Preparation

- Start iClicker
- Start panopto(shane Thomas will set up
- Access Canvas

Civil Engineering Design I Cee 3880, Spring 2016 Class hours 3:30-4:20 F in ENG 101 or as specified in course schedule

Richard Peralta, PhD, PE, F.ASCE

Professor, CEE, ENGR 228

Office 4357972786; Cell 4358814947

Email preferred <u>peralta.rc@gmail.com</u>

Email official: richard.peralta@usu.edu

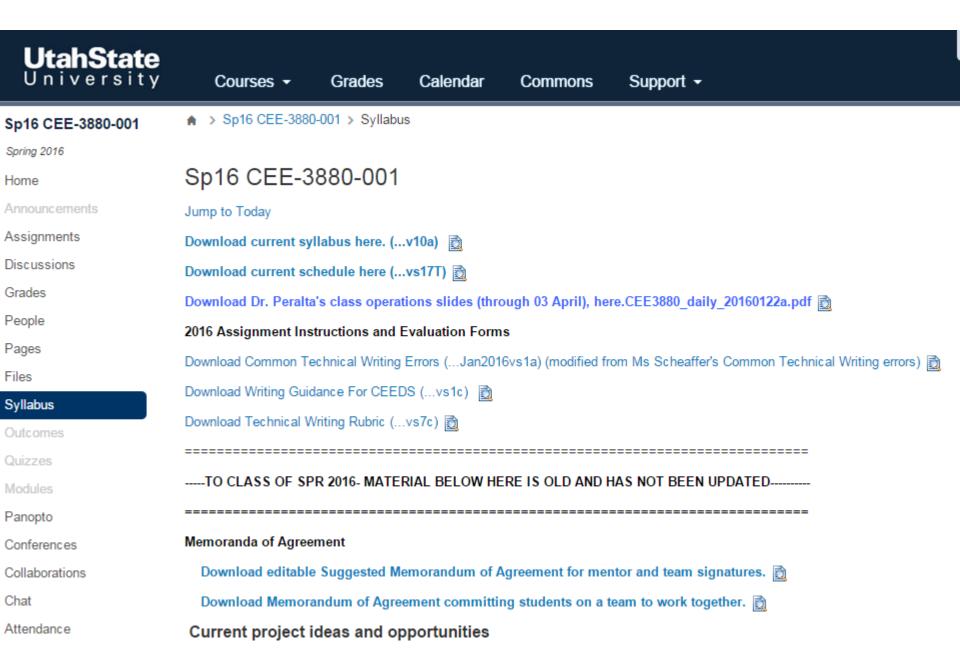
Office Hours 2:30-3:30 T-F in ENGR 228

Graders: Lindsey Kim and Mallory Manly

Transformations

- What are your personal hopes for your life?
- What are your family's hopes for you in life?
- What caused your interest in engineering?
- Why do you want to be a civil or environmental engineer?
- Generally, what have you learned to date that will help you as an engineer?
- What has helped you to develop your favorable personal characteristics?
- What concerns do you have about being an engineer?
- CEEDS will help your transformation into a licensed Professional Engineer

fin



- 3880syllabus2016_v11a.pdf
- CEE38804880_2016_ScheduleBoth20160122e-See3880only.pdf

CEE3880



CEE4880



- TechWritingRubricV7b.pdf
- MostCommonlyMissedGrammarRulesJan2016 vs1a.pdf
- WritingGuidanceForCEEDS_2015_Vs1c.pdf

6

Fin

/

- Cee3880ProposalFormatInstructionsVs10_2016.docx
- cee3880ProposalFormatInstructionsVs10_2016.pdf

Iclicker

Previous CEEDS projects

20160129 iclicker Questions

Question 1. How enthusiastic am I about working on a project with a team?

A= very enthusiastic to E not enthusiastic

Question 2. How confident am I that I will do my fair share of a team project?

