

CEE 536  
OVERLAPPING NETWORKS

PROBLEM SET 10

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Fall 2025

November 20, 2025  
Due: Thursday, November 25, 2025

For the overlapping network shown below:

- Perform a forward pass and calculate the early start and early finish times for each activity and the lag for each link.
- Use the link-lag approach to determine the four floats for each activity.
- Identify the start and finish activities, the project duration and the critical path.
- Prepare a time-scaled version of this network (similar to Figure 13.14 in the textbook). The columns on the left should show the following: I, ACT<sub>i</sub>, ESD<sub>i</sub>, EFD<sub>i</sub>, LSD<sub>i</sub>, LFD<sub>i</sub>, TF<sub>i</sub>, and FF<sub>i</sub>. Use days as the unit of time for the time-scaled network on the right side of the figure. Show the links between activities and the corresponding lead times.

