CSDI 1200

Web Expressions
Contact and course information:

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- **Text Book:** None Required, Notebook is required
- **Meeting places:** Computer Lab M213
- **See Calendar and on-line syllabus**
Course Description

• **Web Expressions** teaches students how to have a voice on the Internet.

• Students will have the skills necessary to creatively and effectively express themselves over the Internet.

• The class will cover five basic modes of expression, video, images, sounds, text, and animation. (VISTA)
This course is a **Creative Thought Direction** in PSU’s General Education program

- **Creative Thought** courses emphasize the skills of
  - critical thinking, reading, writing, listening and speaking,
  - and working with information technology
Creativity -- From *Human Motivation*, 3rd ed., by Robert E. Franken:
Creativity is defined as the tendency to generate or recognize ideas, alternatives, or possibilities that may be useful in solving problems, communicating with others, and entertaining ourselves and others. page 396

In order to be creative, you need to be able to view things in new ways or from a different perspective. Among other things, you need to be able to generate new possibilities or new alternatives. Tests of creativity measure not only the number of alternatives that people can generate but the uniqueness of those alternatives. The ability to generate alternatives or to see things uniquely does not occur by chance; it is linked to other, more fundamental qualities of thinking, such as flexibility, tolerance of ambiguity or unpredictability, and the enjoyment of things heretofore unknown. page 394
Information Technology

- PCs with Windows 7
- Electronic mail
- World Wide Web (WWW)
- Blogs
- Adobe Creative Cloud
  - Web page – Dreamweaver
  - Image processing – Adobe Photoshop
  - Animation – Flash
- Sound – Audacity
- Video – Adobe Photoshop
Critical Thinking

Looking at the problem from ALL angles.

A persistent effort to examine evidence that supports any belief, solution, or conclusion prior to its acceptance. The ability to think clearly, to analyze, and to reason logically.
Join The Dots

Four straight lines, do not lift pencil.
Think Outside the Box
Is The Smaller Circle Round?
Remove the distractions – Focus on the Problem
Are Squares “A” and “B” the Same Shade of Gray?
Break out the main points so you can analyze them.
A Person holds a piece of wood straight out to the side and lets go of it.

What will happen to the wood?
Be sure of your assumptions!
Ahhhh -- The Summer Months

What occurs once in June, once in July and twice in August?
Don’t overlook the obvious!
HOW MANY HOLES ARE IN THIS SHIRT?
What can be done with this block?
What’s the difference between these bottles with respect to LEARNING?
Concentration??

http://www.youtube.com/watch?v=IGQmdoK_ZfY

https://www.youtube.com/watch?v=pHHREtLdwC8

https://www.youtube.com/watch?v=RWO2UQ4MW7U
Puzzles

Develop your logic skills!
Project Planning

1. Understand the problem
2. Brainstorm solutions
3. Select a solution
4. Design – storyboard
5. Collect the inventory
6. Build
7. Test
**Brainstorming** – an example of critical thinking

A persistent effort to examine evidence that supports any belief, solution, or conclusion prior to its acceptance. The ability to think clearly, to analyze, and to reason logically.

- State your objective
- Think of all possible solutions to your problem.
- Write and number potential solutions on board.
- Combine similar solutions if originators agree.
- Enter the constraints (time, money, size, etc.)
- Choose the possible solutions that meet the constraints or --
- Review and modify the constraints
- Select the "**best**" solution. (vote?, consensus?)
Brainstorming Rules

- Postpone and withhold your judgment of ideas.
- Encourage wild and exaggerated ideas.
- Quantity counts at this stage, not quality.
- Build on the ideas put forward by others.
- Every person and every idea has equal worth.
List some ideas that you have for a webpage for this class.

Start listing as fast as ideas come to you
Shown above are 4 men buried up to their necks in the ground. They cannot move so can only look forward. Between A and B is a brick wall which cannot be seen through. They all know that between them they are wearing 4 hats, 2 x black and 2 x white, but they do not know what color they are wearing. In order to avoid being shot one of them must call out to the executioner the color of their hat. If they get it wrong, everyone will be shot. They are not allowed to talk to each other and have 10 minutes to fathom it out.

After 1 minute, one of them calls out.

Question: Which one of them calls out?

Question: Why is he 100% certain of the color of his hat?
The “ME” creativity project

See Rubric on my website