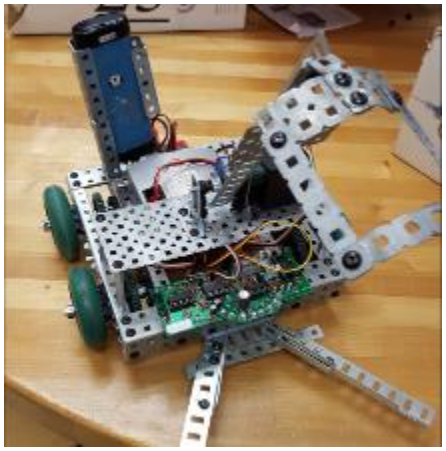
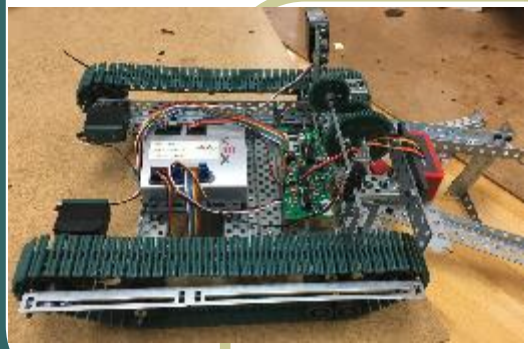



Welcome to ENGR10



Meet our faculty & TAs

Visit our web site

engineering.sjsu.edu/e10

Lecture Faculty

Jack Warecki
Professor of Record
Section 1 lecture at 12:00 pm

Ken Youssefi
Professor of Record
Section 2 lecture at 1:30 pm

Lab Faculty


Jack Warecki
(Lecture/Lab)


Ken Youssefi
(Lecture/Lab)


Ahmed Banafa
(Lab)


Steven Sepka
(Lab)


Smita Duorah
(Lab)


Javier Valencia
(Lab)


Farshid Marbouti
(Lab)


Spoorthy
Ananthaiah
(Lab)

Graders and Lab Assistants

HW Graders

Rohankumar Shah

Aditya Bhole

Lab Assistants

Denise Gip

Hanna Vu

Leon Gallardo

Ryan Nguyen

Brandon Scully

Adela Quintanar Gomez

Adding E10

Sign up on the waitlist in the class after the first lecture

Waitlist - E10 Spring 2020

Lecture

Section 1 (12:00) section 2 (1:30)

	Name (last, first)	Lect. Sect. (1 or 2) Select one or both	Lab. Section(s) list your preference in order	Transfer students? (Yes or No)	Undeclared ? (Yes or No)	Major and Year (Fr,Soph,Jr,Sr)	**Email, print clearly**
1	Example	1	4, 11, 6, ...	No	Yes	ME, Fr	Make sure your email is readable
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							

I will contact you by email if you are selected to enroll

Who Are We?

- Turn to your neighbor:
  - Introduce yourself
    - Name, major, anything else you might want to share
  - Tell your neighbor why you are studying engineering
  - What is one goal you have this semester

San Jose State University
College of Engineering Departments

- Mechanical Engineering (ME)
- Electrical Engineering (EE)
- Computer Engineering (CMPE)
- Civil & Environmental Engineering (CEE)

- Aviation and Technology (AVTech)
- Chemical & Material Engineering (CME)
- Biomedical Engineering (BME)
- Industrial & Systems Engineering (ISE)

- General Engineering
- Aerospace Engineering (AE)
- Software Engineering (SE)

Course Goals - Engineering

At the end of this course students will be able to:

- Understand the steps of the engineering design process
- Apply basic physics concepts to the design and analysis of built systems
- Apply teamwork skills and resolve team conflict
- Write a simple engineering report and present the report orally
- Use tools such as spreadsheets, C++ programming, and CAD software to support engineering design and analysis
- Use ethical reasoning to address and evaluate ethical dilemmas
- Explain principles of sustainability and how they affect engineering design
- Recognize the value of participation in professional activities

Course Goals – GE Area E

At the end of this course students will be able to identify the:

- **Physiological**
- **Social/Cultural and**
- **Psychological**

factors and their interrelation on human development and recognize how:

- **Those factors and their interrelation influence a student's well-being**
- **A student's well-being is affected by the university's academic and social systems**
- **To use appropriate social skills to enhance learning and develop positive interpersonal relationships**

E10- Textbook (hard copy or eBook)

