

Welcome to Section ES31 of MATH-1200 (Trigonometry) at Southeast Community College in the Fall term of 2018.

### Contact information

Instructor: Toby Bartels.

Web page (for course policies and assignments): <http://TobyBartels.name/MATH-1200/2018FA/>.

Moodle page (for grades): <http://online.southeast.mrooms3.net/course/view.php?id=70792>.

Knewton course (for homework): <https://knerd.me/qmhtsw>

Email: [TBartels@Southeast.edu](mailto:TBartels@Southeast.edu).

Voice mail: 1-402-323-3452.

Text messages: 1-402-805-3021.

Class hours: Tuesdays and Thursdays from 2:00 PM to 3:55 PM in ESQ 100D.

Office hours: Mondays through Fridays from 12:30 to 1:30 PM, and by appointment, in ESQ 112.

### Assignments

I'll assign readings from the textbook, but I'll also give lectures over that material; I'll also have a few handouts from time to time. I'll also assign a few basic problems due in class for each day. You will need to complete all of the daily homework assignments before you can take all of the exams. You'll spend most of your time outside of class working on problems in the Knewton Alta adaptive system. This is my first time teaching a class with Knewton, so I'll be very interested if you have feedback during the term, and I may change the Knewton assignments in case of difficulties.

As you work on assignments, you may use your textbook and any notes that you took during your reading. You can also talk to other people for help, whether in this class or not. You can also use calculators (unless explicitly forbidden). Finally, you can ask me for help if necessary, and the college also provides tutors both downtown and on the main campus.

There will also be biweekly exams, taken individually during class with pencil and paper but based on the Knewton problem sets. Before taking each exam, you must complete the daily homework assignments corresponding to the same material; since these are all due at least one class day before the exam, this will hopefully already be done. When taking the exams, you may use calculators (but not communication devices such as cell phones) and any notes that you wrote yourself, but *not* your textbook or anything else not written by you.

There will be a comprehensive final exam on December 13 Thursday (or December 18 Tuesday in case of bad weather or the like). To speed up grading at the end of the term, the exam will be multiple choice and filling in blanks, with no partial credit (except possibly on extra credit problems). For the final exam, you may use one sheet of notes that you wrote yourself. However, you may not use your book or anything else not written by you. I will have a mock exam ready at least two weeks before the actual exam.

### Grading

You can see your grade, as far as I have it calculated at any given time, by logging in to the Moodle site.

Here are the assignments that contribute to your grade, with their frequencies and percentage of the final grade:

- Daily reading homework, graded for correctness: 20% total;
- Biweekly problem sets, graded for completeness: 20% total;
- Biweekly exams, graded for correctness: 40% total;
- A comprehensive final exam: 20%.

Nothing else directly affects your grade. However, there will be extra-credit problems on the problem sets, which I will grade for correctness.

Strictly speaking, there is no curve, so you are not competing against your fellow students. In fact, you'll be working on a lot of your assignments together! However, if grades don't turn out as I expect,

then I'll consider whether an assignment was more difficult than I intended and adjust the grades accordingly (usually by making a hard problem extra credit).

Sometimes you will be required to show some of your work; make sure that you read and follow the instructions! To get as much credit as possible, it's good to explain your answers as clearly as you can, even when the instructions don't specifically ask you to. If you can convince me that you know what you're doing, then you'll get some credit. But if it looks as if you just pulled an answer out of thin air (or the back of the book), then you won't get credit.

I also suggest that you cross out (and *not* erase) any significant amount of work that you decide is incorrect, in case you later want to look at it after all; this also makes it easier to read the paper later. Along the same lines, I'd appreciate it if your papers are cleanly detached (not torn out of a spiral notebook) and of a normal size (not scraps or notecards). Finally, if you have several sheets that aren't properly fastened together, then make sure that you have your name on each sheet.

## Attendance

I need to take attendance every day for purposes of financial aid; if you fail the class, then I must report your last date of attendance. If this is too early, then this can affect your financial aid. If you don't show up at all during the first week or so, then you'll be automatically dropped from the class at the worst possible time (when you'll still have to pay for it but probably won't get much if any financial aid for it). On the other hand, if you decide to drop the class after you show up, then you'll need to fill out a withdrawal form to do that. But check with the financial aid office before you drop; in fact, sometimes it's best not to drop at all if you're going to take the class again and pass it.

I will normally use your turned-in work to take attendance, so make sure that you sign the attendance sheet if you don't turn anything in. (On the first day of class, I'll pass around an attendance sheet.) If you expect to be absent, then tell me ahead of time! That way, we can arrange for you to ask any questions that you need and to make up work. If you can't contact me ahead of time, then contact me as soon as possible. Once I grade an assignment for correctness, you won't be able to make it up, but I can delay grading it or arrange an exception if you're in touch with me. You can work on the Knewton problem sets at any time through the last day of the term (December 18 Tuesday), but the exams will be easiest if you've completed the problem sets already.

I'm not concerned with the reasons for your absence or tardiness; what's important is that you communicate with me about it. On the other hand, if you want a late drop or an incomplete, then you will need a good reason with unusual circumstances, such as a serious administrative error by the college or a major disruption out of your control.

## Schedule

The first day of class (October 4 Thursday), I'll discuss the administrative aspects of the course and give a brief introduction to the basic ideas of Trigonometry. If you miss this day, then you shouldn't suffer too much for it, but you'll want to get the administrative information. The next day (October 9 Tuesday), the class will begin in earnest.

The official textbook is *Algebra & Trigonometry* written by Abramson and published by OpenStax. In addition to a review of Sections 2.1 and 3.5, we cover all of Chapters 7–10, *except* for Sections 9.4 and 10.5–10.7. Here is the complete list of covered sections: 2.1, 3.5, 7.1–7.4, 8.1–8.3, 9.1–9.3, 9.5, 10.1–10.4, 10.8. I'll review Section 3.5 with Section 8.1, where is needed; otherwise, I'll follow the order in the textbook, or I'll announce it ahead of time if I change the order.

For the (possibly updated) schedule of specific dates for each reading, check the homework assignments online. Exams are about once every other week, usually on a Tuesday; all of the dates are listed online. There is also a comprehensive final exam on December 13 Thursday, weather permitting. There is no school on November 21–25.