

CE 365K Hydraulic Engineering Design

Design Project Presentation

Spring 2016

1. The schedule for project presentations is given at:
<http://www.cae.utexas.edu/prof/maidment/CE365KSpr16/Docs/DesignGroups.pdf> It includes Boggy Ck, Bull Ck, and Slaughter Ck on Tuesday May 3 and East Bouldin Creek, Shoal Ck and Walnut Ck, on Thursday May 5. It is ok to say that you are not quite finished with some component of your design during your oral presentation and indicated what still has to be done before the design is complete
2. You will have 10 minutes for your presentation and 2 minutes for questions and transition to the next team. This limit will be strictly observed.
3. There is an Assignment for Oral Project Presentation in Canvas for this class, and your project slides should be submitted there by 11AM on the day of your presentation. I will assemble them all on the computer to be used in the class presentation.
4. All the team members should take some part in the project oral presentation.
5. You are responsible for doing
 - a. A design for a bridge or culvert for the outlet of your assigned project watershed and its evaluation in HEC-RAS
 - b. A design for a detention pond within your design watershed and its evaluation in HEC-HMS
 - c. A conceptual design for a rain garden in association with your bridge or culvert alterations using the summary design procedure in Rain Garden 101.
6. You will be evaluated using the criteria as below and specified at:
<http://www.cae.utexas.edu/prof/maidment/CE365KSpr15/Docs/Assessment.pdf>
7. Your written project report will be due in by midnight on the last class day, Friday, May 6.

Performance Criteria	Rank
Students' ability to:	
Clearly state the design problem and background information.	
Define the design objectives and constraints.	
Idealize the project as an appropriate assemblage of components.	
Use hydraulic analysis software to facilitate the design process.	
Use drawings and diagrams to communicate and illustrate the components.	
Explain the steps in the design process.	
Give an effective oral presentation.	
Answer questions about the proposed solution and design process.	