

**THE UNIVERSITY OF TEXAS AT EL PASO**  
**COLLEGE OF SCIENCE**  
**DEPARTMENT OF MATH**

Course #: Math 1508:  
Course Title: Pre-Calculus: Online course code: **DLDDY-XX3WK**  
Credit Hours: five (5)  
Term: Spring 2018  
Course Meetings &  
Location: NONE – Fully online  
Prerequisite Courses: M0311 or placement by Accuplacer  
Instructor: Julian Viera Jr.  
Office Location: Bell Hall 119  
Contact Info: 747-6770  
E-mail address: [jviera1@utep.edu](mailto:jviera1@utep.edu)  
Emergency Contact: 747-6770

Office Hours: MTWR 9:30 – 11:20 AM or by appointment.

**If you are having trouble with entering solutions into ALEKS or logging in then contact ALEKS Support at <https://mhedu.force.com/aleks/s/alekscontactsupport>**

Required Textbook(s), Materials: Aleks 360 with eText: <http://www.aleks.com>

**Nota:** Este programa se puede cambiar a español si es necesario haciendo clic en el marcado Español de menú desplegable.



**Description:**

“When a student first logs on to ALEKS, a brief tutorial shows him how to use these ALEKS answer input tools. The student then begins the ALEKS Assessment. In a short period of time (about 45 minutes for most courses), ALEKS assesses the student's current course knowledge by asking him a small number of questions (usually 20-30).”

“To ensure that topics learned are retained in long term memory, ALEKS periodically reassesses the student, using the results to adjust the student's knowledge of the course.

Because students are forced to show mastery through mixed question assessments that cannot be predicted, mastery of the ALEKS course means true mastery of the course.”

#### Course Objectives (Learning Outcomes):

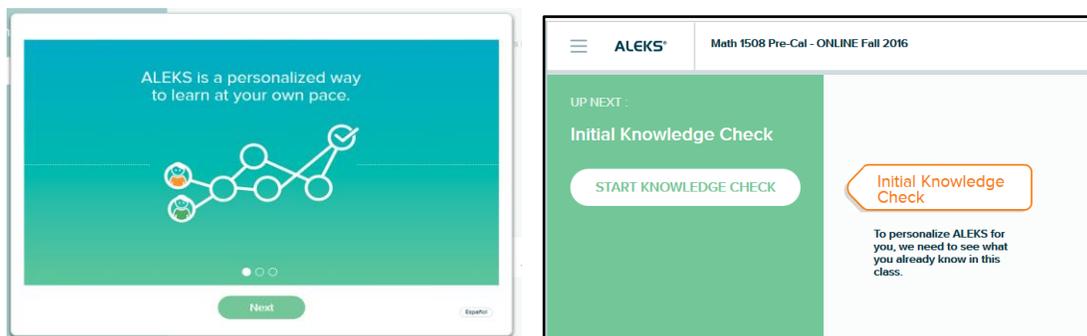
Students are expected to have a clear understanding of the ideas of Precalculus as a solid foundation for subsequent courses in mathematics and other disciplines as well as for direct application to real life situations.

The content of the entire course covers topics from basic mathematics and develop them using practical and theoretical tools, building applications and making a strong support for Calculus classes.

A student passing MATH1508 Precalculus course will be able to work with the concepts of functions (functions in general, exponential and logarithmic functions, polynomial and rational functions, trigonometric functions, etc), to solve a system of linear and non-linear equations and inequalities, to make basic operations with matrices, to apply mathematical induction method, to work with trigonometric functions and their properties, and to apply in problems related to other branches of Science: Calculus, Algebra, Physics, Chemistry, Biology, Pharmacy, Engineering, Statistics, etc.

#### Course Activities/Assignments:

You will find all work on <http://www.aleks.com> . When you log onto ALEKS you will go through a tutorial, then you will begin an **Initial Knowledge Check**.



**You must complete your Initial Knowledge Check by January 26 at midnight. Failure to complete the initial knowledge check will lead to you being dropped from this course.** If you are dropped you may lose your financial aid, so please complete your initial assessment.

Once you have completed your initial assessment, click on CONTINUE MY PATH, then beginning working on the practice problems. You do not have assignments or quizzes, just click on CONTINUE MY PATH. Do not complete any worksheets.



**Paper Notebook (not graded):** You must keep a notebook of everything you do on ALEKS. Every problem, every definition, all notes must be entered into your “hand written” notebook. You will not turn in this notebook. Use this notebook for the Knowledge checks and the Exams.

Course forum questions will be posted beginning the third week of the semester. There will be 6 to 8 forum questions to reply to. These questions are optional and are extra credit.

#### Assessment of Course Objectives:

You will have a total of 6 grades. Three of these grades will be exams and the other three will be “intermediate objectives.” The First exam will be over the Review Algebra topics, Sunday February 4.

A Midterm Exam over Functions and Graphs, Polynomial and Rational Functions, Exponential Functions and Matrices, will appear on ALEKS Sunday, March 4 at 12:01AM and close on Sunday, March 4, at 11:59PM. You may take the Midterm early if you complete the TOPICS listed in the Prep for Midterm objective. You must contact me if you want to take the midterm early.

The Final exam will be available on Thursday, May 10 at 12:01 AM and close on Thursday, May 10 at 11:59 PM.

