

# Statics - TAM 210 & TAM 211

**Fall 2017**

# TAM 210/211 Team

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# Course websites

MAIN PAGE - <https://courses.engr.illinois.edu/tam210/index.html>

## TAM 210/11: Statics

[Home](#) [Policies](#) [Info](#) [People](#) [Schedule](#)

Welcome to the official course website for TAM 210/11 at UIUC this Fall 2017.

**NOTE: This page is always under construction!!** Feel free to peruse, wander, and learn a bit about what's coming up this Fall, but dates/times/assignments etc. are subject to change. If you have any questions, feel free to drop us a line at the discussion forum on Piazza (see link below).

As well as the pages on this website, this course uses:

- Online homework via [Mastering Engineering](#)
- Online homework via [PrairieLearn](#)
- Discussion forum on [Piazza](#)
- Gradebook on [Compass](#)
- Computerized Testing Facility [exam reservation](#)
- Computerized Testing Facility [instructions](#)



Piazza: <https://piazza.com/class/j62o5jknmj61p8>

**ALL** communication in the course will be via piazza

- Open discussion of questions from class: if there's something you don't understand, chances are other people don't, and someone else may have the answer.
- Regularly checked by TAs, CAs and Profs.

The screenshot shows the Piazza interface for the TAM 210/211 course. The top navigation bar includes the Piazza logo, course name, and links for Q & A, Resources, Statistics, and Manage Class. The user profile 'Gabriel Juarez' is visible in the top right. Below the navigation bar, there are tabs for 'Unread', 'Updated', 'Unresolved', and 'Following'. A 'New Post' button and a search bar are present. The main content area is divided into two columns. The left column shows a list of pinned posts, including 'Written Assignment 1 Posted', 'Introductory Matlab Office H...', 'Mastering Engineering Course ID', 'Welcome to TAM 210/211', and 'Search for Teammates!'. The right column displays a specific post titled 'Introductory Matlab Office Hour/Clinic this Friday' by 'note'. The post content encourages students to use Matlab and provides information about an office hour on Friday (1/22) in 1001 MEL between 9am and 5pm. It also mentions that TAs from all three TAM 2XX courses will be present. The post has 159 views and was updated 1 day ago by Stephanie Ott-Monsivais and Ray Es. At the bottom, there is a section for 'followup discussions' with a link to 'Start a new followup discussion'.

piazza TAM 210/ TAM 211 Q & A Resources Statistics Manage Class Gabriel Juarez

polls hw1 3 hw2 hw3 hw4 logistics 4 other 8

Unread Updated Unresolved Following Note History:

New Post Search or add a post...

PINNED

Instr **Written Assignment 1 Posted** 1/20/16  
Dear Students, Written Assignment 1 (due Friday Jan 29) is now posted on both the course website and Compass. All submi

Instr **Introductory Matlab Office H...** 1/20/16  
Hi everyone - As part of the TAM sequence, we are strongly encouraging students to become comfortable using Matlab to solve mechanics problems. However, we know that some students enter the TAM sequence with limited exposure to using Matlab for engineering (or none at all), so we have arranged an informal clinic/office hour for Matlab th **Friday (1/22) in 1001 MEL between 9am and 5pm.** TAs from all three TAM 2XX courses will be there throughout this time period to answer questions and help you become acquainted with using Matlab.

**Mastering Engineering Course ID** 1/19/16  
There's a PDF on compass that lists a class code, but its a PDF from a past semester and so I'm not sure its the  
• An instructor thinks this is a good question

Instr **Welcome to TAM 210/211** 1/18/16  
Dear TAM 210/211 students, Welcome to Statics! My name is Ali Hamed and I'm the lead TA for this course. I'd l

Private **Search for Teammates!** 11/18/15

TODAY

**Written Assignment 1** 8:19PM

note 159 vie

**Introductory Matlab Office Hour/Clinic this Friday**  
Hi everyone -

As part of the TAM sequence, we are strongly encouraging students to become comfortable using Matlab to solve mechanics problems. However, we know that some students enter the TAM sequence with limited exposure to using Matlab for engineering (or none at all), so we have arranged an informal clinic/office hour for Matlab th **Friday (1/22) in 1001 MEL between 9am and 5pm.** TAs from all three TAM 2XX courses will be there throughout this time period to answer questions and help you become acquainted with using Matlab.

If you have other questions about Matlab (e.g., downloading from WebStore), you can always post them on Piazza as well!