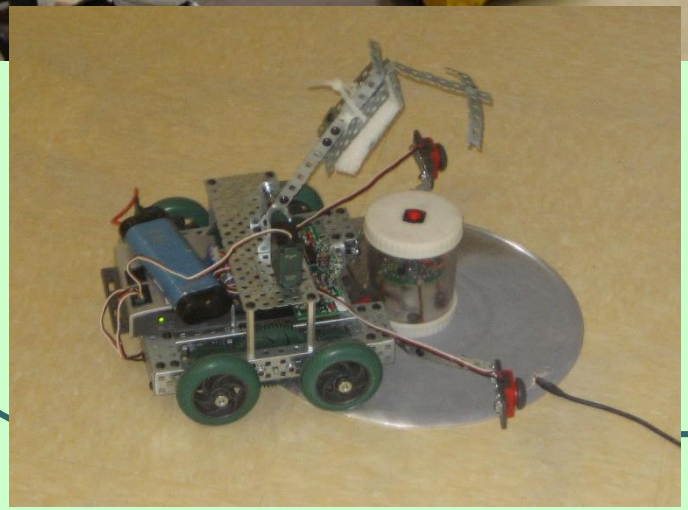
Custom textbook, soft cover

ISBN# 978-1-307-00917-0

eBook

http://create.mheducation.com/shop

Project-Based Learning



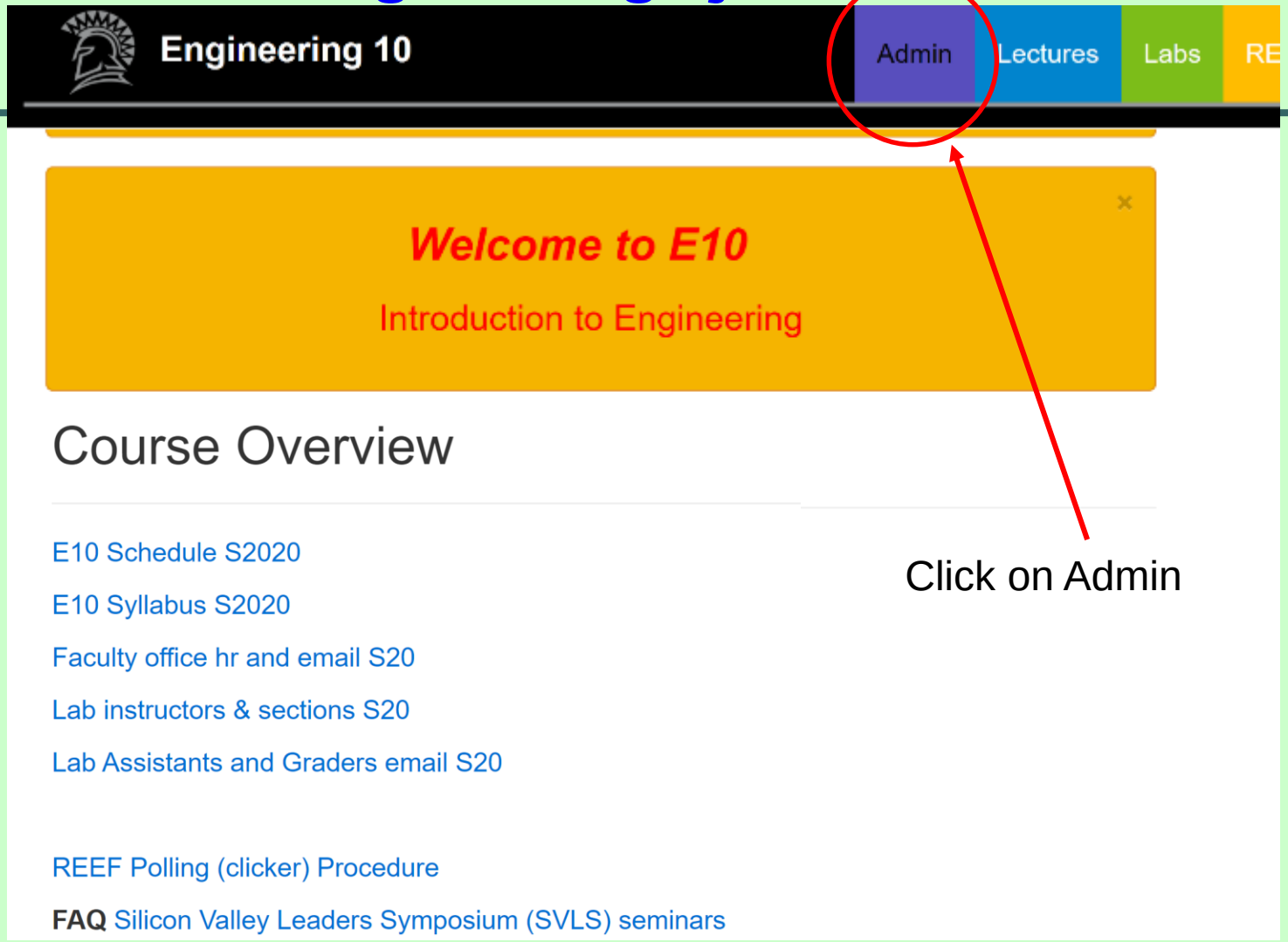
Lab Projects

- ***Excel lab: one week***
- ***Solar Energy Experiment: One week***
- ***CAD lab: one week***
- ***Wind Turbine Project: Five weeks***
- **Robot Project: Seven weeks**

Let's Explore the Class Web Site & Canvas

Visit the E10 web page & Canvas frequently
engineering.sjsu.edu/E10

Visit the E10 web page & Canvas frequently
engineering.sjsu.edu/E10



Class Schedule

E10_SCHED_S2020		Lecture	Labs			
		KY - Ken Youssefi	AB - Ahmed Banafa	JH - Jane Huynh	SS - Steven Sepka	GF - Glenn Friedman
		JW - Jack Warecki	SA - Spoorthy Ananthaiah	AH - Ahmed Hambaba	SR - Saied Rafati	VB - Vasuda Bhatia
			SD - Smita Duorah	FM - Farshid Marbouti	JV - Javier Valencia	KY - Ken Youssefi

Wk	Date	Time	Monday	Tuesday	Wednesday	Thursday	Friday
1	20-Jan	12:00-12:50				NO LABs	NO LABs
		9:00-11:45					
		12:00-14:45				First Day of instruction	
		13:30-14:20					
		15:00-17:45					
		18:00-20:45					
2	27-Jan	12:00-12:50	Course Introduction JW		Energy & Power JW		
		9:00-11:45		Lab 1 (Excel) SR	Lab 1 (Excel) JH/SD	Lab 1 (Excel) SD	Lab 1 (Excel) SS
		12:00-14:45	Introduction to Polling	Lab 1 (Excel) SD		Lab 1 (Excel) SA	Lab 1 (Excel) KY 12:30-15:15
		13:30-14:20	Course Introduction KY		Energy & Power JW		
		15:00-17:45		Lab 1 (Excel) VB	Lab 1 (Excel) AB/SR	Lab 1 (Excel) GF	
		18:00-20:45		Lab 1 (Excel) SS	Lab 1 (Excel) JV	Lab 1 (Excel) JV	
3	3-Feb	12:00-12:50	Power Sources and Power Measurement KY	Polling practice	Solar Cell Technology KY	Polling practice	
		9:00-11:45		Lab 2 (Solar Proj) SR	Lab 2 (Solar Proj) JH/SD	Lab 2 (Solar Proj) SD	Lab 2 (Solar Proj) SS
		12:00-2:45		Lab 2 (Solar Proj) SD		Lab 2 (Solar Proj) SA	Lab 2 (Solar Proj) KY 12:30-15:15
		13:30-14:20	Power Sources and Power Measurement KY	Polling practice, Last day to drop	Solar Cell Technology KY	Polling practice	
		15:00-17:45		Lab 2 (Solar Proj) VB	Lab 2 (Solar Proj) AB/SR	Lab 2 (Solar Proj) GF	
		18:00-20:45		Lab 2 (Solar Proj) SS	Lab 1 (Excel) JV	Lab 2 (Solar Proj) JV	
		12:00-12:50	Intro. To Solid Modeling	Feb. 11 last day to add	World Energy Challenge		

Lectures

Labs

Note different lecturers (JW – Jack Warecki, KY = Ken Youssefi)

Syllabus

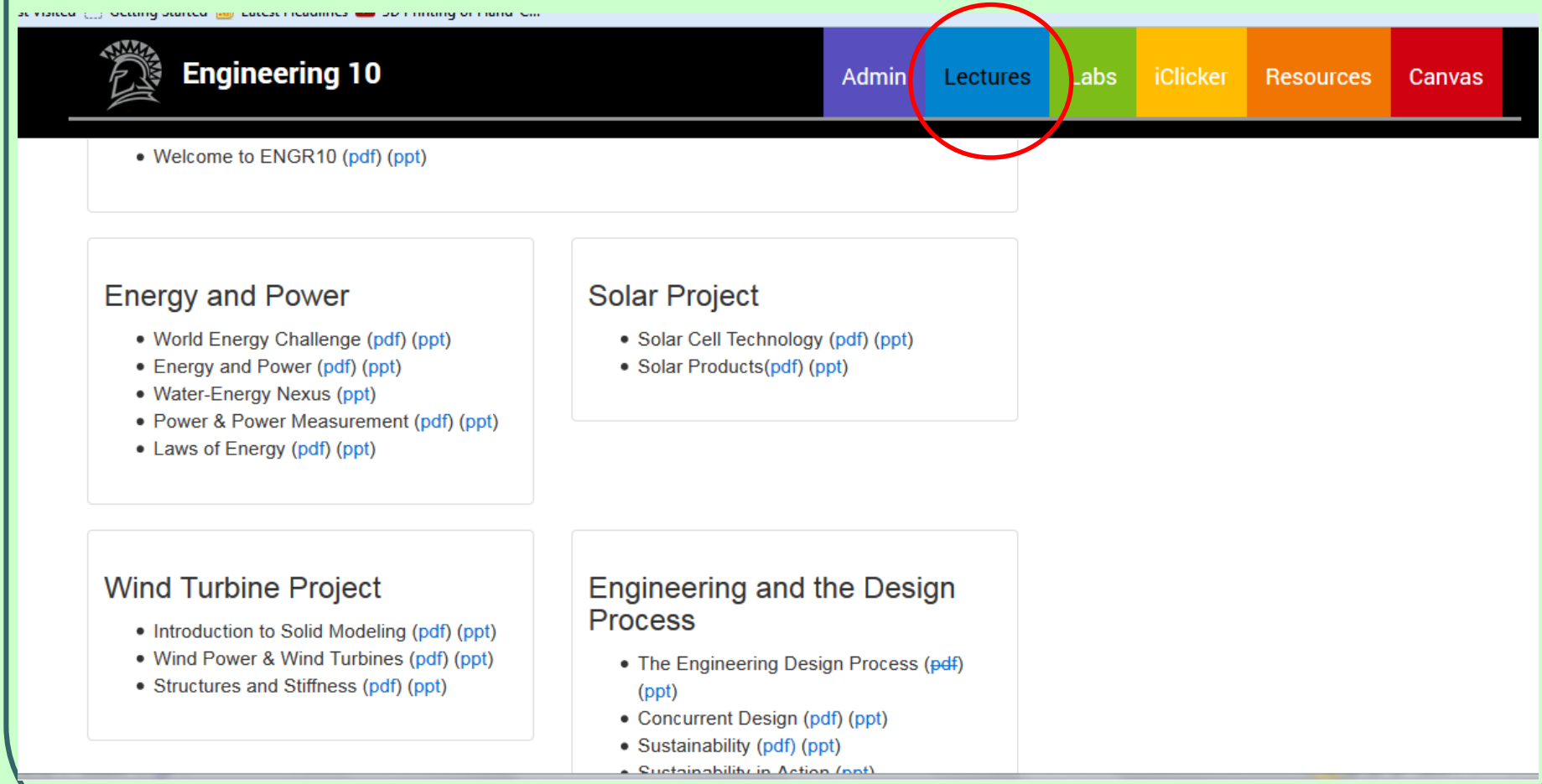
Lecture: 500 pts
Lab: 500 pts

Grading

Lecture:	**50%**
Lecture comprehension (Polling points & In-class activities)	10%
Online Quizzes (in lecture and lab)	7%
Homework	13%
Draft and final essay, and preparation assignments on developmental issues & challenges commonly faced by first year college students	10%
Final Exam	10%
Laboratory Project and Activities*:	**50%**
Lab Activity Reports and Personal Reflections	10.8%
Excel report/results	5%
Solar Lab report/results	2.5%
Intro CAD lab	1.2%
Turbine project	15%
Robotics project	15%
Designing across the lifespan (500 word essay)	0.5%