A= very confident to E not confident

1						
CEE488	80 Previous Project Informatio	'n				
CEE 4880 year	CEE4880 report title	No. of Team	Members Faculty Adviser	External PE Mentor	EPEM org. & address	Client Person Name
	Triple Tyed Engineering-rebuilding pump lift station	5	Dr. Gilberto Urroz, Dr. Joeseph Caliendo	Paul Lindhardt P.E.	City of Logan	City of Logan Public Works Department
	JACKNJAKS Engineering-Steel Bridge	7	Dr. William Rahmeyer, Dr Marv W. Halling	P.E. Bruce Brotherson		ASCE steel bridge competition
2011	Metropolitan Innovations-Skunk Hollow Landslide Remediation	5	Drs James A.Bay, Gilberto E.Urroz,	John D Rice, PE	CEE dept.	UDOT
2011	Wild Florida Engineers-Observation Tower and Suspension Foot Bridge		Dr. Joeseph Caliendo, Dr. Paul Barr	P.E. Christopher J. Clarke		Wild Florida attraction in Orlando, Florida
2011	Solutions Engineering Consultants- Pedestrian Risk on 700 N, USU Campus	6	Dr. Paul Barr	Lisa Thompson	Cache National Forest	Cache National Forest

CEE 4880 year	CEE4880 report title	No. of Team Members	Faculty Adviser	External PE Mentor	EPEM org. & address	Client Person Name
2011	Intermountain Design Consultants-Water Storage Facility in West Logan-Promenade Water Tower		Dr. Marvin Halling, Dr. Joeseph Caliendo		Logan City	
2011	Zephyr Concrete Canoe	4	Dr. Gilberto Urroz, Dr. Paul Barr			ASCE Canoe Competition
	Hydro Blue-Hydroelectric Power	7	Dr. Blake Tullis	Lance Houser P.E.	Logan City	Logan City
2012	BBNDOT- 200E 1800 N Road Renovation	3	Drs. Kevin Heaslip and Joseph Caliendo	Jace Mecham P.E.	UDOT	UDOT
2012	Steel Bridge		Drs. Paul Barr and Marv Halling	Dr. Willam Rahmeyer	USU	ASCE Steel Bridge Comp.

