

Welcome to MATH1113 - Precalculus

Section: 15199

Your Instructor: Daniel Mckenzie

University of Georgia

August 14, 2017

What have you heard about this course?

What have you heard about this course?

- Difficult?

What have you heard about this course?

- Difficult?
- GPA sinker or an easy 'A'?

What have you heard about this course?

- Difficult?
- GPA sinker or an easy 'A'?
- Webassign can be tricky to use?

What have you heard about this course?

- Difficult?
- GPA sinker or an easy 'A'?
- Webassign can be tricky to use?
- No partial credit?

What have you heard about this course?

- Difficult?
- GPA sinker or an easy 'A'?
- Webassign can be tricky to use?
- No partial credit?
- Boring or Fun?

What have you heard about this course?

- Difficult?
- GPA sinker or an easy 'A'?
- Webassign can be tricky to use?
- No partial credit?
- Boring or Fun?

Perhaps this won't be the most interesting course you'll take this year, but it is *essential* for more advanced courses critical to your major.

Class info and etiquette

- You can call me Daniel, or Mr. Mckenzie, whichever you prefer.

Class info and etiquette

- You can call me Daniel, or Mr. Mckenzie, whichever you prefer.
- We meet MWF in this class from 1:25 to 2:15pm. Office hours TBA.

Class info and etiquette

- You can call me Daniel, or Mr. McKenzie, whichever you prefer.
- We meet MWF in this class from 1:25 to 2:15pm. Office hours TBA.
- Attendance is required. If you have to miss class (for a **legitimate** reason) email me in advance. After five unexcused absences you will be withdrawn from the class (*I intend to follow up on this!*)

Class info and etiquette

- You can call me Daniel, or Mr. McKenzie, whichever you prefer.
- We meet MWF in this class from 1:25 to 2:15pm. Office hours TBA.
- Attendance is required. If you have to miss class (for a **legitimate** reason) email me in advance. After five unexcused absences you will be withdrawn from the class (*I intend to follow up on this!*)
- Punctuality is expected. If you are consistently five or more minutes late I will count this as an unexcused absence.

Class info and etiquette

- You can call me Daniel, or Mr. McKenzie, whichever you prefer.
- We meet MWF in this class from 1:25 to 2:15pm. Office hours TBA.
- Attendance is required. If you have to miss class (for a **legitimate** reason) email me in advance. After five unexcused absences you will be withdrawn from the class (*I intend to follow up on this!*)
- Punctuality is expected. If you are consistently five or more minutes late I will count this as an unexcused absence.
- Your phones, computers and mobile devices **must** be put away and on silent during class.

Class info and etiquette

- You can call me Daniel, or Mr. McKenzie, whichever you prefer.
- We meet MWF in this class from 1:25 to 2:15pm. Office hours TBA.
- Attendance is required. If you have to miss class (for a **legitimate** reason) email me in advance. After five unexcused absences you will be withdrawn from the class (*I intend to follow up on this!*)
- Punctuality is expected. If you are consistently five or more minutes late I will count this as an unexcused absence.
- Your phones, computers and mobile devices **must** be put away and on silent during class.
- Questions are encouraged!! Feel free to ask questions before, during or after class, or on Piazza.

Class info and etiquette

- You can call me Daniel, or Mr. McKenzie, whichever you prefer.
- We meet MWF in this class from 1:25 to 2:15pm. Office hours TBA.
- Attendance is required. If you have to miss class (for a **legitimate** reason) email me in advance. After five unexcused absences you will be withdrawn from the class (*I intend to follow up on this!*)
- Punctuality is expected. If you are consistently five or more minutes late I will count this as an unexcused absence.
- Your phones, computers and mobile devices **must** be put away and on silent during class.
- Questions are encouraged!! Feel free to ask questions before, during or after class, or on Piazza.
- If you require academic accommodation or may need to miss class due to UGA athletics, let me know ASAP.

Goals of this course

We shall cover the following:

Goals of this course

We shall cover the following:

- Functions and inverse functions

Goals of this course

We shall cover the following:

- Functions and inverse functions
- Exponential and Logarithmic functions.

Goals of this course

We shall cover the following:

- Functions and inverse functions
- Exponential and Logarithmic functions.
- Trigonometry and applications.

Goals of this course

We shall cover the following:

- Functions and inverse functions
- Exponential and Logarithmic functions.
- Trigonometry and applications.

This will be the foundation on which you'll build calculus.

Goals of this course

We shall cover the following:

- Functions and inverse functions
- Exponential and Logarithmic functions.
- Trigonometry and applications.

This will be the foundation on which you'll build calculus.

It will also enable you to confidently solve quantitative problems in chemistry, biology and business

Goals of this course

We shall cover the following:

- Functions and inverse functions
- Exponential and Logarithmic functions.
- Trigonometry and applications.