TOTAL: 100% = 1,000 (excluding the extra credit points)

Visit the E10 web page & Canvas frequently
engineering.sjsu.edu/E10



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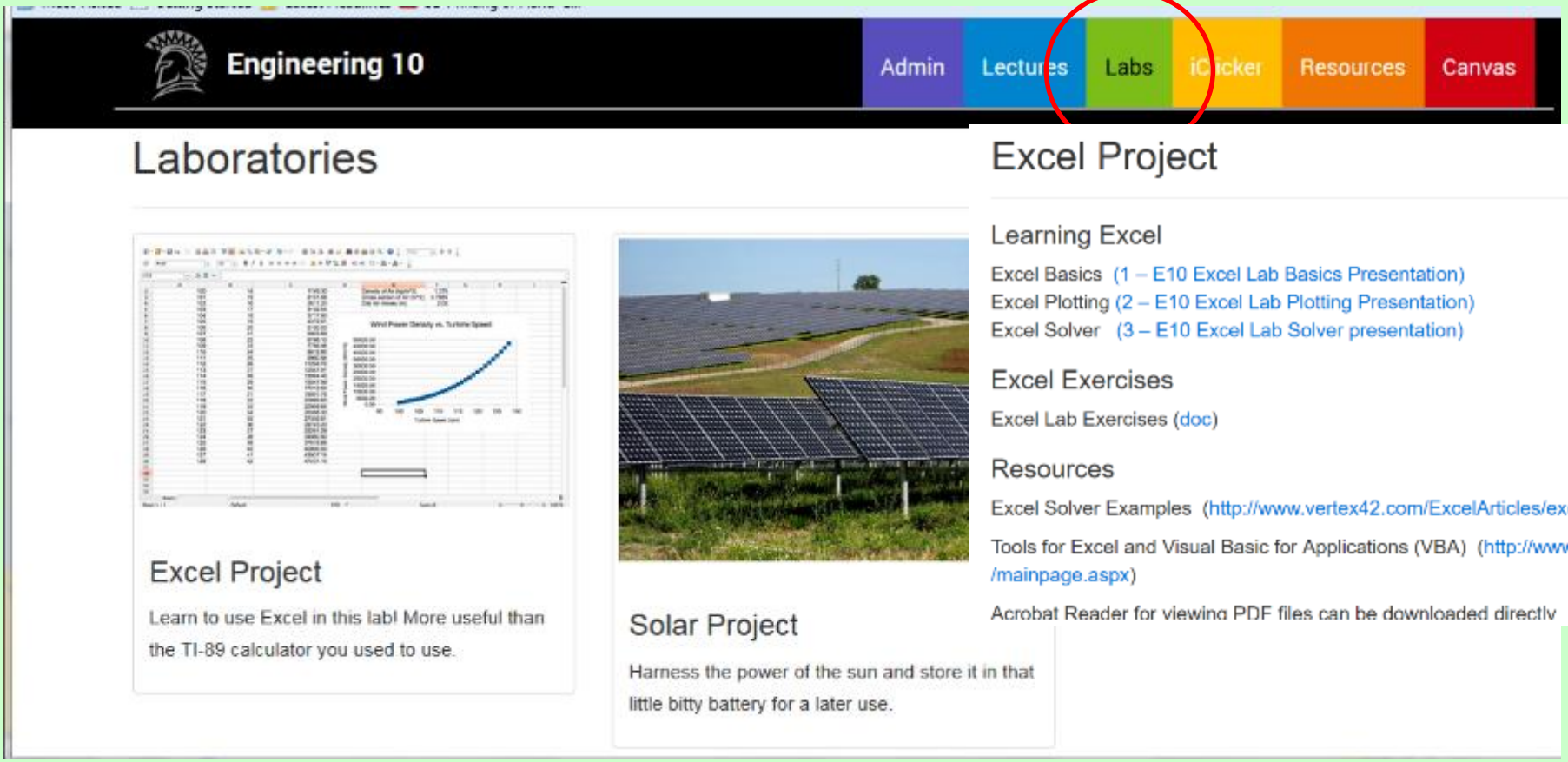


Visit the E10 web page & Canvas frequently
engineering.sjsu.edu/E10

REEF Polling (clicker) Procedure

iclicker.com

In this course, we will be using clicker technology to collect student responses to questions posted in class. Points will be awarded based on (participation/performance). Please DO NOT purchase any clicker technologies.

To obtain the App for Reef Polling,

visit www.iclicker.com and create an account. Follow the instructions by opening the pdf file below.

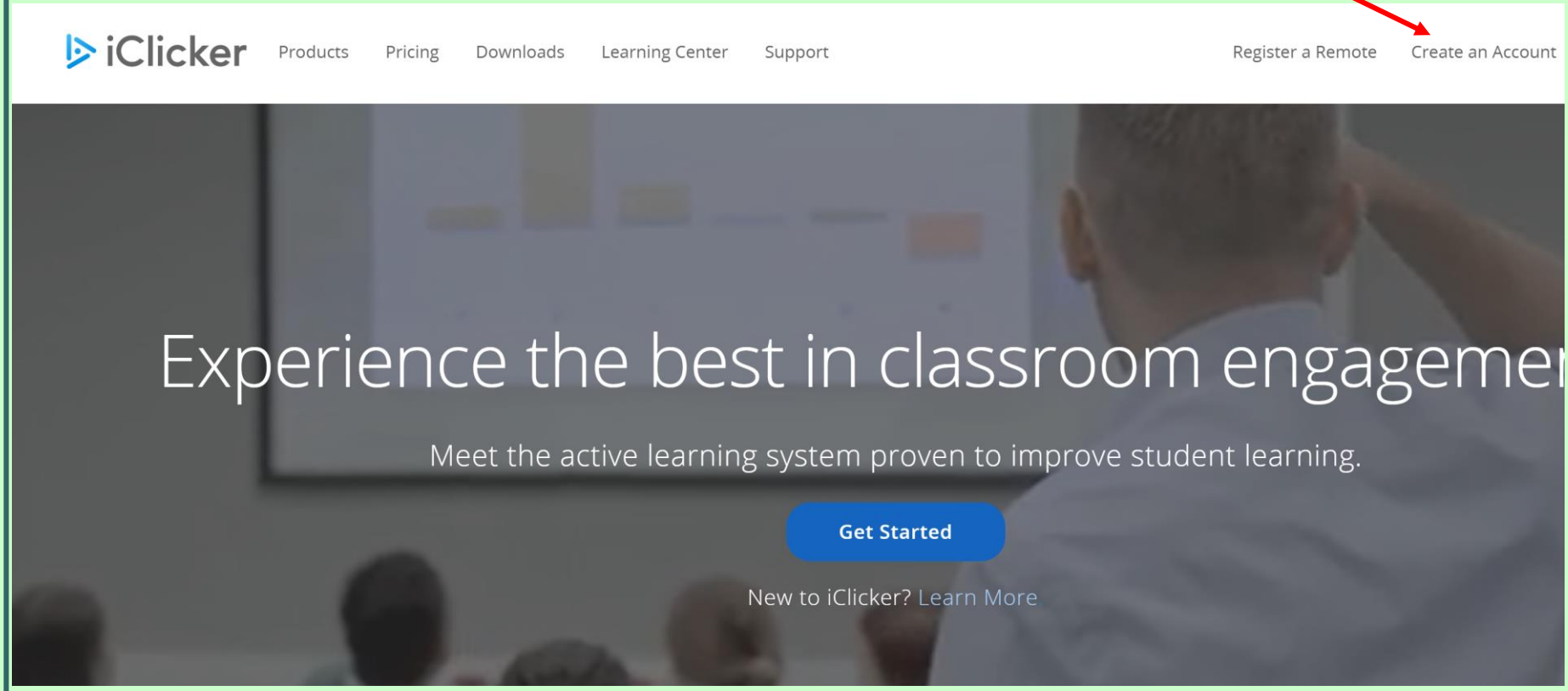
iClicker Account – Setup Guide – Student

