**G440/540: Terrestrial Ecosystem Modeling In-Class Project Grading Rubric**

|  |  |  |
| --- | --- | --- |
| **Section** | **Points** | **Marks for:** |
| **Plan** | **5** | * Overview of proposed topics (similar to an overview slide in presentation) * Plus, references you will cover in your presentation and literature review * Details on how you will address presentation objectives (see below) |
| **Powerpoint presentation** | **60** | * 30-35 minute presentation to the rest of the class on your in-class project * Must cover following objectives:  1. How your chosen topic (model process(es)) are represented in TEMs - overview of calculations involved 2. Where appropriate: different ways in which processes are implemented in different models. 3. Why it’s important for modeling climate and ecosystem response to global change? 4. How well processes are represented (e.g. model evaluation and MIPs) 5. Some example applications (e.g. plant hydraulics is relevant for plant responses to drought; or land cover change impacts on climate) 6. Advantages/disadvantages/limitations/caveats/uncertainties of how chosen topic is represented in models 7. Address all the learning outcomes for the course.  * Majority of marks for demonstrating a well-researched and comprehensive knowledge of the topic * Slides must be coherent and easy to follow (not too much text and enough figures/plots/images to explain your points) * Marks will be strongly deducted for just writing text and reading off slides * Engaging and coherent oral presentation (you may have notes) * Marks for review of literature beyond reading list (must for graduate students) |
| **Literature review** | **30** | * Well-written, concise summary of the literature you have read about your topic and objectives you will cover in your presentation (you may go into more detail for some of the objectives than you will have time to cover in your presentation) * Majority of marks for demonstrating a well-researched and comprehensive knowledge of the topic * Marks will be deducted for poor grammar, lack of clarity, and/or vague or repetitive statements |
| **Quiz** | **5** | * 10 questions: multiple choice or true/false statements testing comprehension of main points of your presentation and chosen topic. |
| **TOTAL** | **100** |  |