#pin

other

edit good note 0 Updated 1 day ago by Stephanie Ott-Monsivais and Ray Es

followup discussions for lingering questions and comments

Start a new followup discussion

# Grade distribution

**Final grades:** The total score  $s$  corresponds to final grades as follows.

97% $s < 100\%$	A+	92% $s < 97\%$	A	89% $s < 92\%$	A-
86% $s < 89\%$	B+	82% $s < 86\%$	B	79% $s < 82\%$	B-
76% $s < 79\%$	C+	72% $s < 76\%$	C	69% $s < 72\%$	C-
66% $s < 69\%$	D+	59% $s < 66\%$	D	55% $s < 59\%$	D-
$s < 55\%$	F				

## **Grades:** on Compass2g

- Any errors in grade reporting on Compass **must be reported within 2 weeks** of the due date or by the last day of class, whichever is earlier.
- Missing grade for discussion section or a written assignment, contact one of the TAs in your section (personally or via Piazza).
- Missing grade from online homework, an exam, or i>clicker, contact the instructor (via Piazza).



# Grades

- Lots of opportunities for points, don't lose the little ones

- A tenant of this class to be successful is:  
PRACTICE, PRACTICE,  
PRACTICE

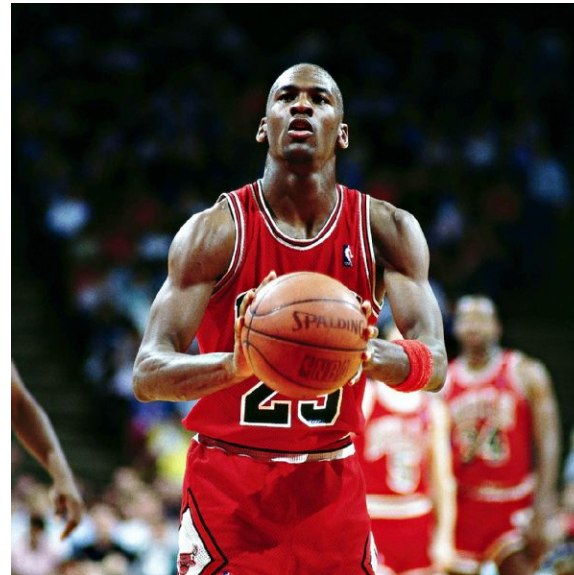
97%  $s < 100\%$  A+  
86%  $s < 89\%$  B+  
76%  $s < 79\%$  C+  
66%  $s < 69\%$  D+  
 $s < 55\%$  F

92%  $s < 97\%$  A  
82%  $s < 86\%$  B  
72%  $s < 76\%$  C  
59%  $s < 66\%$  D

89%  $s < 92\%$  A-  
79%  $s < 82\%$  B-  
69%  $s < 72\%$  C-  
55%  $s < 59\%$  D-



As of 2011, Yo-Yo Ma had practiced approximately 50,000 hours (according to Malcom Gladwell)

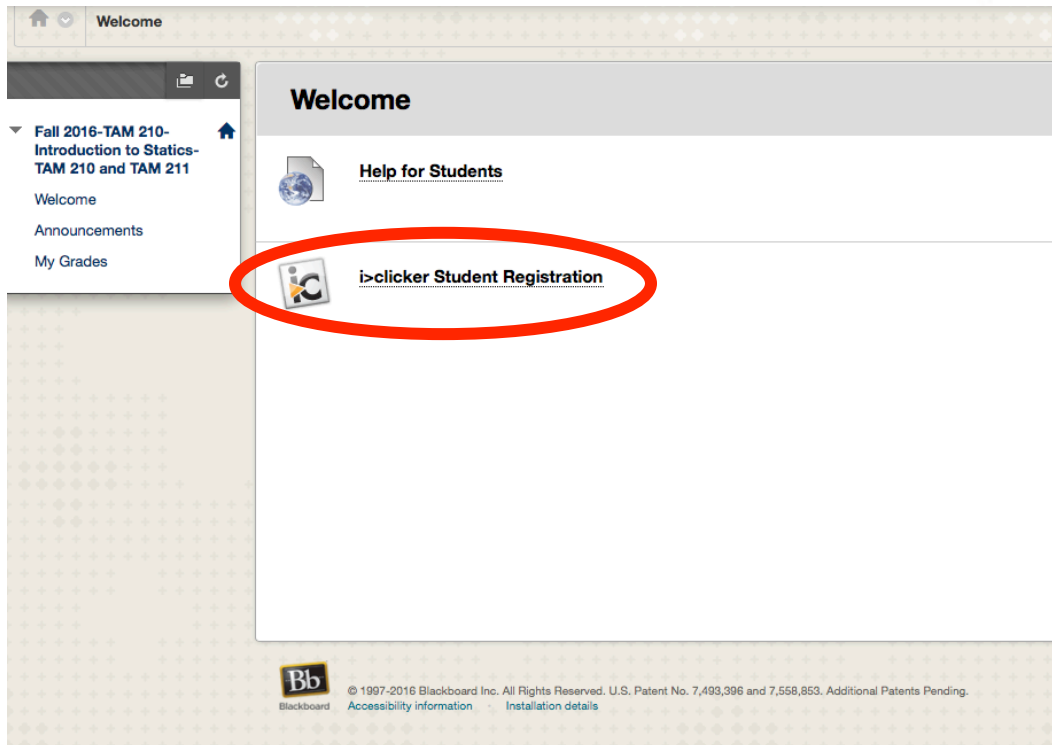


“I’m not out there sweating for three hours every day just to find out what it feels like to sweat.”