Questions or issues about this technology should be sent to eCampus@sjsu.edu

iClicker Account Setup Guide

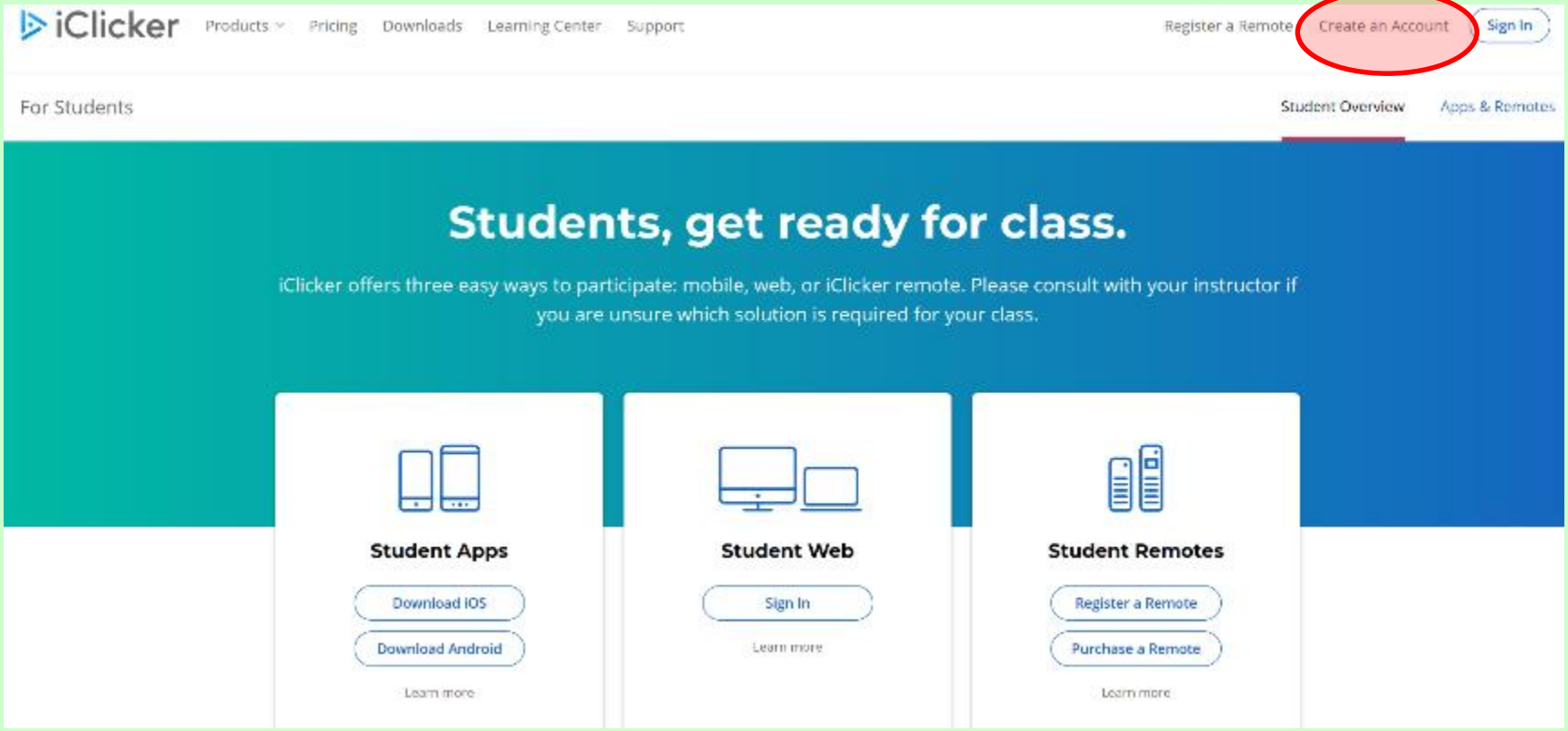
Go to: ***iClicker.com***

Click on: Create an Account

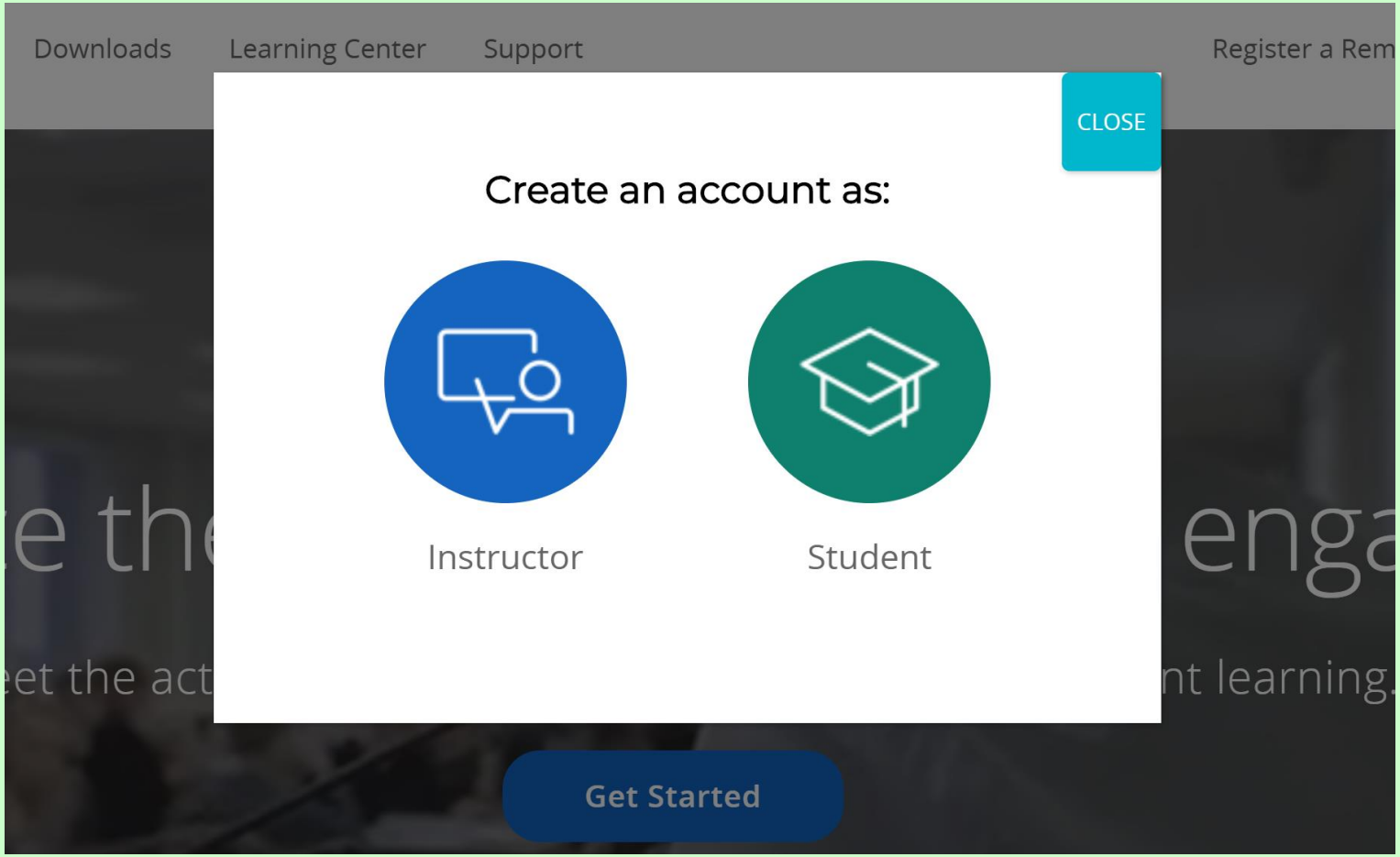


iclicker.com

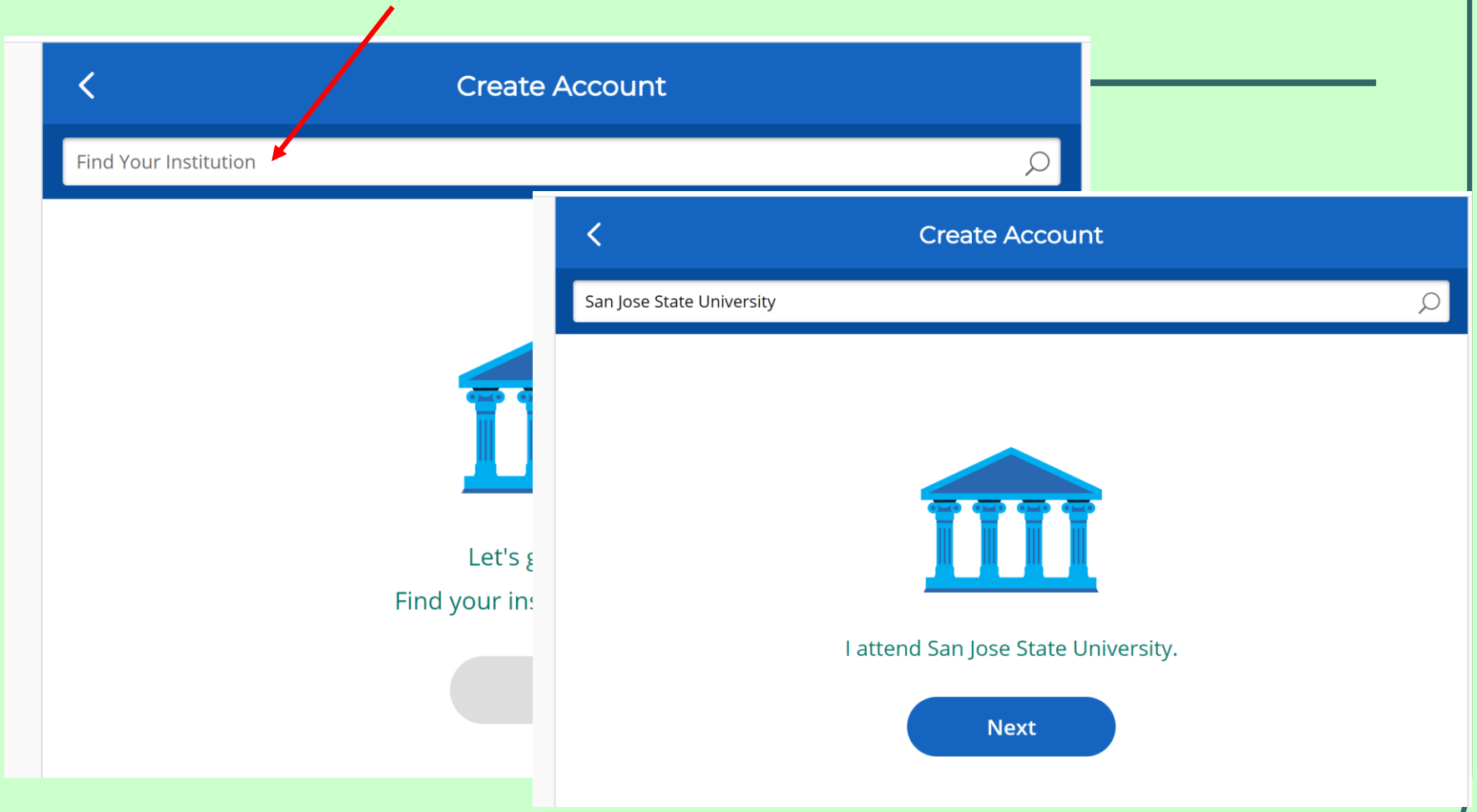
