

CSE3000 Assessment rubric

Please tick a box in each row, and give a partial grade for each of the four categories.

Use the field on the right to explain criteria not graded as "sufficient".

| | | Insufficient | Sufficient | Excellent | |
|---------------------------|---|--|------------|-----------|--|
| Criterion | | | | | |
| 1. Content | Assessment of related scientific work | Student shows ability to critically assess scientific work. | | | <i>Feedback on performance in the area of content:</i> Sufficient = a few related contributions are correctly summarized & cited, and a research question or problem description is identified. Excellent = many different sources are discussed and critized in an organized manner, and from this the research question/problem is defined and motivated. Sufficient = the chosen research methodology is made explicit and motivated. Excellent = multiple alternative approaches are discussed, or the chosen methology is profoundly used. Sufficient = the chosen research methodology is adequate and the work is reliable. Excellent = a challenging approach is executed succesfully, or significantly more-than-average work of high quality has been done. Sufficient = findings are reported and verified and conclusions are based on these findings. Excellent = good and complete interpretation of results, or new hypothesis formulated and tested. Conclusions are based on results in a clear way. Sufficient = some reflection on reproducibility and integrity is included. Excellent = good discussion of reproducibility and integrity challenges and and well thought-out reflection thereof. |
| | Research/design methodology | The student is able to use, explain and justify adequate research and design methodologies. | | | |
| | Scientific method | The chosen research approach is adequate and the work is reliable. | | | |
| | Interpretation of results | Student uses techniques for interpretation and verification and bases conclusions on results. | | | |
| | Responsible engineering | The student adequately reflected on the reproducibility and integrity of the performed research. | | | |
| | 40% | Partial grade | | | |
| 2. Writing | Argumentation | Student expresses argumentation coherently and concisely. | | | <i>Feedback on performance in writing:</i> Sufficient = general presentation of the text is coherent. It is not difficult to follow the arguments. Excellent = presentation of the content in text is effective, coherent, and concise. Arguments are easy to follow. Sufficient = document is structured into sections and paragraphs in a sensible way. Excellent = each paragraph has a clear single message. Structure is motivated in the paper when not self-explanatory. Sufficient = there is a clear motivation of the work done. Excellent = motivation is convincing to anyone with a computer science bachelor and based on solid arguments/references. Sufficient = the document contains little spelling and grammatical errors. Excellent = Document has a smooth flow with sufficient transitions. Document is almost without any spelling and grammatical errors. |
| | Structure and references | Organisation of the content is satisfactory. References are well documented. | | | |
| | Motivation | The motivation of the work is sufficiently clear. | | | |
| | Quality of language | The student uses correct spelling and grammar. | | | |
| | 30% | Partial grade | | | |
| 3. Process | Planning | Student adequately managed the project. | | | <i>Feedback on performance regarding the process:</i> Sufficient = student has made and used a project plan. Excellent = the project plan is refined during the project, used to make decisions on what to do, and is adapted to new information. Sufficient = student asked appropriate questions and though about next steps. Excellent = student proposed next steps and provided input at multiple occasions (problem, method, plan). Sufficient = student used feedback received, and provided clear and timely feedback to others. Excellent = student informed supervisor timely, used feedback to learn from and improve, and motivated and supported others. |
| | Independence | Student took initiative and needed little guidance. | | | |
| | Peer feedback and communication | Student interacted well with peers/supervisor(s) and gives clear feedback to peers. | | | |
| | 20% | Partial grade | | | |
| 4. Presentation or Poster | Presentation/poster content and performance | Student demonstrates extensive knowledge of the subject, visuals are clear. | | | <i>Feedback on performance in presenting:</i> Sufficient = student showed that they understood all that was done. Excellent = student gave insightful and concise answers to questions. Provide the main argument for this partial grade in the feedback box above it. Any grade between 1 and 10 is allowed. |
| | | | | | |
| | 10% | Partial grade | | | |
| Final grade (rounded/0.5) | | | | | 0.0 |

General guideline: use *insufficient* if the work falls short on this aspect (below 6), use *sufficient* in case the student deserves between 6 and 8 for their work on this aspect. Use *excellent* if the work deserves to be awarded strictly above 8. The *partial grade* is not an average of these sufficient/excellent ticks: e.g., it could be that strong excellence (or failure) in one aspect already is a reason to arrive at a partial grade of 9 (or 5).

Sufficient = a few related contributions are correctly summarized & cited, and a research question or problem description is identified. Excellent = many different sources are discussed and critized in an organized manner, and from this the research question/problem is defined and motivated.

Sufficient = the chosen research methodology is made explicit and motivated. Excellent = multiple alternative approaches are discussed, or the chosen methology is profoundly used.

Sufficient = the chosen research methodology is adequate and the work is reliable. Excellent = a challenging approach is executed succesfully, or significantly more-than-average work of high quality has been done.

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Sufficient = some reflection on reproducibility and integrity is included. Excellent = good discussion of reproducibility and integrity challenges and and well thought-out reflection thereof.

Provide the main argument for this partial grade in the feedback box above it. Any grade between 1 and 10 is allowed.

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The final grade is the weighted average of the partial grades, and rounded to 0.5.