Preparedness Site 2014 The Crop Dusters- Rattlesnake Ranch Ranch 2014 RRAMcrete- New curing process for concrete 2014 Net Force Engineering-Paradise 2014 The Crop Dusters- Rattlesnake Ranch 3 Dr. Gilberto Urroz Ray Howard P.E. Ray Howard P.E. Engineer, NRCS Nagel, Landowne Bill Young P.E., Draney Cameron E.I.T. Brian Michaels (C2HM Hill) Trevor Datwyler Civil Charles Redd, Red Irrigation; Blake Nagel, Landowne ASCE Rocky Mountain Confern E.I.T. Brian Michaels (C2HM Hill) Client wants to							
Pedestrian Bridge Dr. Joeseph Caliendo Dr. Paul Barr Dr. Paul Barr Dr. Gilberto Urroz Dr. Bill Young P.E., View Dog Park and Emergency Preparedness Site Dr. Gilberto Urroz Dr. Gilberto Urroz Bill Young P.E., Draney Cameron E.I.T. Dr. Gilberto Urroz Ray Howard P.E. Civil Engineer, NRCS Dr. Gilberto Urroz Ray Howard P.E. Dr. Paul Barr Dr. Dr. Paul Barr Dr. Paul Barr Dr.	2012	Park Golf Course Irrigation	6		Nathan Smith P.E.		
Bridge 2014 Oliver and Company- Valley View Dog Park and Emergency Preparedness Site 2014 The Crop Dusters- Rattlesnake Ranch 2014 RRAMcrete- New curing process for concrete 2014 Net Force Engineering-Paradise Flume 2014 Total Tank Down- Logan City 2014 Total Tank Down- Logan City 2015 Dr. Gilberto Urroz Bill Young P.E., Draney Cameron E.I.T. 2016 Bill Young P.E., Draney Cameron E.I.T. Brian Michaels (C2HM Hill) 2017 Trevor Datwyler 2018 Dr. Gilberto Urroz Ray Howard P.E. 2019 Bill Young P.E., Draney Cameron E.I.T. Brian Michaels (C2HM Hill) 2019 Trevor Datwyler 2010 Charles Redd, Red Engineer, Irrigation; Blake Nagel, Landowne Logan City 2010 ASCE Rocky Mountain Confern Caliendo, Dr. Joeseph Trevor Datwyler 2011 Total Tank Down- Logan City 2012 Total Tank Down- Logan City 2013 Dr. Paul Barr Paul Lindhardt P.E. 2014 Dr. Paul Barr Paul Lindhardt P.E. 2015 Dr. Paul Barr Paul Lindhardt P.E.	2013		5	Dr. Joeseph	Sam Powell P.E.	Engineers	UDOT
View Dog Park and Emergency Preparedness Site 2014 The Crop Dusters- Rattlesnake Ranch 2014 RRAMcrete- New curing process for concrete 2014 Net Force Engineering-Paradise Flume 2014 Total Tank Down- Logan City 2014 Total Tank Down- Logan City 2014 The Crop Dusters- Rattlesnake Ranch 3 Dr. Gilberto Urroz 8 Ray Howard P.E. Bill Young P.E., Draney Cameron E.I.T. Brian Michaels (C2HM Hill) 7 Trevor Datwyler 8 Civil Engineer, NRCS Paul Barr Charles Redd, Red Irrigation; Blake Nagel, Landowne Process (C2HM Hill) 7 Trevor Datwyler 8 Client wants to irrigate field from river Paul Lindhardt P.E. 1 Dr. Paul Barr Paul Lindhardt P.E. 1 Dr. Paul Barr Paul Lindhardt P.E. 1 Dr. Paul Barr Paul Lindhardt P.E.	2014		5	Dr. Paul Barr	Lance Houser P.E.	Logan City	Logan City
Ranch 2014 RRAMcrete- New curing process for concrete 2014 Net Force Engineering-Paradise Flume 2014 Total Tank Down- Logan City RRAMcrete- New curing process for concrete 4 Dr. Paul Barr Dr. Paul Barr Bill Young P.E., Draney Cameron E.I.T. Brian Michaels (C2HM Hill) Trevor Datwyler Caliendo, Dr. Joesph Nielsen Paul Lindhardt P.E. Engineer, NRCS Nagel, Landowne Logan City ASCE Rocky Mountain Confern Flume Client wants to irrigate field from river Paul Lindhardt P.E. Logan City	2014	View Dog Park and Emergency	5	Dr. Gilberto Urroz	Draney Cameron	Logan City	Dr. Jay Black, Cache Humane Society
process for concrete Draney Cameron E.I.T. Brian Michaels (C2HM Hill) Net Force Engineering-Paradise Flume Trevor Datwyler Caliendo, Dr. Joesph Nielsen Total Tank Down- Logan City Draney Cameron E.I.T. Brian Michaels (C2HM Hill) Trevor Datwyler Caliendo, Dr. Joesph Nielsen Paul Lindhardt P.E. Logan City	2014	·	3	Dr. Gilberto Urroz	Ray Howard P.E.	Engineer,	Charles Redd, Redd Irrigation; Blake Nagel, Landowner
Flume Caliendo, Dr. irrigate field from Joesph Nielsen river 2014 Total Tank Down- Logan City 5 Dr. Paul Barr Paul Lindhardt P.E. Logan City	2014		4	Dr. Paul Barr	Draney Cameron E.I.T. Brian Michaels	•	ASCE Rocky Mountain Confernce
	2014	•	5	Caliendo, Dr.	Trevor Datwyler		irrigate field from
	2014	•	5	Dr. Paul Barr	Paul Lindhardt P.E.		Logan City

