

Requirement Statement of A Peer Review System

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Requirements Statement₁

- We are developing a peer review system. Students can review and rank other students' homework. In general, each assignment is reviewed by 3-5 students but can be set by the instructor.
- □ To be more objectively, instructors are required to design a ranking criterion called rubric for each assignment. A rubric includes one or more dimensions on which performance is rated, definitions that illustrate the attribute being measured, and a rating scale for each dimension. Dimensions are generally referred to as criteria, the rating scale as levels, and definitions as descriptors. The following is a rubric example to evaluate the essay of describing the changes in one Portland community over the past 30 years.



Requirements Statement₂

| | Level | | |
|-----------------------------|---|---|---|
| Criterion | Excellent | Competent | Needs work |
| Knowledge/ Understanding | historical understanding by using relevant and accurate detail to support the student's thesis. Research is thorough and goes beyond | generally accurate with only minor inaccuracies, and which is generally relevant to the student's thesis. | • |
| Thinking/ Inquiry | The presentation is centered around a thesis which shows a highly developed awareness of historiographic or social issues and a high level of conceptual ability. | structure and a central thesis, but the analysis is not always fully developed | The presentation shows no analytical structure and no central thesis. |
| Communication | effective in conveying ideas to the audience. | • | The presentation fails to capture the interest of the audience and/or is confusing in what is to be communicated. |
| Use of visual aids | and easily understood visual aids which the presenter refers to and explains at | or understand, and/or the presenter | or visual aids that are inappropriate, and/or too small or messy to be |



Requirements Statement₃

□ After the peer review, the instructor can see the score of each student, and the average in each criterion. The score information can help the instructor understand the strength and weakness of each student.

Other requirements:

- Each rubric has three levels: excellent, competent and needs work. The scores are 3, 2 and 1, respectively. However, the level may change in the future since different schools may have different strategies.
- A student's score is ranked by averaging the scores from their reviewers. But the rule may be changed in the future some instructors think using median is more reasonable.