesk@pfw.edu** See the **ITS Website**
eHW (Möbius) Purchasing an *eHW* access code	Digital Ed Customer Support	1-833-450-2211 Email: **support@digitaled.com**
Troubleshooting *eHW*	*eHW* Technical Support	Email: **ehwtechsupport@pfw.edu**
Graphing Calculator Rental	Student Government	Walb 225 or call: 260-481-6586 See the **Calculator Rental Website**
Using eHW	Check out the resource ***General Course Information*** first. Then see the **Möbius Support Website** for help.	
Tutoring (Face to Face & Online)	Online **HERE** and limited Face to Face tutoring in KT G19	
Attending PFW in a Pandemic	PFW Prepared	PFW Prepared **Website** See **Information & Support** for Current Students and these **Support Services** for Math Students
Short-term Counseling (Free)	Campus Health Clinic	Call the 24 hour Hotline: 800-342-5653 See their **Website**. Or call: 800-342-5653
If you don't know where else to turn for resources, then contact…	… the CARE team	See their **Website** or call: 260-481-6601
Withdrawing from the class	Student Success & Transitions	Call: 260-481-0404, E-mail: **withdraw@pfw.edu** See the Student Success & Transitions **Website**.
Accommodations for students with disabilities*	Disability Access Center (DAC)	Walb 113, 260-481-6658, See their **Website**.
How to succeed in MA 15300	Students enrolled in MA 15300 last semester	See **the tips they wrote** specifically to you!

***For Students with Disabilities**

If you have a disability and need assistance, special arrangements can be made to accommodate most needs. Contact the Director of Disability Access Center (DAC) as soon as possible to work out the details, as well as your section instructor.

Rhino Success

We believe in your success and want to support you to meet your goals.
You can do it!
But it will require that you take charge of your learning, do the work required, and make the commitment to do what it takes to succeed.
If you want to succeed in life, be like the rhinoceros!
Wake up each morning and CHARGE straight ahead to accomplish your goals.
No obstacles get in the way of a 3 ton snorting rhinoceros charging at full speed!



Overall Course Calendar: The tentative course calendar on the next page provides more details about deadlines and may be helpful to see the big picture. The deadlines are also on the eHW Website and on Brightspace and on this handy, clickable **Rhino Checklist**. If for any reason you are unable to complete an exam during the specified dates for reasons beyond your control, please reach out to us for help. The following page also describes some **RHINO incentives** you can earn. Polish that rhino horn and charge!