2014	Two Girls and Some Dudes- Aggie Gardens	6	Dr. Marvin Halling	Quin Whitaker, P.E.	USU Student Housing
2014	Los Vaqueros - La Salitrea Water Tank Design		Dr. Ryan Dupont		Engineers Without Borders (EWB) Team
2014	Utah State University Concrete Canoe Team		Dr. Paul Barr	Steven Theruer P.E.	ASCE Concrete Canoe Comp.
2014	TFV Engineers- USU Parking Garage	3	Dr. Paul Barr	Quin Whitaker P.E.	USU
2014	RP Engineers- Off Grid Cabin	5	Blake Tullis	Douglas Beck P.E., Geotech. Eng.	Arnold Org.; near Boise County, ID
2013	Premeditated Girder-Camp Browning Bridge	6	Dr. Paul Barr	Robert Moyle	Boy Scouts
2013	E2E Incorporation-High Adventure Center	4	Dr. Marvin Halling	Dave Pierson, Justin Naser, Doc Moyle	
2013	Ridge Engineering-Crockett Avenue Road Realignment and Bridge Replacement	6	Dr. Gilberto Urroz	Lance Houser	

2013	J^2ENT Engineering- Lundstrom Park Detention Basin	4	Dr Blake Tullis	Lance Houser	Logan City
2013	USU Concrete Canoe Team	5	Dr Paul Barr	Josh Jensen	ASCE Concrete Canoe Comp.
2013	Logan's Heroes-Mantua Pipeline	5	Dr. Gilberto Urroz	William Atkin	Mantua Irrigation Board
2013	Steel Bridge	3	Dr. Paul Barr	Doc Moyle	ASCE Rocky Mountain Comp.
2013	Elite Engineering-Third Dam	5	Dr Micheal Johnson	Lance Houser	Logan City
2013	Campus Compost Engineering IncUSU Compost Initiative	5	Dr Ryan Dupont	Don Summit	USU Dining Services

1				1 '		· ·	
	Bridge (Cache Valley)				Barr	P.E.	
2014	Valley View Dog Park	Dr. Jay Black,	Oliverand	5	Dr.	Bill Young P.E.,	Logan Cit
	and Emergency	Cache Humane	Company-		Gilberto	Draney	
	Preparedness Facility	Society			Urroz	Cameron E.I.T.	
	(Cache Valley)						
2014	Rattlesnake Ranch	Charles Redd,	The Crop	3	Dr.	Ray Howard	Civil
	water rights and	Redd Irrigation;	Dusters-		Gilberto	P.E.	Engineer
	irrigation system	Blake Nagel,			Urroz		NRCS
	design	Landowner		ļ'			
2014	New curing process	Logan City	RRAMcrete-	4	Dr. Paul	Bill Young P.E.,	Logan Cit
	for concrete				Barr	Draney	
2014	Flume relocation and	Farmer	Net Force	5	Dr.	Trevor	
	design (Paradise, UT)	1	Engineering-		Joeseph	Datwyler	
		1			Caliendo,		
					Dr.		
		1			Joesph		
					Nielsen		
2014	Water Tank	Logan City	Total Tank	5	Dr. Paul	Paul Lindhardt	
2014	Aggie Gardens -	USU Student	Two Girls and	6	Dr.	Quin	
	Married Student	Housing	Some Dudes-		Marvin	Whitaker, P.E.	
	Apartment building			'	Halling		
		-					15

Dream Team-

5

Dr. Paul

2014

Blacksmith Fork

Logan City

Lance Houser | Logan Cit

2014	La Salitrea Water Tank Design (Mexico)	Engineers Without Borders	Los Vaqueros -		Dr. Ryan Dupont	
2014	Concrete Canoe	ASCE Concrete Canoe Comp.	USU Concrete Canoe Team		Dr. Paul Barr	Steven Theruer P.E.
2014	USU Parking Garage	USU	TFV Engineers-	3	Dr. Paul	Quin Whitaker
2014	Off Grid Cabin (hydroelectric, solar power, Idaho)	Arnold Org.; near Boise County, ID	RP Engineers-	5	Blake Tullis	Douglas Beck P.E., Geotech. Eng.
2015	Stormwater System Extension	Smithfield City	A & J Engr.			
2015	Pedestrian Bridge over 1000W	Logan City	Children First			
2015	Main Street Bridge Replacement	Logan City	D.A.A.M.			
2015	Wildlife Crossing	Utah Dept of Transportation	Dimond Lio & Sons			
2015	Bridge for La Salitrera, México	Engineers Without Borders	El Loco			
						16

