Hydrology Project: Presentation Guidelines

Presentations should be 8-10 minutes long and should be given as a team (not just one person).

Be sure the following information is presented:

1. Describe your watershed. Where is it? What is it like (e.g., soils, land cover, topography)? How big is it? Any interesting features?
2. Show maps of your watershed. These should be the maps you created in Task 4, and any other maps you feel are appropriate.
3. What was your CN and percent impervious cover obtained under initial conditions? Discuss your modification of the CN and percent impervious cover for an urbanization scenario.
4. What was the 24-hour, 100-year rainfall depth (inches) for your watershed?
5. What was the basin lag time (min)?
6. What was the initial abstraction (in)?
7. What was the total abstraction (inches) for the 24-hour storm event?
8. What was your rainfall excess (inches)?
9. What was the total volume of runoff (acre-ft)?
10. What was the peak discharge (ft³/s), and what time did it occur?
11. Compare values for Items 5-10 for both the existing conditions and the urbanization scenario.
12. What watershed management practices could reduce the design discharge?
13. How do the watershed characteristics affect discharge from design storm events, as compared to other group’s watersheds (say a more urbanized, forested, or agriculturally based watershed).
14. Answer any other questions you feel appropriate from Tasks 1 through 3.

Grading of Presentations:
Your project presentation is worth 100 points (80 points as team / 20 points as an individual). Grades will be computed based on the following components:

70% will be based on the overall quality of the presentation as assessed by your TA using Items #1-5 on the evaluation form below for guidance. An average score will be assigned to the team by your TA.

10% will be based on peer evaluation. The other students in your lab session will assess your team’s presentation using the evaluation form below. An average score will be assigned to the
team based on these assessments. [Please note that it is within the TAs power to decide not to use these evaluations in determining the overall grade if they seem unfair or out of line with the TA’s personal assessment.]

20% will be based on your individual performance. You are expected to participate in the presentation and your TA will assess your individual performance using Items #6-7 on the evaluation form for guidance.

**Presentation Evaluation Form**

Presentation Grade:___________________________

[5= Excellent (A); 4 = Good (AB); 3 = Satisfactory (B); 2 = Some problems (BC);
1 = Many problems (C); 0 = Did not present (F)]

Presenters: _____________________________________________________________

Watershed: __________________________________________________________________

___ 1. Introduction: Was necessary background given (i.e., relevant watershed information)?
   Was a clear purpose conveyed?

___ 2. Organization: Was there a clear organization?
   Were transitions between sections clear and effective?
   Did the organization lead to a clear conclusion?

___ 3. Content: Did the speakers provide all required information?

___ 4. Visual Aids: Were visual aids used effectively and appropriately, carefully prepared?

___ 5. Conclusion: Was a sense of closure provided? Were possible watershed management practices to reduce the design discharge mentioned?

___ 6. Delivery: Were the speakers natural, enthusiastic? Did they speak clearly?
   Were appropriate gestures, posture, expressions used?

___ 7. Discussion: Were questions answered accurately, clearly, effectively?

___ 8. General Comments (use back if needed):