**CE 374K Hydrology  
Spring 2012**

**Homework #4  
Mar 6, 2012**

1. Problem #7.5.4

2. Problem #7.7.11. In this problem, what you need to do is to compute the triangular unit hydrograph by the SCS method, and then find the unit hydrograph flows at intervals of 10 minutes. Determine the excess rainfall amounts by subtracting φ = 0.6 in/hr = 0.1 in/10 min from the given rainfall values. Use the discrete convolution integral, Eq. (7.4.1) , to compute the direct runoff hydrograph.

3. Exercise on “Introduction to HEC-HMS”

This homework is due in on Thurs Mar 22