Or click on Get Started and select Create an Account

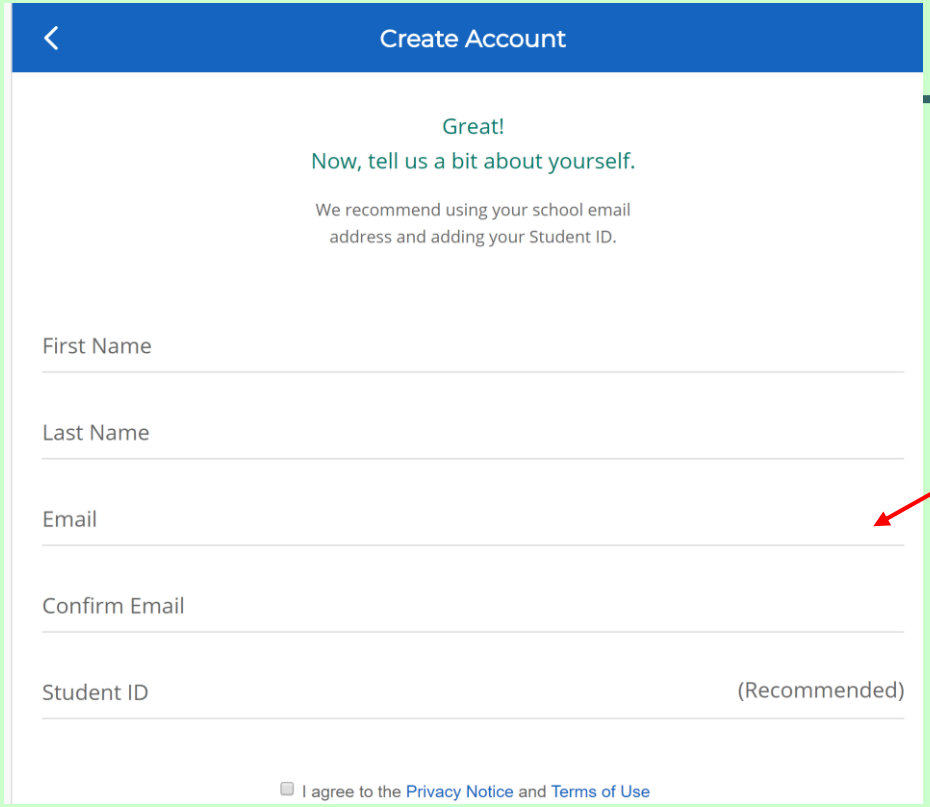


Select Student



Enter San Jose State University





Enter your personal information

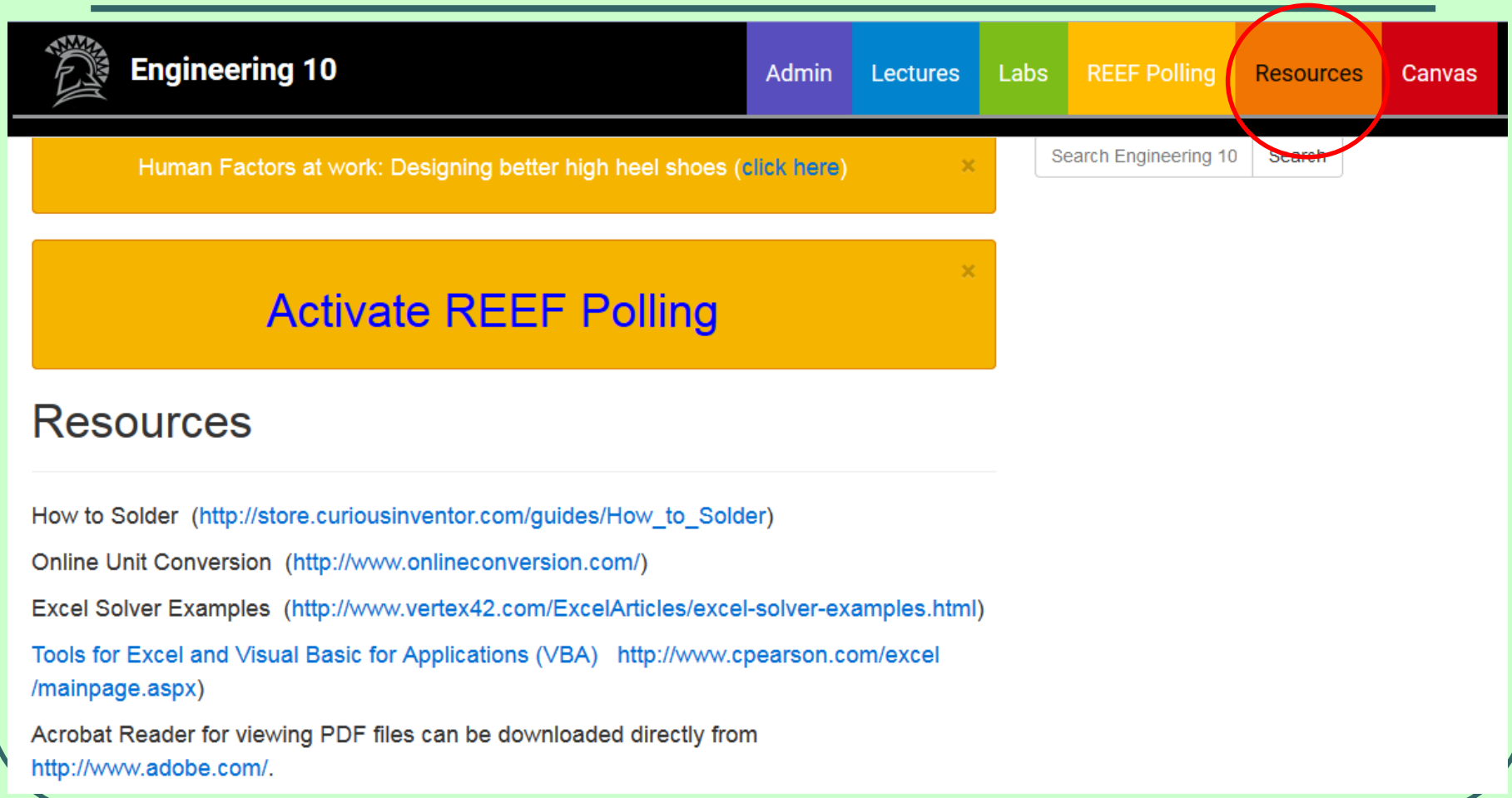
Make sure you enter the First and Last name that you used to register, no nickname. This is needed to match your name in Canvas

