MAC1140 - Syllabus

Fall 2015

August 24, 2015

Introduction

MAC1140 Precalculus Algebra is a review of algebra designed to prepare students of various backgrounds to be ready to take calculus. Students must complete this course with a **C** (not **C-**) or better to advance to calculus, although barely passing this course will likely make for a difficult transition to calculus.

There are a number of similar level, lower level, and higher levels of precalculus. If this course appears to be too hard during the drop/add period, you may wish to consider an alternative such as MAC1105. For questions about options, feel free to come talk to me.

This course tries to start at a baseline and work up to challenging and advanced topics. If it fells easy to start with, it will likely not stay this way. Do not be led into a false sense of complacency and stop doing work in class, as doing so will quickly leave you behind and lost.

Prerequisites

There are no specific prerequisites for this course, however, students should be familiar with high school algebra techniques and be able to perform arithmetic *without a calculator.*

Course Content and Objective

As touched upon in the introduction, this course is designed to get a student ready for calculus. There is a lot of content contained under the heading "Algebra" and different schools teach or emphasize different parts. This course is designed to get everyone on the same page and ready for the content contained at UF. For this reason, there may be sections that seem trivial r obvious to you, but *don't be fooled*! If you decide the course will be easy, and fail to pay attention, other sections of content will surely leave you feeling lost and confused. Even in a section you know well, there may be aspects or pieces of the content you have never seen before or never thought of, so please remain alert and attentive.

Students that have completed this course with a **C** or better should be in a position to transfer to the calculus sequence, and be prepared for the application of the agebraic techniques used in that course. For those of you intending to take calculus, be aware that calculus is an exceptionally algebra heavy course. Most students that fail calculus do so due to an inability to correctly perform the very algebraic techniques learned in this course. So it will benefit you greatly to not only be capable to do the content of this course, but to master it as thoroughly as possible in order to make calculus easier for yourself.

Materials

You will need an access code for WebAssign to work on the online homework and quizzes. This code can be purchased online throught the publisher's website: `http://www.cengagebrain.com/course/1-1ZO9XE5`. You can either purchase just the WebAssign code and the e-book for $50 or you may purchase the bundle that contains the WebAssign code, e-book, and paperback version of the textbook for $95.

To login to WebAssign, you <u>must</u> use the following link:

`https://www.webassign.net/ufl/login.html`

Access to WebAssign comes with a 2 week grace period before you must purchase a code or you will be removed from the system.

The textbook for this course is Precaculus (9th Edition UF Custom) by Larson (ISBN-13: 978-1-305-04654-2, ISBN-10: 1-305-04654-4). This is NOT a required material, however access to this book is recommened.

Also available are the lecture notes from the course. These are the notes that I will be following in class. They are available from Target Copy (across University Ave). Just mention the course number MAC1140.

Grading

The grades in this course are on a point-based system. All your grades will be posted in Canvas (`https://lss.at.ufl.edu`). The breakdown of points and assignments is below. There are no "extra credit" assignments in this course, and there is no "curve" in this course either.

Exams

There are 3 midterm exams each worth 50 points and a cumulative final exam worth 100 points. The dates for these exams are posted on the course calendar. Please make note of these exam dates. Also, the 3 midterm exams are held in the evening from 8:30 p.m. to 10:00 p.m. The time of the final exam is 3:00-5:00 p.m. as posted in the registrar's calendar. The final exam score (divided by 2) can replace the lowest exam score, if necessary. During the exam, all personal belongings must be put in the front of the exam room. So, do not bring anything valuable. All electronics must be turned off and put out of arms reach. Any possession of a cell phone, calculator, or other electronic device during the exam constitutes a serious violation of academic honesty guidelines.

Points will be deducted if the test form code, UF ID, name, or section number are encoded incorrectly. Points will be deducted if you take the exam in a room other than your assigned exam room.

Students entering more than 20 minutes late will not be allowed to take the exam. Likewise, no student may leave within the first 20 minutes.

The exam dates are as follows:

Exam 1	September 17th	$8:30 - 10:00$p.m.
Exam 2	October 23rd	$8:30 - 10:00$p.m.
Exam 3	November 20th	$8:30 - 10:00$p.m.
Final Exam	December 15th	$3:00 - 5:00$p.m.

Online Homework

There are 12 WebAssign homework assignments each worth 3 points. Only 30 points are taken from this catagory. This way there are some points built in to account for any technical difficulties you my experience or due to WebAssign.

Quizzes

There will be 14 quizzes throughout the semester each worth 10 points. 7 of them will be in-class, and the other 7 will be online in WA. The lowest 4 scores will be dropped. The dates for these quizzes are posted in the course calendar.

Written Homework

There will be 14 written HW assignments throughout the semester each worth 5 points. Only a total of 50 points will be counted towards your total grade. These will be due <u>in-class</u> on the dates marked on the calendar.

Class Participation

There are 20 points worth of class participation points. These could be allocated through pop quizzes or random class assignments as determined by your instructor. These are designed to encourage class attendence. Don't miss class or you may miss some of these points.

Makeup Policy

There will be <u>NO</u> makeups for quizzes or homework. This is because we drop the lowest 4 quiz grades and we cap out the written homework points. There are absolutely NO extensions for WebAssign homeworks.

For exams, if you have a documented scheduling conflict due to an official Univeristy of Florida event, such as an assembly exam in another class, contact the instructor with documentation <u>at least one week in advance of the exam</u>. If you miss an exam due to a medical emergency, contact the instructor <u>immediately</u>. You must be able to provide proper documentation. Students must register for the make-up exam at least a week before the exam date and those who do not will face a penalty on their exam grade, or they may not be able to take the exam.