#### Grading Policy:

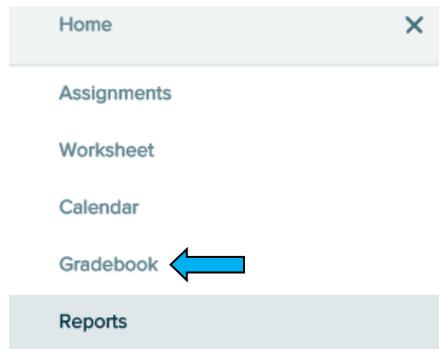
There are three intermediate objectives. Review Topics, Prep for Midterm and Trigonometry. Your grade for this course will be calculated as shown below:

	Due date	percentage
Review Topics	1/28/2018	5%
Review Topics Exam	2/4/2018	10%
Prep for Midterm	3/2/2018	15%
Midterm Exam	3/4/2018	25%
Trigonometry	5/6/2018	15%
Final Exam	5/10/2018	30%

You can check your grade at any time by clicking on the Menu bars,



Then click on Gradebook



**The Drop Date for this semester is March 29, 2018.**

#### Make-up Policy:

No makeup exams will be allowed except with proper documentation, i.e. doctor's note, hospital's note, or UTEP excused absence document.

#### Attendance Policy:

Students must work on ALEKs a minimum of 8 hours per week. Failure to work on ALEKs 8 hours per week may result in you being dropped from the course.

Students are **RECOMMENDED** to complete a minimum of 25-30 topics per week in order to complete this course successfully. Finishing 25-30 topics does not take the place of your 8 hours!

#### Academic Integrity Policy:

Cheating on a Test or Quiz must be dealt with in accordance with University regulations. This means automatic referral to and adjudication by the Dean of Students. During a Test or Quiz, you must present yourself in a manner that reflects an understanding of the traditional standards of academic honesty.

#### Disability Statement:

If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to [cass@utep.edu](mailto:cass@utep.edu), or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at [www.utep.edu/CASS](http://www.utep.edu/CASS). CASS' Staff are the only individuals who can validate and if need be, authorize accommodations for students with disabilities.

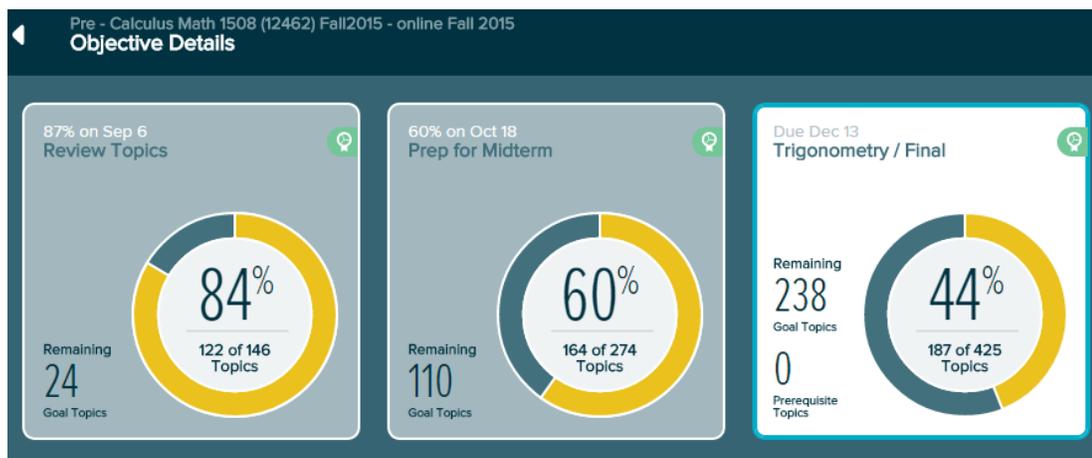
### Military Statement:

If you are a military student with the potential of being called to military service and /or training during the course of the semester, **you must contact me as soon as possible before you leave.**

### Course Schedule:

After logging onto ALEKS, uploading the appropriate plug-ins and completing the tutorial, students must complete their initial knowledge check by January 26. If the initial assessment is not completed by this date, **you will be dropped from this course.**

There are three intermediate objectives. Review Topics, Prep for Midterm and Trigonometry.



The Review Topics objective is due on January 26. The more topics you complete the better your grade will be. For example, the picture above shows 122 out of 146 topics completed, so this student's grade for the Review topics was an 84%.

The Prep for Midterm is due March 2. You want to complete as many topics as you can before this due date. The example above shows 164 out of 274 topics were completed by the due date, so that grade is a 60%.

NOTE: Some of the topics overlap, so some topic will count for more than one objective.

An online ALEKS, Midterm Exam will appear on Sunday, March 4 at 12:01AM and close on Sunday, March 4 at 11:59PM. You must login to ALEKS 2 hours before the exam closes. This will be a 1 hour and 30 minutes exam with 15 question on ALEKS, once you click on the exam you the timer does not stop.

The Trigonometry objective is due on May 10.

A Final exam will appear Thursday May 10 at 12:01 AM and close on Thursday May 10, at 11:59 PM. You must login to ALEKS 3 hours before the exam closes. This will be a 3 hour 20 question exam on ALEKS.

Good Luck: This is a challenging class, but if you put the time in each week, you will learn and be well prepared for calculus.