The course name: E10 S20

For questions or issues with iClicker and Canvas

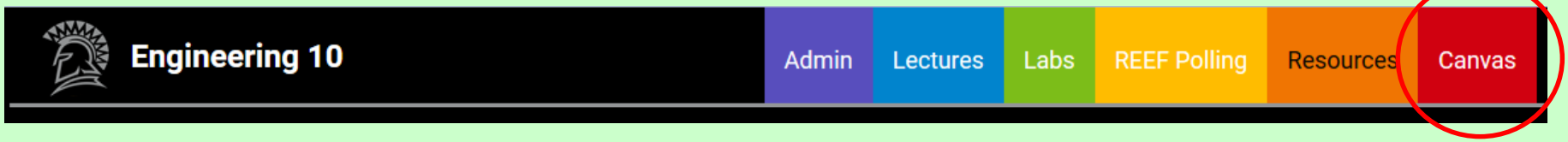
Email eCampus, **eCampus@sjsu.edu** or visit the office at IRC building (Instructional Resources Center) room 206

Visit the E10 web page & Canvas frequently
engineering.sjsu.edu/E10

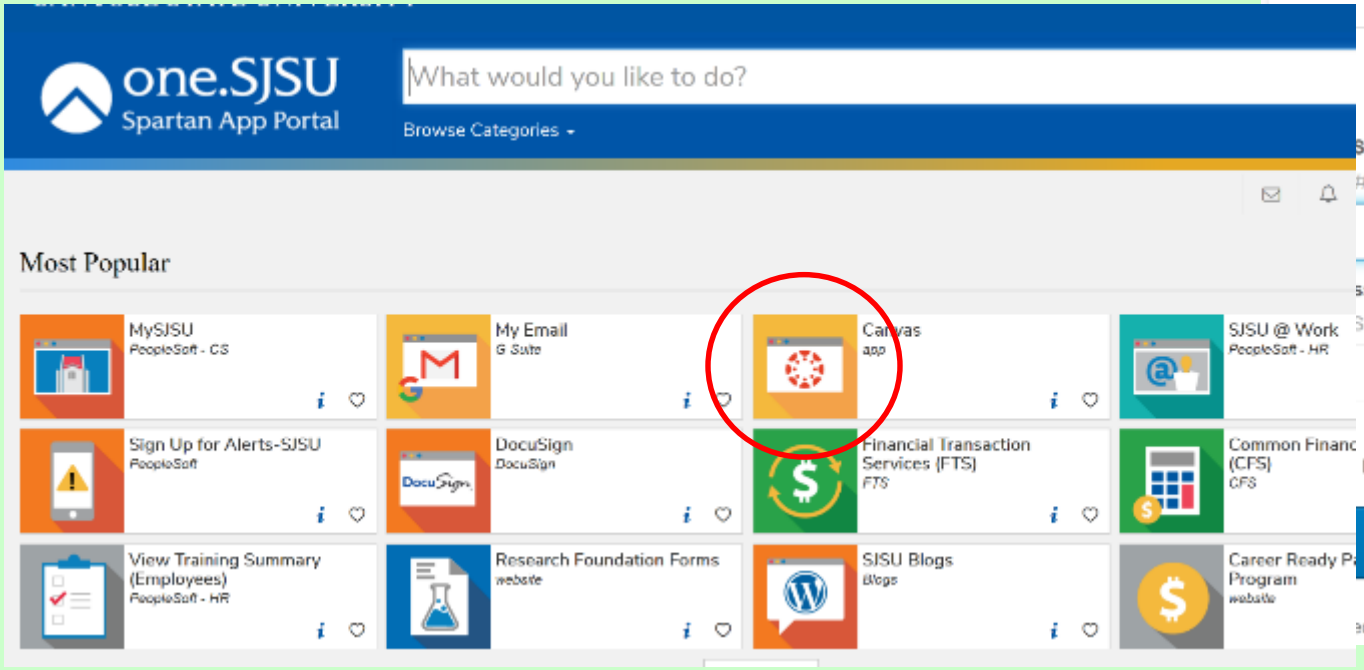


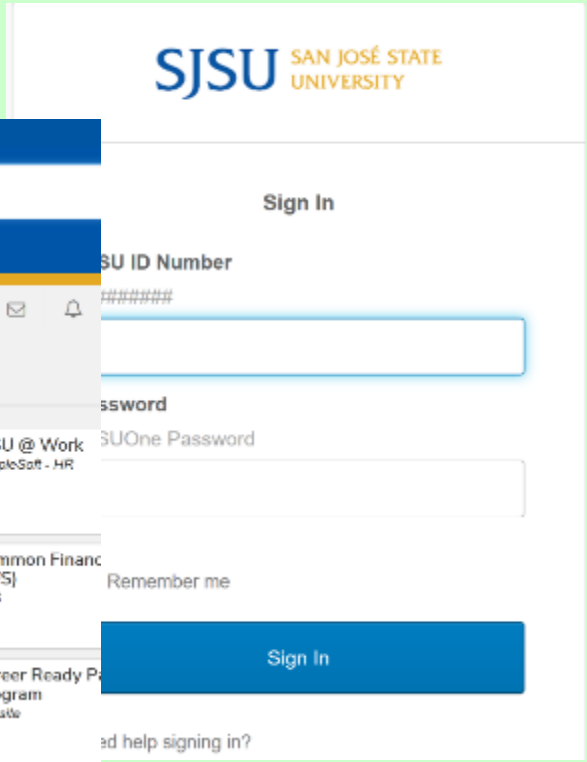
Canvas

Click on Canvas
Canvas and sign in



One.sjsu.edu





E10 Canvas site

Both lecture sections are included

E10 Canvas site

SJSU

SP20: ENGR-10 Sections 01 and 02 - Intro to Engr

Account
Dashboard
Courses
Calendar
Inbox
Commons
Studio
Help

Spring 2020

- Home
- Modules
- Assignments
- Announcements
- Discussions
- Grades
- People
- Chat
- LockDown Browser
- Zoom
- iClicker Sync
- SOTE/SOLATE
- Studio
- Syllabus
- Conferences

SP20: ENGR-10 Sections 01 and 02 - Intro to Engr

Edit

ENGR 10: Introduction to Engineering - Spring 2020

ENGR 10 introduces students to concepts of engineering design & fulfills GE Area E.