2015	Waste Minimization	Triumph Gear		
	Opportunity	Systems, Park	н&н	
	Assessment Plan	City	Engineering	
2015		Cache Valley		
		Water Manager		
	Temple Fork Dam	& Logan City	JCT^2	
2015	Birch Creek Pool	Birch Creek Club	Merfolk	
	Proposal		Solutions	
2015	Sanitary Sewer Lift	Logan City		
	Station		Rango Engr	
2015	Hydroelectric Power	Twin Falls Canal		
	Generation on canal	Company	Screw Power	
2015	Right Hand Fork	US Forest	Stream	
	Pedestrian Bridge	Service	Spanners	
2015	The Farm housing	Zollinger Family		
	development		SubdiVision	
2015	Logan City Center	Logan City	Water Under	

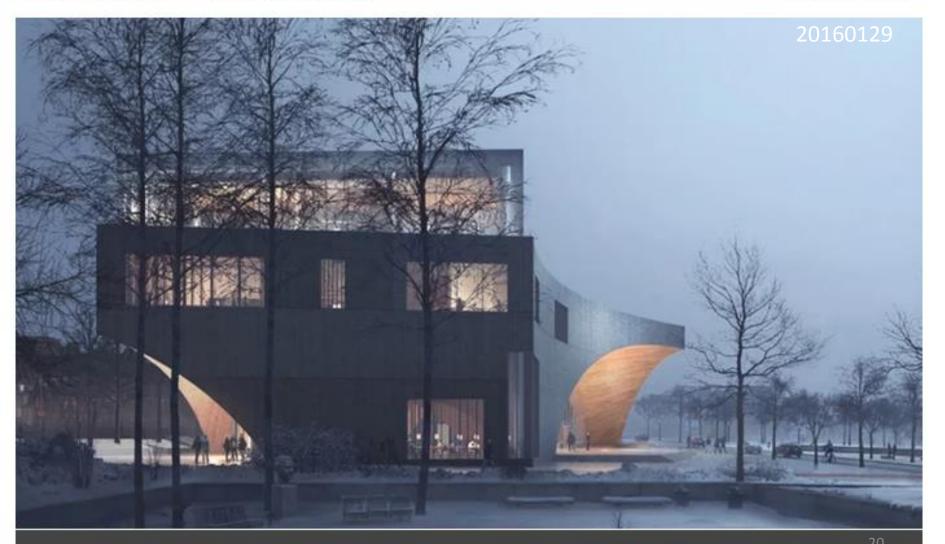
2015	Logan City Center	Logan City	Water Under		
	Street Replacement		the Bridge		
2015		USU & ASCE	USU Concrete		
	2015 Concrete Canoe		Canoe Team		
2015		USU & ASCE	USU Steel		
	USU Steel Bridge		Bridge		
2016	Improve Vulcraft	Vulcraft		5	
	prod. Methods		Bullcraft		
2016	Grass Valley Dam	Edwin Judd	Double C	2	
2016	Engineering	Utah State	KJJC	4	
	Innovation Bldg	University	Engineering		
2016	Pedestrian Bridge to	Logan City	Last Inc	4	
	span canal Breach	Public Works	Engineering		
2016	Wellsville Dam	City of Wellville		3	
			MBMJ		
2016	USU Eastern Utility	USU Facilities	MT^2	3	Price,
	Infrastructure		Engineering		Utah

2016	Navajo Mt to Oljato Rd	San Juan County	Oljato	4	< <connec ts Navajo town</connec
2016	Brine Water	Utah Geological		3	Uintah
	Reinjection for oil	Survey			Basin
	and natural gas		SBS Engineering		
	exploration		Solutions		
2016	USU Steel Bridge	USU & ASCE	Steel Bridge	6	
			Design		
2016	Stormwater Drainage	Le Ruisseau		4	
	solution	Home Owners			
		Association and	Storm		
		City of Logan	Engineering		
2016	Panguitch Aricultural	Utah		5	Panguitc
	Bridge	Agricultural			h
		Experiment	Triple B		
		Station	Engineering		
2016	Produced water	Utah Geological	UES Produced	7	Uintah
	treatment within	Survey	Water		Basin
	Uintah Basin		Treatment		
2016	2016 Concrete Canoe	USU & ASCE	USU Concrete	5	
			Canoe		