This will be the foundation on which you'll build calculus.

It will also enable you to confidently solve quantitative problems in chemistry, biology and business Problem solving will be emphasized above rote learning.

- 1 ALEKS is an adaptive learning system. It uses artificial intelligence to set and guide you through a personalized learning programme.

- 1 ALEKS is an adaptive learning system. It uses artificial intelligence to set and guide you through a personalized learning programme.
- 2 An account has been set up for you, and you will access it via ELC.

- ① ALEKS is an adaptive learning system. It uses artificial intelligence to set and guide you through a personalized learning programme.
- ② An account has been set up for you, and you will access it via ELC.
- ③ Access Code.

- ➊ ALEKS is an adaptive learning system. It uses artificial intelligence to set and guide you through a personalized learning programme.
- ➋ An account has been set up for you, and you will access it via ELC.
- ➌ Access Code.
- ➍ To do this week: Initial knowledge check, Section 1.1 - 1.2

- 1 Official course home page: <http://www.math.uga.edu/1113>.

- 1 Official course home page: <http://www.math.uga.edu/1113>.
- 2 ALEKS has great technical support!

- 1 Official course home page: <http://www.math.uga.edu/1113>.
- 2 ALEKS has great technical support!
- 3 Use ELC for general class inquiries ('What did we do today?', 'How do I do this type of question?' or 'When is test 3?')

- 1 Official course home page: <http://www.math.uga.edu/1113>.
- 2 ALEKS has great technical support!
- 3 Use ELC for general class inquiries ('What did we do today?', 'How do I do this type of question?' or 'When is test 3?')
- 4 For inquiries about your grades, excusing yourself from class or anything of a personal nature, email me (danmac29@uga.edu).

- 1 Official course home page: <http://www.math.uga.edu/1113>.
- 2 ALEKS has great technical support!
- 3 Use ELC for general class inquiries ('What did we do today?', 'How do I do this type of question?' or 'When is test 3?')
- 4 For inquiries about your grades, excusing yourself from class or anything of a personal nature, email me (danmac29@uga.edu).
- 5 This presentation, the syllabus and several resources are available at my website danielmckenzie.github.io.

Testing and grading

- 45% of grade comes from three written in-class tests.

Testing and grading

- 45% of grade comes from three written in-class tests.
- 20% of grade comes from comprehensive final exam.

Testing and grading

- 45% of grade comes from three written in-class tests.
- 20% of grade comes from comprehensive final exam.
- 15% of your grade comes from ALEKS HW.

Testing and grading

- 45% of grade comes from three written in-class tests.
- 20% of grade comes from comprehensive final exam.
- 15% of your grade comes from ALEKS HW.
- 10% of your grade comes from in-class activities and quizzes.

Testing and grading

- 45% of grade comes from three written in-class tests.
- 20% of grade comes from comprehensive final exam.
- 15% of your grade comes from ALEKS HW.
- 10% of your grade comes from in-class activities and quizzes.
- 10% of grade comes from four basic skills tests (to be taken in Boyd computer lab).

Final Exam Grade Restriction

Your final grade cannot be more than one letter and a third grade higher than the grade on your final exam. For example, if your total score results in an A- but your final exam grade is a C, then your final grade will be a B+. Also, if your score on the final is a D you cannot be given a class grade greater than C+.

Final Exam Grade Restriction

A

A-

B+

B

B-

C+

C

C-

D

F

Final Exam Grade Restriction

A

A-

B+

B

B-

C+

C

C-

D+ Phantom grade

D

D- Phantom grade

F

Final Exam Grade Restriction

A

A-

B+ Maximum Course Grade

B

B-

C+

C Final Exam Grade

C-

D+ Phantom grade

D

D- Phantom grade

F

Final Exam Grade Restriction

A

A-

B+

B

B-

C+ Maximum Course Grade

C

C-

D+ Phantom grade

D Final Exam Grade

D- Phantom grade

F

Final Exam Grade Restriction

A

A-

B+

B

B-

C+

C

C- Maximum Course Grade

D+ Phantom grade

D

D- Phantom grade

F Final Exam Grade

Important Dates

- Drop/Add ends on Friday 18th August.

Important Dates

- Drop/Add ends on Friday 18th August.
- First Basic skills test is 13th to 15th September.

Important Dates

- Drop/Add ends on Friday 18th August.
- First Basic skills test is 13th to 15th September.
- Test 1 on 20th September.

Important Dates

- Drop/Add ends on Friday 18th August.
- First Basic skills test is 13th to 15th September.
- Test 1 on 20th September.
- Test 2 on 13th October.

Important Dates

- Drop/Add ends on Friday 18th August.
- First Basic skills test is 13th to 15th September.
- Test 1 on 20th September.
- Test 2 on 13th October.
- Withdrawal deadline 19th October.

