

CS 104

Fall 2011

Due date: 10/31/2011 by 11:59 PM

Assignment #4

Honor Statement

The work that you submit must be your own. You should not receive detailed help from any other student regarding this assignment, and you should not offer your solution to another student. Nor should you go out to a newsgroup and ask for help from the global community. You should not ask questions about the assignment to other students – all questions should be addressed to the instructors for clarification purposes. We are more than happy to answer any question, and please feel free to email your questions (to both Dr. Gray and Amber) or come see either Dr. Gray or Amber.

How to Submit

The deliverable for this assignment is a Word document. Please attach the document to the elearning assignment. If you have any questions on how to do this, please do not hesitate to email Dr. Gray and Amber. The specific requirements for the format of the paper are below:

- Your name and the title of your paper should be in the header, nothing else
- Font should be Times New Roman, 12 pt
- One inch margins
- Double-spaced
- Two pages
- References should be on the third page in either MLA or APA format

Assignment

The assignment is to research and analyze a computer simulation model. The model can be utilized in any field you wish, but it must be a computer model (as opposed to a physical architecture model, for example). Your paper must discuss the following information:

1. What is the name of the model?
2. What is the field in which the model is used? Include an explanation of the field (this should be at least one paragraph describing background information of the field).
3. Describe the model.
 - a. What kind of hardware is required?
 - b. How many operators does it require?
 - c. How much does it cost?
 - d. Is this a forecasting model (like the weather), or is this a simulation model?
 - e. Does this model save the field in which it is used money? If so, how?
 - f. Does it save some other type of resource?
4. Analyze the model.
 - a. What are the inputs for the model?
 - b. What does the model do?

- c. What are the outputs of the model?
 - d. Find an example of the model (try to find a printout from the model) to analyze and describe what the information means. If you cannot find an example or printout, describe generically what the output means. You might be able to find an example in the news.
 - e. Is there a specific company within the field that uses this model? If so, describe how the company uses it.
5. References
- a. You need to have at least 3 references. These can be academic or from a newspaper (Wikipedia is not the newspaper). The sources need to be reputable. If you find that a company uses the model and they have information about it, their site is a reputable source.
 - b. The references should be on page 3 and in APA or MLA format.

Grading

Proper specs (length, font, margins, references, format)	10%
Are the required topics discussed thoroughly in the paper	60% (20 points each for #2,3,4)
Creativity and quality of research	20%
Spelling and grammar	10%