Interdisciplinary Project/Capstone – CIT 460, SEC 460, CS 460
RM 127
Tues 4:00 – 5:15
Spring 2013

Instructor: Jenny L. Dawkins
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Office Hours: M   5:30 – 6:00
                         T R 12:00 – 12:30
                         W   12:00 – 3:00, 5:30 – 6:00
                         Or By Appointment

Textbook:
No formal textbook for this class. Students will use material from books used in previous semesters.

Course Objectives:
The objective of this course is for students to utilize various competencies learned during their academic tenure and apply these competencies in a real-world project implementation.

- Time management: planning and estimation

- Risk management: anticipating and mitigating risk

- Communication: conversing with clients; documenting problems and solutions

- Technical skills: analysis, design, and implementation

- Quality assurance: requirements analysis; testing

Course Topics:
- Strategic business and technology planning

- Technical and financial analysis of business and technology planning

- Analysis of technical and human resources in planning

- Project and technology selection based on compatibility with strategic, technical, and financial planning

- Project implementation and evaluation

Homework:
This class consists of a semester-long comprehensive development of a strategic project which means all/most of the work will be done outside of class. Regular progress reports should be submitted throughout the semester. The student is required to plan, coordinate and design, and implement a strategic project, provide financial analysis and project justification that complies with the strategic plans.

Grading:
Project -
5%   Misc. (specific project and report criteria will be expected on certain days, etc)
10%   Documentation (may differ depending on project type)
10%   Content (project size/intention)

| 25% | Quality of the result |

Report and Presentation: -

15%   Written

5%	professionalism
5%	Logic and justification of conclusions
5%	project management including schedule

5%	Attire
5%	Professionalism
10%	Content
15%	Committee

Scale:

A	90% - 100%
B	80% - 89%
C	70% - 79%
D	60% - 69%

Written Proposal:

· Statement of the Goal: Explain briefly the goal you are trying to accomplish and the reasons for the importance or need for the project.

· Project specifications: What specifications the project must meet to be successful. This should include a discussion of your goals, hypotheses, expected outcomes, and benefits of the project.

· Methodology: Indicate the specific types of analysis and research methods you intend to use as part of your project.

· A chronological outline: Specify your time frame for completion of the project.   This should include a weekly breakdown of the steps you will take. (may want to use MS Project software)

· Priorities: Must have, like to have, do this if we have extra time.

· Preliminary cost estimates.

Project:

· There are no constraints other than resource availability on the technologies used for the project.

· Project may be in any area related to your field of study, may be hardware or software based.

· I will approve (or reject) the project. Reasons for rejecting a project: too big, too small, too risky, non-availability of resources, inability to demonstrate.

· After the presentation you will provide the instructor with a CD or DVD with all project code, executables, web sites, documentation, etc.

· Project must produce a high quality work to be judged by a project committee of at least three.

Student Accommodation:

If you are a person with a disability and anticipate needing any type of accommodation in order to participate in this class, please advise me and make appropriate arrangements with the Office of Disability Services (424-8378).

Other Information:

All students are responsible for accommodating their schedules to that of the PC lab

The Instructor reserves the right to make changes to course syllabus as necessary

West Virginia University at Parkersburg is committed to social justice. I concur with that commitment and expect to maintain a positive learning environment based upon open communication, mutual respect, and non-discrimination. Our College does not discriminate on the basis of race, gender, age, disability, veteran status, religion, sexual orientation, color or national origin. Any suggestions as to how to further such a positive and open environment in this class will be appreciated and given serious consideration.

Class Safety: WVU-Parkersburg and I both value student safety. Several procedures have been designed to help you in case of a dangerous situation. If a fire alarm goes off, please take your books and other materials, and exit the building in an orderly fashion. We will meet in the Caperton Center parking lot in the back of the building. If a shelter-in-place is ordered, please take your books and other materials to the auditorium in the Caperton Center, without using the elevator. If a lockdown alarm is called, the doors will be locked and we will stay in the classroom until the all clear is given. If you have any other concerns or issues regarding safety, please bring them to my attention as soon as possible. Concerns or issues will be kept confidential

I WILL NOT ACCEPT HAND WRITTEN ASSIGNMENTS