Important Dates

- Drop/Add ends on Friday 18th August.
- First Basic skills test is 13th to 15th September.
- Test 1 on 20th September.
- Test 2 on 13th October.
- Withdrawal deadline 19th October.
- Test 3 on 17th November.

Important Dates

- Drop/Add ends on Friday 18th August.
- First Basic skills test is 13th to 15th September.
- Test 1 on 20th September.
- Test 2 on 13th October.
- Withdrawal deadline 19th October.
- Test 3 on 17th November.
- Final exam on 12th December.

How to succeed in this course

- Consistent effort will pay off.

How to succeed in this course

- Consistent effort will pay off.
- Actively engage in the class, ask questions when you don't understand something.

How to succeed in this course

- Consistent effort will pay off.
- Actively engage in the class, ask questions when you don't understand something.
- Get help when you need it, as soon as you need it! (tutoring options on next slide)

How to succeed in this course

- Consistent effort will pay off.
- Actively engage in the class, ask questions when you don't understand something.
- Get help when you need it, as soon as you need it! (tutoring options on next slide)
- Consistently work on the ALEKS HW. If you fall behind it is difficult to catch up.

How to succeed in this course

- Consistent effort will pay off.
- Actively engage in the class, ask questions when you don't understand something.
- Get help when you need it, as soon as you need it! (tutoring options on next slide)
- Consistently work on the ALEKS HW. If you fall behind it is difficult to catch up.
- Form a study group.

Tutoring Options

- Math department study hall, staffed by graduate students:
<http://www.math.uga.edu/study-hall-and-tutoring>

Tutoring Options

- Math department study hall, staffed by graduate students:
<http://www.math.uga.edu/study-hall-and-tutoring>
- Tutors for a fee (mostly math graduate students):
<http://www.math.uga.edu/math-tutors-fee-charged>

Tutoring Options

- Math department study hall, staffed by graduate students:
<http://www.math.uga.edu/study-hall-and-tutoring>
- Tutors for a fee (mostly math graduate students):
<http://www.math.uga.edu/math-tutors-fee-charged>
- Division of Academic Enhancement:
<http://tutor.uga.edu/arc/tutoring/>

Academic Honesty

- You need to be familiar with 'A Culture of Honesty'. Ignorance of it is not a valid excuse.

Academic Honesty

- You need to be familiar with 'A Culture of Honesty'. Ignorance of it is not a valid excuse.
- Discussing a test with someone who has not yet taken it is not allowed! This includes online discussion (Facebook, SnapChat, Groupme etc).

Academic Honesty

- You need to be familiar with 'A Culture of Honesty'. Ignorance of it is not a valid excuse.
- Discussing a test with someone who has not yet taken it is not allowed! This includes online discussion (Facebook, SnapChat, Groupme etc).
- Discussing a Basic Skills test with **anyone except me** during testing is not allowed!

Academic Honesty

- You need to be familiar with 'A Culture of Honesty'. Ignorance of it is not a valid excuse.
- Discussing a test with someone who has not yet taken it is not allowed! This includes online discussion (Facebook, SnapChat, Groupme etc).
- Discussing a Basic Skills test with **anyone except me** during testing is not allowed!
- Having any internet-capable device on you during testing is not allowed!

Academic Honesty

- You need to be familiar with 'A Culture of Honesty'. Ignorance of it is not a valid excuse.
- Discussing a test with someone who has not yet taken it is not allowed! This includes online discussion (Facebook, SnapChat, Groupme etc).
- Discussing a Basic Skills test with **anyone except me** during testing is not allowed!
- Having any internet-capable device on you during testing is not allowed!
- Getting someone else to do your Homework is not allowed!

Academic Honesty

- You need to be familiar with 'A Culture of Honesty'. Ignorance of it is not a valid excuse.
- Discussing a test with someone who has not yet taken it is not allowed! This includes online discussion (Facebook, SnapChat, Groupme etc).
- Discussing a Basic Skills test with **anyone except me** during testing is not allowed!
- Having any internet-capable device on you during testing is not allowed!
- Getting someone else to do your Homework is not allowed!
- Follow the instructions on in-class assignments. If it is an individual assignment do not look at your neighbours work!

Some Final comments

- I understand that you will have many other commitments this semester, and precalc might not be the most exciting one.

Some Final comments

- I understand that you will have many other commitments this semester, and precalc might not be the most exciting one.
- If you work consistently throughout the semester and make the most of in-class time, this class need not be too time-consuming or stressful!

Some Final comments

- I understand that you will have many other commitments this semester, and precalc might not be the most exciting one.
- If you work consistently throughout the semester and make the most of in-class time, this class need not be too time-consuming or stressful!
- I am here to help you succeed!!