Snøhetta building green-roofed Temple University Library in Philadelphia

ADAM WILLIAMS

O JANUARY 27, 2016



The Temple University Library is due to be completed in late 2018 (Credit: Snøhetta)



BAT Studio)

After their 5th flood, in 2014 they had to do something. They liked their River Thames home too much to move. They commissioned BAT Studio to build a greenhouse that could double as a floodproof safe place storage. 21









Measuring 29 sq m (312 sq ft) and consisting of one large interior space, the aptly-named Greenhouse That Grows Legs is constructed from glue laminated timber, supported on a steel frame, and sports four hydraulic legs that work simultaneously to lift it 800 mm (2.6 ft) off the ground.

"We love our house by the Thames – the only drawback is the river floods," explains owner Erica, who also owns an amphibious car, pictured above. "When we bought the house in 2000 we were told the flood risk was 1 in a 100 but we have flooded five times. Our living area sits well above the flood level however our undercroft garage and storage area floods dramatically...

"We approached BAT Studio for a solution that could provide a safe refuge for bulky items during a flood but was also a useful space for the rest of the year."

22



The initial idea was for a floating structure, but during the design process, BAT Studio decided a lifting system would work better—when flood water receded, a floating structure could come to rest atop uneven debris and silt.

After a flood warning is issued, the owners pack their greenhouse with furniture and other possessions at risk from flood damage. Then they raise the structure via remote controls. It remains in a level raised position until owners consider it safe to be lowered.

The Greenhouse That Grows Legs was completed in Dec. 2015.

2016 CEE4880 Final Presentation Times (ENGR 302)

	W, 6 Apr	F, 8 Apr	W, 13 Apr	F, 15 Apr
3:30- 3:50	Double C Eng.	LAST Inc. Eng.	Oljato Eng.	Bullcraft Eng.
4:00- 4:20	MT ²		JBMK Eng.	Steel Bridge
	W, 20 Apr	F, 22 Apr	W, 27 Apr	
3:30- 3:50	Concrete Canoe	Storm Eng.	KJJC Eng.	
4:00- 4:20	SBS Eng.	UES	Triple B	

Fin

12-Feb-16	F	How teams chose projects, project overviews, # students & roles, advice	All 13 current CEE4880 team leaders; Dr Peralta PE	●To Canvas, submit pdf of typed BRIEF #1 on Ryan Jolley's presentation.
19-Feb-16	F	Distinguished Alumnus Lecture	Distinguished Alumnus. TBA	
Modified fo	· rat	n CEE 3880 Syllabus:	Homowork	
Middilled II	U	ii CEE 3000 Synabus.	HUIHEWULK	
Each in	div	vidual must submit a typ	ed BRIEF in their own words co	ncerning each speaker's
presenta	atic	on (No more than one page	age double spaced; do not skip a	dditional space between
•	1	· 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1	N D 10 11 1	1 1 11 1 1 7 77
paragraj	phs	s; indent paragraphs; Ti	mes New Roman, 12 pt; 1 inch	borders all sides). The

BRIEF must initially provide who-what-when-where information. Then it must

summarize the important information provided by the presenter. A final paragraph

must indicate why the information is personally useful to the student. The BRIEF will be

due at the beginning of class the following week.