“I’ve Missed More than 9,000 Shots in My Career”

# I-Clickers – 4%

- Used for in-class assessment
- 50% participation, 50% correctness
- You should register your i>clicker on **Compass 2g**



“Make Clickers Work for You”  
Dr. Stephanie Chasteen (CU-Boulder)

# Discussion group activity – 8% of grade

- Work in groups of 3-4 students
- Goals:
  - **Gain experience in team-work**
  - **Apply engineering concepts learned in lecture to real-world problems or hands-on activities**
- **Be prompt: if you are more than 5 minutes late, you will receive a 0 ☹️**
- You need to attend the discussion in which you are registered, otherwise, your assignment will not be graded



dubishere.com



# Online Homework (ME and PL) – 10%

- Instant feedback
- Infinite number of attempts
- **First required HW is due this Friday September 1**

The screenshot shows the MasteringEngineering interface. On the left is a navigation menu with options like 'My Courses', 'Manage Course', 'Course Home', 'Syllabus', 'Assignments' (highlighted), 'Scores', 'Course Tools', 'eText', 'Study Area', 'User Settings', 'Instructor Resources', and 'Instructor Tools'. The main area is titled 'Assignments' and shows a list of assignments on the left and a calendar on the right. The calendar is for August 2017, with the 1st of September highlighted in yellow. The assignment list includes 'HW 1' due 09/03/17, 'FA16 - HW #07', 'FA16 - HW #11', 'FA16 - practice problems 1', 'FA16 - practice problems 2', and 'HW #10'. The bottom of the interface shows the Pearson logo and copyright information.

**Register for  
MasteringEngineering:**

[http://www.pearsoncustom.com/  
il/ui\\_eng\\_mech\\_statics](http://www.pearsoncustom.com/il/ui_eng_mech_statics)

**ME due THURSDAYS**

**PL due TUESDAYS**

## PrairieLearn

An online system for problem-driven learning.

University of Illinois login

Google login


# Written Assignments – 8%



- Student will submit an **individual written report using compass**
- Goal:
  - **Practice the communication of engineering concepts in writing**
  - The reports will be graded based on approximately:
    - 40% presentation, neatness, correct use of symbols, quality of drawings and diagrams, and clarity of explanation
    - 60%: Correct interpretation of the problem and correct final answers.



Spring 2016-TAM 210- Introduction to Statics- Section AE1


- Welcome
- Announcements
- My Grades
- i>clicker Registration

## Welcome

 [Help for Students](#)