MA 15300 Fall 2021 Tentative Schedule

Topic	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Sat
Week 1 (Aug 23-27): Sections 1.1-1.3 Functions, and Rate of Change	**Aug 22**	**Aug 23**	**Aug 24**	**Aug 25**	**Aug 26**	**Aug 27**	**Aug 28**
Week 2 (Aug 30- Sept. 3): Sections 1.3-1.5 Slope, Linear Functions and Modeling using Graphs, Tables, and Formulas	**Aug 29**	**Aug 30**	**Aug 31** Self-intro on Brightspace due Getting to Know You Survey due eHW0: General Course Info due eHW Math Background due	**Sept 1** Prereq Skills Quiz in class for MW Students	**Sept 2** Prereq Skills Quiz in class for TR Students	**Sept 3** eHW Syllabus Scavenger Hunt closes Prereq Skills Quiz in class for MWF Students	**Sept 4**
Week 3 (Sept. 7-10): Sections 2.1-2.2 Input and Output, Domain and Range	**Sept 5**	**Sept 6** **Labor Day** Free trial access period ends for Möbius	**Sept 7**	**Sept 8**	**Sept 9** eHW1: 1.1-1.4 due	**Sept 10** Q1 1.1-1.4 closes	**Sept 11**
Week 4 (Sept.13-17): Sections 2.5-2.6 Composition of Functions, Inverse Functions, and Concavity	**Sept 12**	**Sept 13**	**Sept 14**	**Sept 15**	**Sept 16** eHW2: 1.5 due eHW3: 2.1-2.2 due	**Sept 17** Q2 1.5 closes Q3 2.1-2.2 closes	**Sept 18**
Week 5 (Sept. 20-24): Sections 4.1-4.2 Modeling with Exponential Functions	**Sept 19**	**Sept 20**	**Sept 21**	**Sept 22**	**Sept 23** eHW4: 2.5-2.6 due	**Sept 24** Q4 2.5-2.6 closes **T1 opens**	**Sept 25**
Week 6 (Sept. 27-Oct 1): Sections 4.2-4.5 Compound Interest and Continuous Growth	**Sept 26**	**Sept 27**	**Sept 28**	**Sept 29**	**Sept 30**	**Oct 1** **T1 closes**	**Oct 2**
Week 7 (Oct 4-8): Section 5.1 Logarithmic Functions	**Oct 3**	**Oct 4**	**Oct 5**	**Oct 6**	**Oct 7** eHW5: 4.1-4.2 due eHW6: 4.3-4.5 due	**Oct 8** Q5 4.1-4.2 closes Q6 4.3-4.5 closes	**Oct 9**
Week 8 (Oct 11-15): Sections 5.2-5.3 What Good Are Logarithms?	**Oct 10**	**Oct 11**	**Oct 12**	**Oct 13**	**Oct 14** eHW7: 5.1 due	**Oct 15** Q7 5.1 closes	**Oct 16**
Week 9 (Oct 20-22): Section 2.4 & 6.1 Translations of Functions	**Oct 17**	**Oct 18** Fall	**Oct 19** Break	**Oct 20**	**Oct 21** eHW8: 5.2 5.3 due	**Oct 22** Q8 5.2-5.3 closes **T2 opens**	**Oct 23**
Week 10 (Oct 25-29): Sections 6.1-6.2 Transformations of Functions (Reflections, Vertical Stretches, and Vertical Compressions)	**Oct 24** **IUFW Last day to drop**	**Oct 25**	**Oct 26**	**Oct 27**	**Oct 28**	**Oct 29** **T2 closes** **PFW Last day to drop**	**Oct 30**
Week 11 (Nov 1-5): Sections 3.1-3.2 Quadratic Functions	**Oct 31**	**Nov 1**	**Nov 2**	**Nov 3**	**Nov 4** eHW9: 2.4,6.1,6.2 due	**Nov 5** Q9 2.4,6.1,6.2 closes	**Nov 6**
Week 12 (Nov 8-12): Sections 11.1-11.2 Power Functions and Introduction to Polynomials	**Nov 7**	**Nov 8**	**Nov 9**	**Nov 10**	**Nov 11** eHW10: 3.1,3.2 due	**Nov 12** Q10 3.1,3.2 closes	**Nov 13**
Week 13 (Nov 15-19): Sections 11.3-11.4 Short Run Behavior of Polynomials and Intro to Rational Functions	**Nov 14**	**Nov 15**	**Nov 16**	**Nov 17**	**Nov 18** eHW11: 11.1 due	**Nov 19** Q11 11.1 closes	**Nov 20**
Week 14 (Nov 22-23): Section 11.5 Rational Functions, Intercepts and Asymptotes	**Nov 21**	**Nov 22**	**Nov 23** **T3 opens**	**Nov 24**	**Nov 25** ***Thanksgiving Break***	**Nov 26**	**Nov 27**
Week 15 (Nov 29-Dec. 3): Section 11.5-11.6 Short Run Behavior of Rational Functions and Comparing Polynomial, Exponential, and Logarithmic Functions	**Nov 28** eHW12: 11.2 due eHW13: 11.3 due Q12 11.2 11.3 closes	**Nov 29**	**Nov 30**	**Dec 1**	**Dec 2**	**Dec 3**	**Dec 4**
Week 16 (Dec. 6-10): Review for the Final Exam	**Dec 5** **T3 closes**	**Dec 6**	**Dec 7**	**Dec 8**	**Dec 9** eHW14: 11.4 due eHW15: 11.5 due	**Dec 10** Q13 11.4 closes Q14 11.5 closes	**Dec 11**
Final Exam Week	**Dec 12** **All late eHW closes**	**Dec 13** **Final Exam opens**	**Dec 14**	**Dec 15**	**Dec 16**	**Dec 17**	**Dec 18** **Final Exam closes**

All eHW, quizzes, and tests (except the departmental Prerequisite Skills Quiz and Final Exam) are completed online through Möbius **HERE**.
They will close at 11:59 PM on the day indicated.

- You have unlimited attempts to complete your eHW Assignments until the deadline.
- **To help accommodate any possible Internet outages, you will have 3 attempts for each quiz and each exam.**
  You have 90 minutes to complete each quiz, taking the highest score. Similar to the eHW Assignments, these are short. The longer time limit is so you can take it unrushed. You have 180 minutes to complete each test, taking the highest score. Please contact your section instructor as soon as possible if you have any issues that prevent you from completing your work. We encourage you to reach out to us.

Rhino Incentives

TIP: Use the handy, click-able **Rhino Checklist** to also keep track of earning these Rhino Incentives.

- **Rhino e-Homework Assignment Incentive:**
  For each eHW Assignment earned at 90% or above, you can redo one eHW at 10% late penalty.
- **Rhino Quiz Incentive:**
  Earn a +2 Rhino Bonus on a chapter test if you earn 90% or above (≥ 22.5) on each quiz over that test material.
- **Rhino Participation Incentives:**
  - Earn a +1 Rhino Bonus on your participation score if you earn a perfect score on the eHW *Syllabus Scavenger Hunt*.
  - Earn a +1 Rhino Bonus on your participation score if you substantively post to the **Piazza Discussion Board**.
    (Ask a question, answer another student's question, or positively contribute to the class community by sharing a tip.).