**Rubric for Coding Assignments**

This is the rubric for the coding assignments. The specific deliverables for each assignment will be detailed in each assignment description.

Assignment Rubric

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| **Category** | **Exceeds**  **Expectations**  **(85-100)** | **Meets**  **Expectations**  **(75-84)** | **Needs**  **Improvement**  **(65-74)** | **Below Expectations**  **(0-64)** |
| Code Execution (20%) | The program works as expected with no error messages and no warnings.  The processing time is appropriate for the problem complexity. | The program works as expected with no error messages, but a few warnings.  The processing times is a little high for the problem complexity; | The program has a few errors and maybe a few warnings, but the errors are easy to fix.  The processing times are very high for the problem complexity. | The program has multiple error messages, which are not easy to fix.  The processing times are extremely high for the problem complexity. |
| Clarity of the code (20%) | The code is clear and has pertinent comments | The code is somewhat clear and has some comments | Most of the code is not clear and has very few comments | The code is unclear and has no comments. |
| Proper usage of the techniques seen in class  (40%) | - Uses appropriate  methods for the  problem at hand  - Uses a sound  experimental setup | - Uses methods that could be appropriate for the problem at hand  -Uses an experimental setup that seems correct | Uses methods that do not seem to be  appropriate for the problem at hand  -Uses an experimental setup that is not the most appropriate to  assess the methods | - Uses methods that are not appropriate for the  problem at hand  -Uses an experimental setup that is inconsistent |
| Quality of the results  (20%) | - The results are presented clearly  - The results achieved are on par with what was expected from the proper usage of the techniques seen in class | - The results are presented somewhat clearly  - The results achieved are good but could be further improved using the proper techniques seen in class | - Most of the results are not presented clearly  - The results achieved could significantly be further improved using the proper techniques seen in class | - The results presented are not clear  - The results achieved are incorrect and did not employ the proper techniques seen in class |