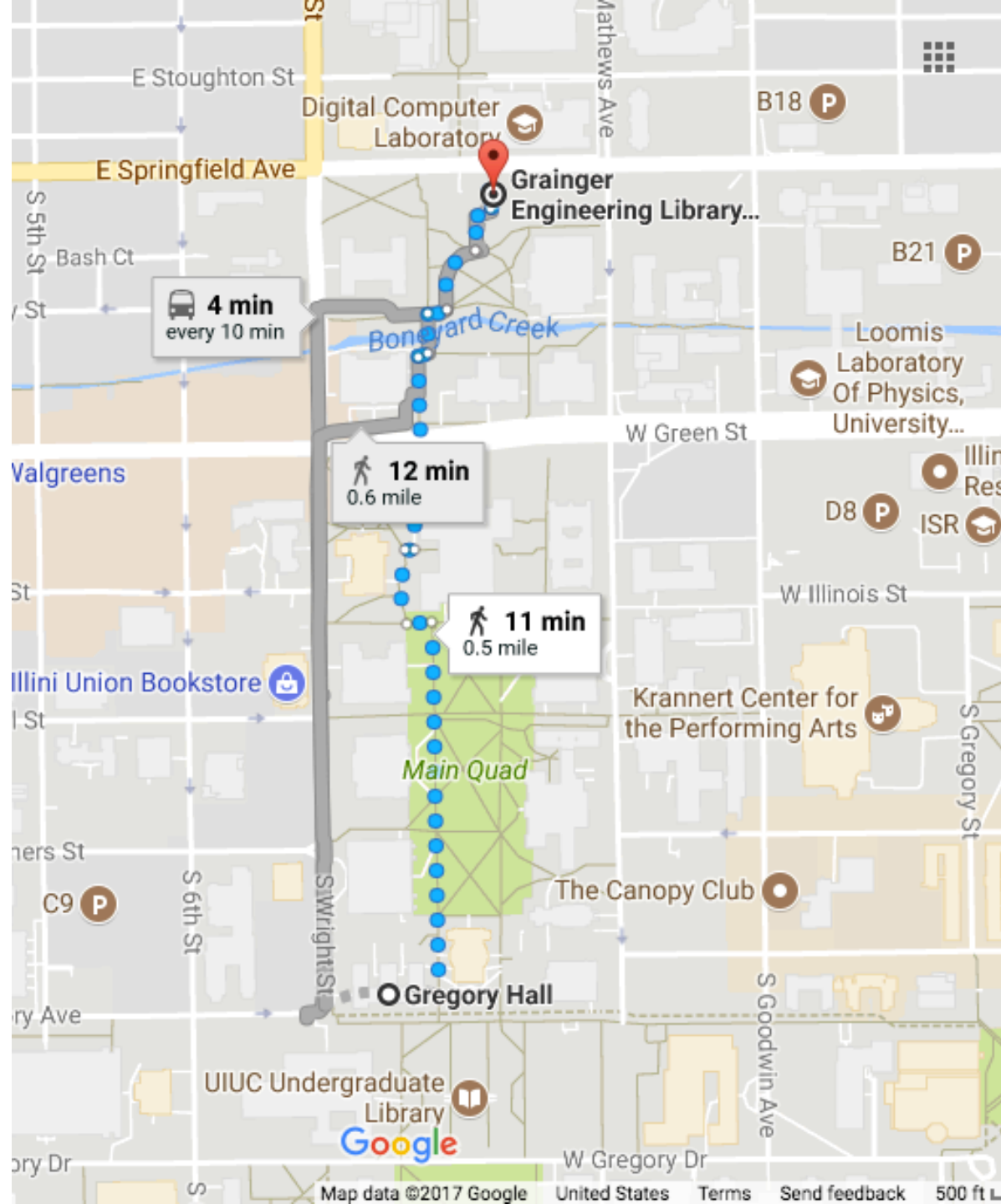
 **Written Assignment Instructions**  
Attached Files:  [WA-Instructions.pdf](#) (5.527 MB)

 **Written Assignment 1**  
Attached Files:  [WA1.pdf](#) (61.651 KB)

 © 1997-2016 Blackboard Inc. All Rights Reserved. U.S. Patent No. 7,493,396 and 7,558,853. Additional Patents Pending.  
[Accessibility information](#) - [Installation details](#)

# Quizzes - 40%

- Check schedule
- **No calculators!**
- Sign up for a quiz time online
- Quizzes will be available **Tuesday – Friday**
  - No conflict/make-up quizzes will be given
- Helps you assess your understanding of the material in real time



# Support for students:

- Piazza (everyday, reasonable working hours)
- Office hours (429 Grainger)

	<b>Sunday</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<b>4-5</b>	Konik	Kazem	Chenxi	Chenxi	Vineeth	Xian
<b>5-6</b>	Konik	Kazem	Vineeth	Kazem	Vineeth	Xian
<b>6-7</b>	Konik		Siyuan	Robin	Siyuan	Xian
<b>7-8</b>	Konik		Siyuan	Mosi	Robin	
<b>8-9</b>			Mosi	Mosi	Robin	

- Matlab clinic
  - Wed Aug 30
  - Fri Sept 1
  - MEL 1001

time	Mon	Tues	Wed	Thurs	Fri
9					
10					
11					
12					
1					
2					
3					
4					

- Homework 0 – vector math (use Matlab/Mathematica/Octave)
  - Course website has a Matlab help document (see schedule page)



# Team Formation Activities

A team of researchers would like your help to learn more about CATME and what students think of it. By participating, you will help us improve future student experiences.

To receive the extra credit, you must complete all of the following:

- Course Pre-survey (via email 8/30 from Emily Hastings)
- Online Discussion Activity (on Compass, due 9/6)
- Mid-course Survey (via email 9/25 from Emily Hastings)
- CATME Peer Evaluation (via email 11/? from CATME)
- Course Post-survey (via email 11/? from Emily Hastings)
- Consent Form (in class and via email 11/? from Emily Hastings)

# How to make the most from lecture...

- Attend!
- Use technology - bring your tablets, laptops, etc.
- Russian technology - Bring paper and pencil/pen
- Participate
  - Ask questions
  - Be prepared to answer questions
  - I don't know is ok too!
- Prioritize
- Any questions?