Course website: http://engineering.sjsu.edu/e10/

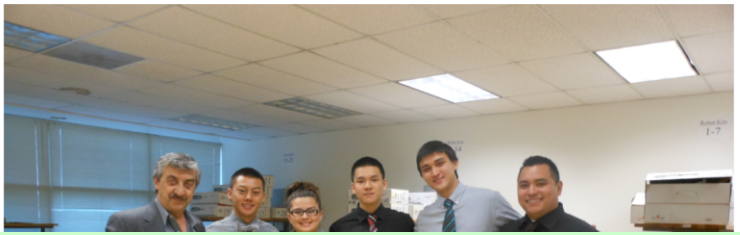
Lectures: Jack Warecki (section 1) and Ken Youssefi (section 2)

M & W, 12:00-12:50 pm (sect. 1) and 1:30-2:20 pm (sect. 2)

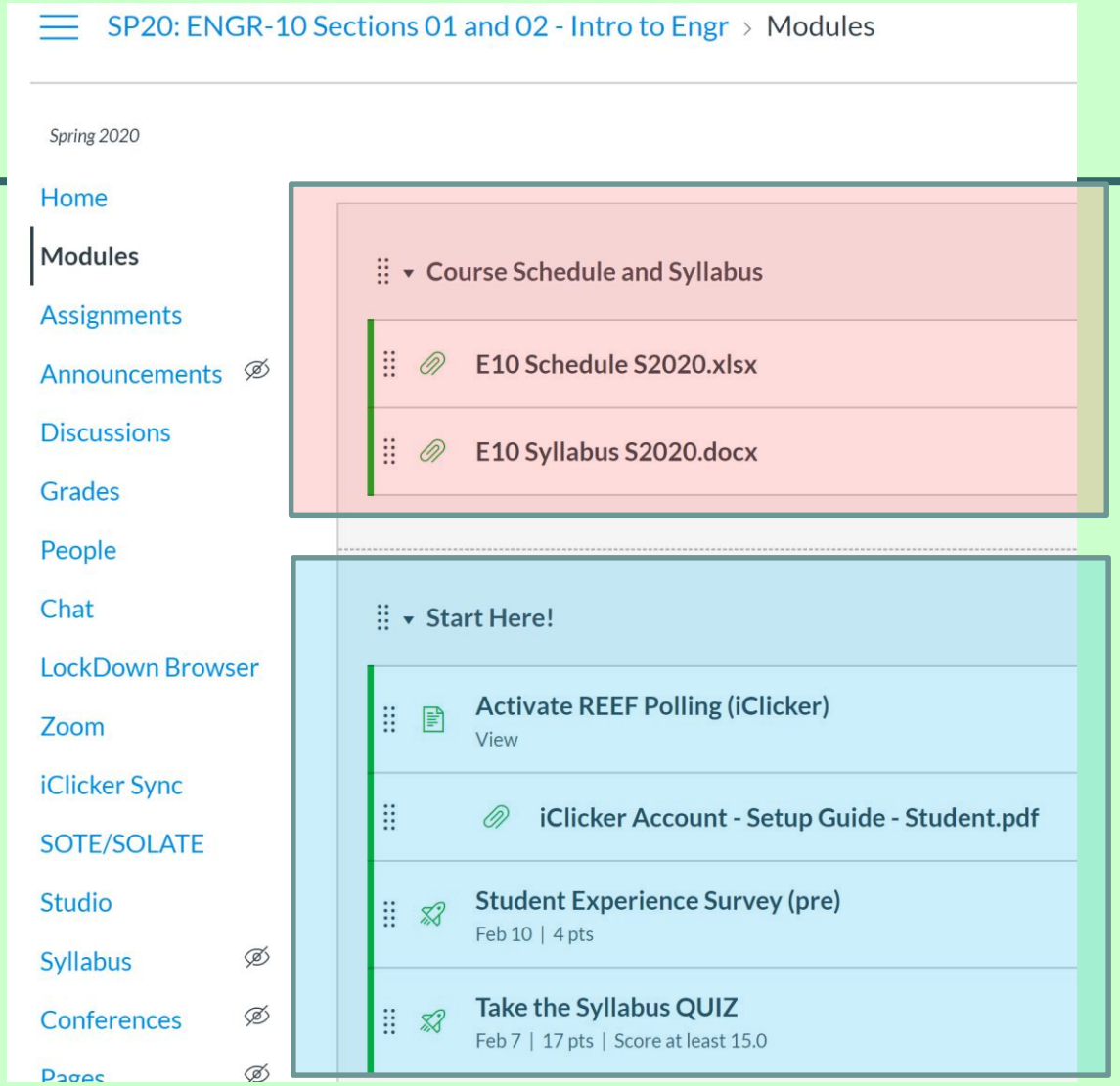
Contact Info for ENGR 10 instructors

Contact info for Graders - see the E10 website

Check out the ENGR 10 Wall of Fame (click here)

