

CPM project

For this project you will be creating your own project and will need to utilize the critical path method to see how long it is going to take you to complete your project or task. Groups will be comprised of 3 students.

Project Topic (10 points)

Your topic must be approved by me. Acceptable topics include: planning a wedding, building a house, building a baseball field, planning prom, building a car etc.

Rubric Attached to Poster with Names (2 pts)

Need I say more?

Activity Dependence Chart (15 points)

The activity dependence chart should include all the activities needed to complete the project or task. It should also include what the activity is dependent on and how long it takes to complete each activity.

Order Requirement Digraph (15 points)

From your activity dependence chart an order requirement digraph needs to be made. When creating the digraph, make sure to set up your nodes so that you can fill them in with the critical path method.

Critical Path Method (21 points)

Using your order requirement digraph, complete the critical path method. After you have finished the forward pass and backward pass, **fill in a chart with the Activity Label**, EST, LST, EFT, LFT, Slack, and name the critical path like we have done previously in class.

Critical Path Table (15 points)

Table should be complete in order to see critical tasks and task that have slack time. Use the table from your notes on the Taco Dinner as an example.

2 Questions (18 points – 9 points apiece)

Create two questions dealing with your project. You will be graded based on the level of questioning.

Neatness (10 points)

Please present your project neatly!

CPM Project Rubric