F Tech. Commun. in - Dr Peralta PE
Eng. Project - Ryan Jolley PE, Principal,
Conception & Jones & DeMIlle
Design, & Marketing (Ryanj@jonesanddemille.com)

5-Feb-16

- Grading BRIEFs uses: TechWritingRubricV7c.pdf
- iClicker Question 1: This BRIEF writing assignment will be the first time I have ever written a concise summary (< one page), of a presentation for someone else to read.
 - A. True
 - B. I have written one or two concise summaries or BRIEFs (not exceeding one page), previously.
 - C. I have written three or more concise summaries or BRIEFs (not exceeding one page), previously.
 - D. I have written <u>one or two</u> summaries of presentations for others to read, but the <u>summaries</u> were <u>sometimes longer</u> <u>than one page.</u>
 - E. I have written three or more summaries of presentations for others to read, but the summaries were sometimes longer than one page.

Technical Communication in Engineering Project Conception, Design, and Marketing

Ryan Jolley PE

Principal, Jones & DeMIlle

Ryanj@jonesanddemille.com

Fin

USU Sustainable Concrete

- Develop a sustainable concrete for use on USU projects.
- Incorporate recycled material in the new concrete.
- Reduced use of virgin materials
- Reduced use of cement
- Maintain acceptable strength and durability
- Work with local industry
- Work with Sustainability for USU
 - Apply for small grant!
- Reduce green house emissions by using locally available materials
- Become famous (in a nerdy engineer way)
- Contact: Dr. Marc Maguire m.maguire@usu.edu





CEE4880 Team Leader 2-minute project presentations

Bullcraft Double C Engineering KJJC Eng (Eng InnovationConn) Last Inc Engineering **JBMK** MT² Engineering Navajo Mountain **SBS Engineering Solutions** Steel Bridge Design Storm Engineering Triple B Engineering **UES Produced Water** Treatment **USU Concrete Canoe**

20160212 iClicker Question 1

- 1. From today's presentation, the most important idea or fact that I heard was:
- A. How to select a team project
- B. How to select team members
- C. Warning about potential difficulty or problem
- D. How to handle disagreements among groups
- E. Other

Fin

Project collaboration with Civic Engagement, Service Learning

Dr. Kate Stephens CESO Asst. Director **CANCELLED**

Blue Goes Green Grant Program

Logan Christian, Blue Goes Green Outreach Intern Olivia Binks, Blue Goes Green Committee Member

Revised Schedule ...20160303f available in Canvas

Revised Schedule201603031 available ili Calivas				
12-Feb-16 19-Feb-16		How teams chose projects, project overviews, # students & roles, advice Distinguished Alumnus Lecture		●To Canvas, submit pdf of typed BRIEF #1 on Ryan Jolley's presentation.
26-Feb-16	F	Tech writing comments Team building 101	Dr Peralta. Dr. Scott Bates, Associate VP Research (scott.bates@usu.edu)	 #Postponed To 18 Mar. To Canvas, submit pdf of typed BRIE #2 on Distinguished Alumnus
4-Mar-16	F	Project collaboration with Civic Engagement, Service Learning,	Kate Stephens, CESO Asst. Dir.; Dr Peralta, PE	 #Postponed To 18 Mar. To Canvas, submit pdf of typed BRIE #3 on Dr. Bates' 1st presentation.
11-Mar-16	F	Spring Break!	No Class!	No Class!
18-Mar-16	F	Proposal Rubric and Gantt Chart	Dr. Peralta PE	•#Rescheduled to Today. To Canvas, submit pdf of typed: BRIEF #2 on Distinguished Alumnus presentation & BRIEF #3
		20160304		on Dr. Bates' 1st presentation.

Sp16 CEE-3880-001 Spring 2016

Sp16 CEE-3880-001

> Sp16 CEE-3880-001 > Syllabus

Home

Announcements

Jump to Today

Assignments

Download current syllabus here. (...v11b)

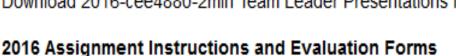
Discussions

Download current schedule here (...160303f.pdf)

Grades

People

Download Dr. Peralta's class operations slides (through 5 Feb), here (CEE3880_daily_2016 Download 2016-cee4880-2min Team Leader Presentations from 'Files\2016-cee4880-2min '



Pages Files



Syllabus

Writing errors)

Outcomes

Download Writing Guidance For CEEDS (...vs1c)

