

ME 4171 – Environmentally Conscious Design & Manufacturing (Bras)

Assignment – Creating an Environmentally Conscious Design and Manufacturing Course using Information on the INTERNET.

There are many World Wide Web pages that have environmental information on them. Some even attempt to catalog the environmental resources on the internet. In this assignment, I want you to browse the web and explore world wide web sites relevant to this class.

Imagine that you are in charge of creating a resource base for your own class on Environmentally Conscious Design and Manufacturing and related environmental topics. What I want you to do is to go to the internet and create a logical compilation of websites that

- a) address topics that you are interested in, and
- b) you think are useful for these topics and such a class.

Another way to look at it is that I am asking you to define your own ECDM class syllabus of topics, and identify content for the topics in your syllabus in terms of websites.

As a deliverable, write a small report in which you document the following:

1. Discuss the topical areas that you are interested in, and why.
2. Describe the methods you used to find sites on the web for identifying content for these topics (that is, in general, how did you go about searching the web? What were your search criteria? What keywords did you use? Etc.).
3. List the WWW addresses of these sites accompanied with:
 - A brief description of the site's contents.
 - Your assessment of the usefulness of the site's information for "your" ECDM class, and product and process design in general. Think about things such as, e.g., in what situations would the information be useful? How reliable is the information? Is it useful in any practical way? Etc.
 - A prioritization of the sites you found with respect to their usefulness for each of your topics.
4. As part of the report, create (on paper) a conceptual design of a web page that would provide an effective and useful classification of the sites you found
5. Discuss what have you have learned from this exercise.

Turn in a hardcopy of the report.

Some comments: Please, do not copy the syllabus of ME 4171, but be a bit creative. One way to start is to think about topics and sites that would help you in your future career as a mechanical (or other) engineer, or would help you in other classes at Georgia Tech, or simply interests you personally. There is no unique answer to this assignment. I will be grading you not solely on quantity of topics and resources found, but primarily on your insight and reasoning regarding topics and the relevance and usefulness of certain sites.

The **objective** of this assignment is that you become more familiar with what information resources are out there and to broaden your resource base for this class and other work.

If you have any questions, doubts, or you need some suggestions, please see or call me! Don't wait until the last moment.