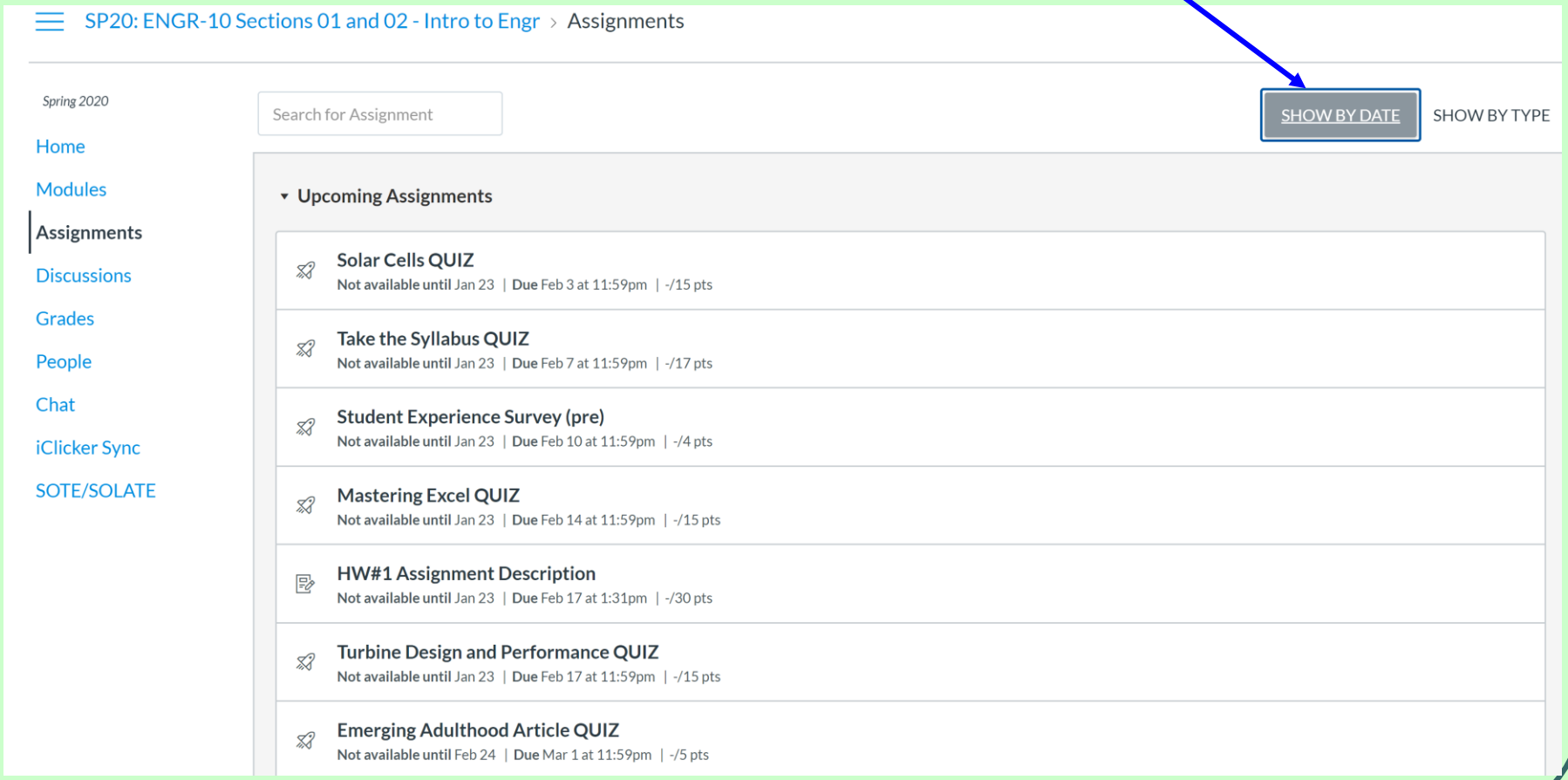


Modules section

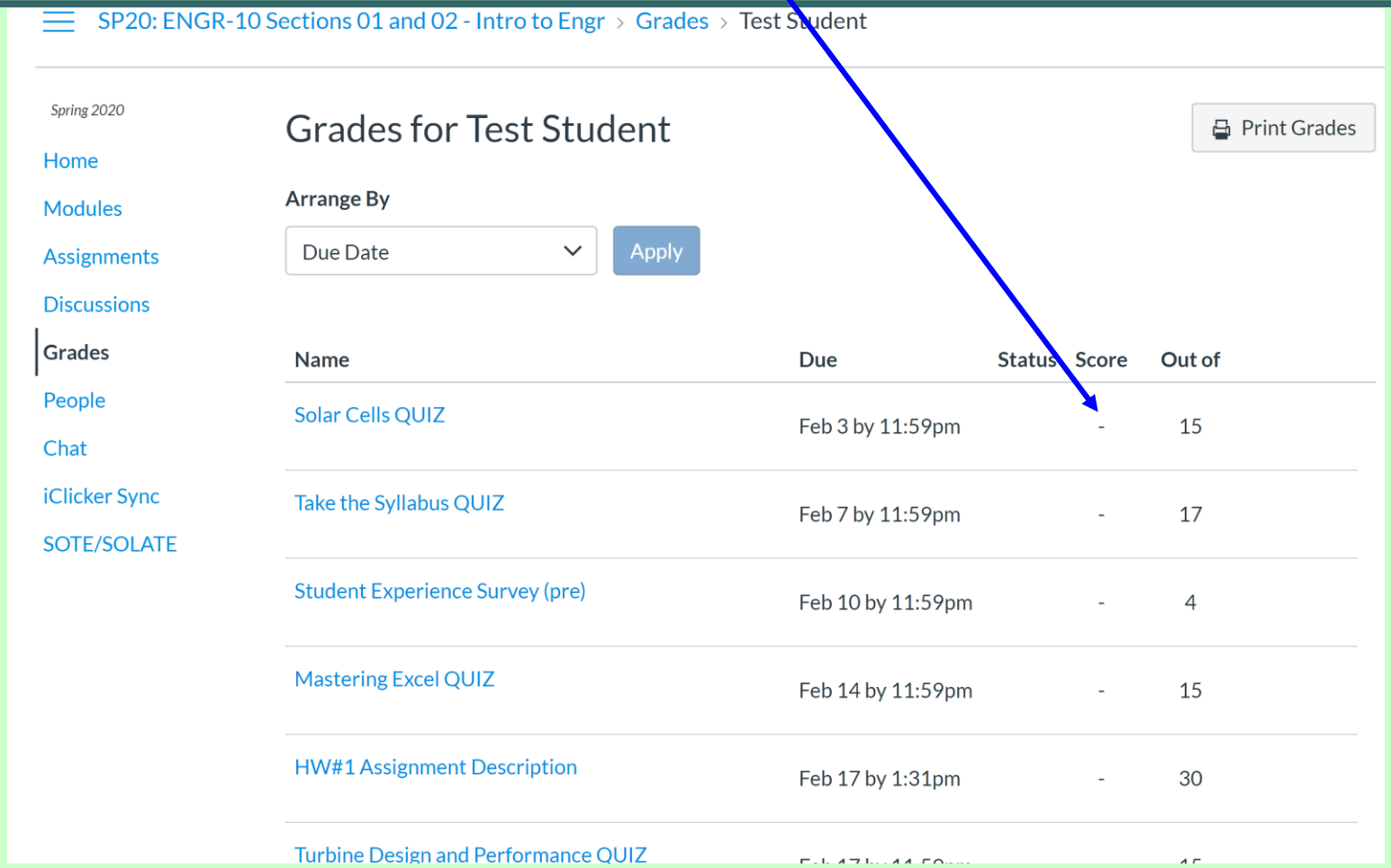


Assignments section

Select Show by Date to see the list of the ***assignments by due date***

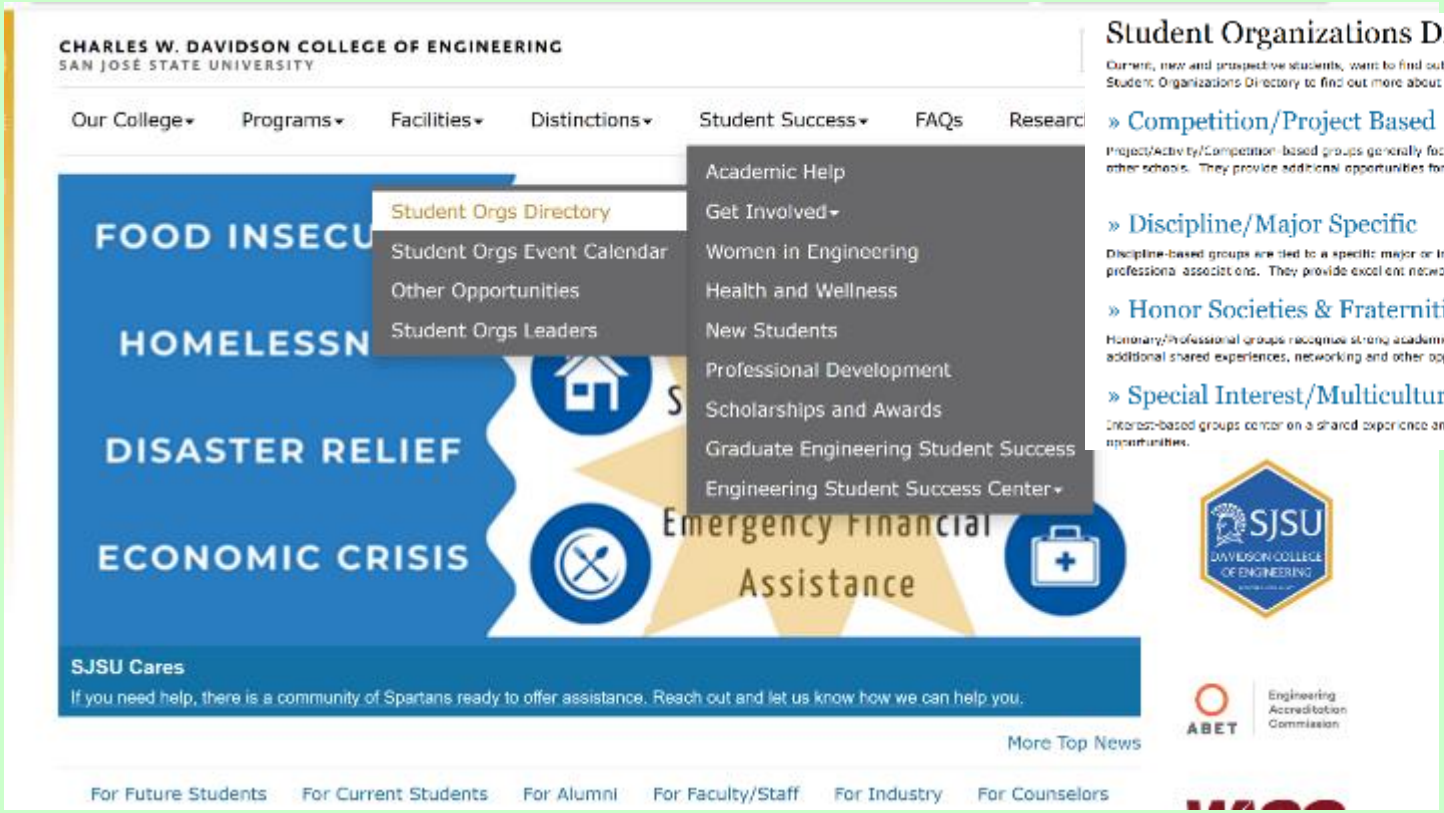


Check your score for assignments, click on the Grades tap and arrange by due date, dash line (–) means it has not been graded yet.



Join any Engineering Student Club for Extra Credit (20 points)

engineering.sjsu.edu/student-success/get-involved/student-orgs-directory



Silicon Valley Leaders Symposium (SVLS) – Extra Credit (5 pts/seminar)

engineering.sjsu.edu → Our College → Events → Silicon Valley Leaders Symposium

The symposium takes place every **Thursday from 12:00 pm to 1:00 pm** the Engineering building auditorium, **ENG 189**.

We’re going to have fun this semester!