Grade Breakdown

WebAssign HW (3pts$\times$ 12=36pts)	30
Written Homework (5pts$\times$ 14=70pts)	50
Class Participation	20
Quizzes (10pts$\times$ 14=140pts drop 4)	100
Midterm Exams (50pts$\times$ 3=150pts)	150
Final Exam	100
Total Points	450

Grading Scale

A	405-450	C	315-332
A-	391-404	C-	301-314
B+	378-390	D+	288-300
B	360-377	D	270-287
B-	346-359	D-	256-269
C+	333-345	E	lower than 255

A Word About Calculators

No calculator is required for this course. Calculators are not allowed on any exam or quiz. All exam and quiz problems will be written so that a calculator is not needed. As such, it is recommended that you avoid using calculators on when working on homework or practice problems.

Advising and Help

For all concerns with MAC 1140, your instructor is your main resource. Office hours will be posted and are regular times when I am available to answer questions, discuss grades, advise students on future classes, or help students in any available way. You do **not** need an appointment to visit during office hours. If you need to meet outside of office hours, please contact me for an appointment.

In addition, there are several other free resources available to you:

- The Teaching Center Math Lab, located at SE Broward Hall, offers free informal tutoring. You may want to attend different hours to find the tutors with whom you feel most comfortable. Go to `http://www.teachingcenter.ufl.edu` to find their hours. You can also request free one-on-one tutoring.

- Textbooks and solution manuals are located at the reserve desks at Marston Science Library.

- The Counseling Center has some information on developing math confidence. Go to `http://www.counseling.ufl.edu/cwc/Developing-Math-Confidence.aspx` for information on math confidence and joining the Academic Confidence Group.

- A list of qualified tutors for hire is available at `http://www.math.ufl.edu`.

Honor Code

All students are required to abide by the Academic Honesty Guidelines which have been accepted by the University. The academic community of students and faculty at the University of Florida strives to develop, sustain and protect an environment of honesty, trust and respect. Students are expected to pursue knowledge with integrity.

Violations of the Academic Honesty Guidelines shall result in judicial action and a student being subject to the sanctions in paragraph XIV of the Student Code of Conduct. The conduct set forth hereinafter constitutes a violation of the Academic Honesty Guidelines (University of Florida Rule 6C1-4.017). You may find the Student Honor Code and read more about student rights and responsibilities concerning academic honesty at the link `www.dso.ufl.edu/sccr/`.

Students with Disabilities

Students requesting classroom accommodation must first register with the Dean of Students Office `www.dso.ufl.edu/drc/`. The DOS will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation. Any accomodations for exams must be submitted <u>no later than</u> two weeks **before** the first exam. If a student does not supply the appropriate documentation in a timely fashion, the instructor may not be able to accomodate the student in a timely manner.

MAC1140 Fall 2015 Semester Calendar

Monday	Tuesday	Wednesday	Thursday	Friday
Aug 24th **Lecture 1**	25th **Lecture 1**	26th **Lecture 2**	27th **Lecture 2**	28th **Lecture 2** **Practice Quiz**
31st **Lecture 3**	Sep 1st **Lecture 3** Quiz 1	2nd **Lecture 4**	3rd **Lecture 4**	4th **Lecture 5** HW 1 Due
7th Labor Day	8th **Lecture 5** Quiz 2 (WA)	9th **Lecture 6**	10th **Lecture 6**	11th **Lecture 7** HW 2 Due
14th **Lecture 7**	15th **Lecture 8** Quiz 3	16th **Review**	17th **Review** EXAM 1	18th **Lecture 8** HW 3 Due
21st **Lecture 9**	22nd **Lecture 9** Quiz 4 (WA)	23rd **Lecture 9**	24th **Lecture 10**	25th **Lecture 10** HW 4 Due
28th **Lecture 10**	29th **Lecture 11** Quiz 5	30th **Lecture 11**	Oct 1st **Lecture 12**	2nd **Lecture 12** HW 5 Due
5th **Lecture 12**	6th **Lecture 13** Quiz 6 (WA)	7th **Lecture 13**	8th **Lecture 14**	9th **Lecture 14** HW 6 Due
12th **Lecture 14**	13th **Lecture 15** Quiz 7	14th **Lecture 15**	15th **Lecture 15**	16th **Lecture 16** HW 7 Due
19th **Lecture 16**	20th **Catch-up** Quiz 8 (WA)	21st **Review**	22nd **Review**	23rd **Review** EXAM 2 HW 8 Due

Monday	Tuesday	Wednesday	Thursday	Friday
26th **Lecture 16**	27th **Lecture 17** Quiz 9	28th **Lecture 17**	29th **Lecture 17**	30th **Lecture 18** HW 9 Due
Nov 2nd **Lecture 18**	3rd **Lecture 19** Quiz 10 (WA)	4th **Lecture 19**	5th **Lecture 19** HW 10 Due	6th Homecoming
9th **Lecture 20**	10th **Lecture 20** Quiz 11	11th Veteran's Day	12th **Lecture 20**	13th **Lecture 21** HW 11 Due
16th **Lecture 21**	17th **Lecture 22** Quiz 12 (WA)	18th **Review**	19th **Review**	20th **Review** EXAM 3 HW 12 Due
23rd **Lecture 22**	24th **Lecture 22**	25th Thanksgiving	26th Thanksgiving	27th Thanksgiving
30th **Lecture 23**	Dec 1st **Lecture 23** Quiz 13	2nd **Lecture 23**	3rd **Lecture 24**	4th **Lecture 24** HW 13 Due
7th **Review**	8th **Review** Quiz 14 (WA)	9th **Review** HW 14 Due Last Day	10th Reading Day	11th Reading Day
14th	15th FINAL EXAM	16th	17th	18th