

MAT 187A & 187B

Syllabus

Spring 2015

Instructor:

Contact:

Lecture:

Textbook:

L. Daniel Arce.

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(530) 318-1477

Monday & Wednesday 6:00 – 8:25 PM

Basic College Mathematics

by Tobey & Slater

Course:

This course is an introduction to Mathematics. This class will be the foundation from which you will build almost all of your future Math knowledge. It is important that you learn each and every chapter and every concept as thoroughly as possible.

This course is divided into two parts each of which will get a grade. I am sure this is not the first time you have seen most of this material. You may still remember much of it, forgotten most or perhaps never quite truly grasped some. I ask that you treat the class as if it were all new. Do not get overconfident if a topic seems familiar.

We will begin with an understanding of **Numbers** and **Operations**. We will spend quite a bit of time on **Fractions**. We will end the first part of the course with **Decimals**. In the second part we will pick up more decimal operations. We will study **Ratios** and **Percentages**. We will finish the quarter with signed number operations, **Conversions** and an introduction to **Algebra**.

By now most of you know that there is no 'Royal Road to Mathematics'. It is only learned through hard and consistent work. You will see that even the most intimidating concepts can be learned and then mastered by anyone who puts in the time.

Do Not fall behind. Most of the concepts you will study are based on previously learned material. Unless you are clear on previous lessons, you will find it almost impossible to learn the new material. If you see yourself falling behind, let me know. I will help you catch up. Please **KEEP UP WITH THE COURSE**. **Do Not miss a single day of math class. It really hurts.**

It is important that you are always willing to ask questions in class. Even if your questions have to do with previous lessons please ask them anyway. We will all appreciate it. Stupid questions do exist, but never about math.

You are **not** allowed the use of a calculator in this class.

REQUIRED SOFTWARE LICENSE:

In this class, it is required to have a software license for MyMathLab. Students have two choices. The **first choice** is to purchase the textbook from the bookstore. The textbook comes with the software license for an additional cost of approximately \$5.

The **second choice** is to purchase the license alone either from the bookstore or online at coursecompass.com. The license gives you access to the textbook online. This is a more economical choice, but is only recommended to students who have online access and feel comfortable reading a computer screen instead of a traditional book.

If you purchase a used textbook, you will also need to purchase the software license. This software license will also be good for Math 152A & Math 152B at no extra cost as long as you take those classes in a timely manner.

Our course id for **MAT187A** is: **arce95692**

Our course id for **MAT187B** is: **arce66522**

For assistance using MyMathLab call 1-800-677-6337.

Mon – Fri 5:00 AM – 5:00 PM & Sunday 2:00 PM – 9:00 PM

Online assistance is available 24 hours every day at 247pearsoned.custhelp.com

Homework and Quizzes with MyMathLab:

Homework will be done online using MyMathLab. Due dates are listed for you when you go online to do the assignments. Feel free to consult a fellow classmate, a tutor, your instructor, or anyone else for assistance on the homework. In addition, the computer will give you help with any problem, show you an example of a similar problem, and in some cases show you a video of someone teaching how to do that type of problem. You can work on homework after the due date but there may be penalties for being late. Online Quizzes will be taken in MyMathLab. Before you take the quiz, make sure that you have done the homework for the sections covered by the quiz, read the appropriate sections in the textbook, watched the video(s), and received assistance from either the computer, a tutor, or your instructor on any difficult topics. If you do not take a quiz on time, a zero will be recorded for that grade.

In-Class Quizzes and Exams:

Each of the six week sections will have **two Quizzes, two exams** and a **Final Exam**. Most of your grade will depend on these. If you do the homework along with the on-line quizzes and understand them you should not have too much trouble with the In-Class Quizzes or Exams. Calculators will not be allowed in class ever so please do the MyMathlab homework and quizzes without them.

If you have a learning disability and would like to have more time to take your quizzes and tests, let me know. We will make arrangements.

WHERE TO FIND A COMPUTER ON CAMPUS:

Computers are available for your use in the following locations on campus:

- v Learning Assistance Center (LAC)* open Mon - Th 10 - 6, Fri 10 - 2, Sat 11 - 3.
- v Math Success Center (MSC) * open Mon - Th 9 - 6, Fri 10 - 2, Sat 11 - 1.
- v Open Labs in the D-wing which have available times posted by the door of each lab.

Grading:

MyMathLab:	60 points.	180 points and above	A
Quizzes:	30 points (15 points each)	160 - 179 points	B
Exams:	50 points (25 points each)	140 - 149 points	C
Final:	60 points.	120 - 139 points	D
		below 120	F

Your Quizzes, Exams and Final will sometimes include a very small amount of extra credit problems.

Tutoring:

You should know that this course, as well as any other college math course, is quite labor intensive. This is especially so if it has been more than a few months since your last math class. You will quickly find that you need to study more than you ever expected just to keep up.

If you find yourself behind or do not understand some of the references made during lecture please come talk to me. Often times a simple misunderstanding will make it seem like you do not understand a thing.

I will always be willing to make time for tutoring. Teaching Mathematics is my idea of time well spent so never hesitate to ask me for individual help. There are also many other fine Math tutors with set hours and free of charge, (what more could you ask for). Many times it helps to hear concepts explained by different sources so please make them feel useful.

Never hesitate to ask for help when it comes to Math and Science.

Registration:

You must be registered for this class by today. If you are not yet registered please do so promptly.

Last days to drop the class without record are **April 10 & May 22.**

Last days to drop with a **W** are **April 27 & June 8.**

Our Finals are scheduled for **Wednesday May 13 at 6:00 PM** for **MAT187A** and
Monday June 22 at 6:00 PM for **MAT187B**

Student Learning Outcomes:

1. Perform arithmetic operations with whole numbers, fractions, and decimals.
2. Translate written language into mathematical statements.
3. Apply the concepts in the course to real life situations.
4. Apply study skills learned in this class to studying in this class.

SCHEDULE

April 6, 8

Introduction.
Sections: 1.1 - 1.6

April 13, 15

Sections: 1.7, 1.8, 2.1, 2.2
In-Class Quiz #1

April 20, 22

Sections: 2.3 - 2.6
In-Class Exam #1

April 27, 29

Sections: 2.7 - 2.9
In-Class Quiz #2

May 4, 6

Sections: 3.1 - 3.4
In-Class Exam #2

May 11

May 13

Catch-Up / Review
FINAL

May 18, 20

Sections: 3.5 - 3.7
Sections: 4.1 - 4.3 , 5.1

May 25, 27

In-Class Quiz #1
Sections: 5.2 - 5.4

June 1, 3

Sections: 5.5, 9.1, 9.2
In-Class Exam #1

June 8, 10

Sections: 9.3, 9.4, 7.5
In-Class Quiz #2

June 15, 17

In-Class Exam #2
Catch-Up / Review

Monday June 22

FINAL