

## Grading rubric components for project (0-10 point scale for each)

[For the first draft: ✓ : Satisfactory; ~ : Partly developed, but needs improvement; ✕ : Missing or not satisfactory; blank: Not relevant]

### 1 *Talk and slides*

- \_\_\_ Clearly explain the problem, why it's important, solution methods
- \_\_\_ Show highlights from results
- \_\_\_ Able to answer any questions
- \_\_\_ Adhere to time limit (5 minutes, plus any questions)
- \_\_\_ Slides follow standard and consistent grammar, syntax, spelling

### 2 *Report*

- \_\_\_ **Abstract** is a single paragraph that summarizes your topic, methods, main results, and conclusions
- \_\_\_ **Introduction** describes the topic; mentions the main methods you used and why you chose them; briefly explains and gives appropriate references for importance/significance of topic or methods
- \_\_\_ Explain how topic or methods relate to material discussed in lecture/lab, and go beyond class material and exercises in some way
- \_\_\_ **Methods** section describes the numerical and computational algorithms used; lists and justify any approximations or simplifications made; gives credit and references for all algorithms or programs you didn't invent/write yourself
- \_\_\_ **Results** section presents and interprets your main findings; includes graphics (with axis/data labels and caption) that clearly illustrate findings; shows how your program or solution process performs for more than one test case; discusses sources of error and provides error estimates
- \_\_\_ **Conclusions** summarize the main outcomes from the project
- \_\_\_ Include in-text **citations** and a alphabetically arranged **bibliography**
- \_\_\_ Standard and consistent grammar, syntax, spelling throughout