*.docx file (use part of it in proposal) 🛛 📆

Download Technical Writing Rubric (...vs7c)

Quizzes Modules

Download Project Proposal Instructions and Format (...vs10_2016):

and/or

*.pdf file (for convenienc



Download sample team project proposal from 'Files\Sample Student Submissions'

- 2016 CEE4880 2-min. Team Leader Presentations
 - ♠ > Sp16 CEE-3880-001 > Files > 2016-cee4880-2min Team Leader Presentation

Search for files

- Sp16 CEE-3880-001
- 2015files
- = 2016 Assignment Instructions and Evalu
- = 2016 Dr Peralta Presentations
- = 2016 Syllabus and Schedule
- 2016-cee4880-2min Team Leader Pre
- Old Presentation Videos
- Project Ideas and Opportunities
- Sample Student Submissions
- unfiled





Concrete Canoe 2-min Presentation.

0 items selected



Double C 2 Minute Presentation for .



JBMK 2 min Presentation.pdf



KJJC ENGINEERING 2min.pdf

20160304

Sample Student Submissions (proposal)

Courses Grades Calendar Commons Sup

♠ > Sp16 CEE-3880-001 > Files > Sample Student Submissions

Search for files













1 item

- Sp16 CEE-3880-001
- 2015files
- = 2016 Assignment Instructions and Evalu
- = 2016 Dr Peralta Presentations
- = 2016 Syllabus and Schedule
- * = 2016-cee4880-2min Team Leader Preser
- Old Presentation Videos
- Project Ideas and Opportunities
- Sample Student Submissions
- unfiled





cee3880_2015-ProposalBullcraftGR.

20160304

Student Memorandum of Agreement (SMOA)

- CEEDS_SMOA_20160304wLogo.pdf
- All members of a team sign one SMOA.
- Each team submits the signed SMOA with team project proposal

Mentor Memorandum of Agreement (MMOA)

- CEEDS_MMOA_20160304b_wLogo.pdf
- Each team gives a copy of their SMOA to each Mentor
- Each team completes part of the MMOA and gives it to each Mentor.
- Each team obtains one signed MMOA from each Mentor (at least from the Faculty Adviser and the External Professional Engineer).
- Each team submits all signed MMOAs with team project proposal.

BRIEF evaluations status

Sp16 CEE-3880-001

Jump to Today

Download current syllabus here. (...v11b)

Download current schedule here (...160303f.pdf)

Download Dr. Peralta's class operations slides (through 4 Mar), here (CEE3880_daily_20160304.pdf)

Download 2016-cee4880-2min Team Leader Presentations from 'Files\2016-cee4880-2min Team Leader Presentations'

2016 Assignment Instructions and Evaluation Forms

Download Common Technical Writing Errors (...Jan2016vs1a) (modified from Ms Scheaffer's Common Technical Writing errors)

Download Writing Guidance For CEEDS (...vs1c)

Download Technical Writing Rubric (...vs7c)

Download Project Proposal Instructions and Format (...vs10_2016):

*.docx file (use part of it in proposal) and/or *.pdf file (for convenience).

Download sample team project proposal from 'Files\Sample Student Submissions'

Memoranda of Agreement

Download editable Suggested Memorandum of Agreement for mentor and team signatures.

Download Memorandum of Agreement committing students on a team to work together and with Mentor. 20160304

Fin

CEE 3880 Project Proposals

Projects

- Design modular, skid mounted, drinking water treatment plants for small remote locations. (~30 gpm)
- Proposal for 100 ft. diameter Solids Contact Clarifier with option for a pre-stressed concrete bridge.

Engineering Disciplines Needed

- Structural, Hydraulics, Water Resources, Environmental
- Structural, Hydraulic, Water Resources

Presented by:
Parry Osborn, PE
801-290-1460
posborn@westech-inc.com
www.westech-inc.com









Project Management

- Gantt Charts
- Critical Path Method (CPM)
- ProjManIntroCh14_385_CPM_GANTT_rcp3.pdf
- Technical Writing Question and Answer