

I. COURSE DESCRIPTION

This technology project course is designed to expand the student's understanding of issues and challenges related to the design and development of a multi-user, on-line instructional resource. This is a project-based application of design theory and development practices.

II. RATIONALE

This student _____ has one course remaining to complete a masters degree in Instructional Technology. His employment situation makes it impossible to attend courses offered during the summer semesters so that he could graduate in August. This technology project course provides this student with an opportunity to apply the concepts of instructional design acquired during coursework and the practical skills related to the development of multimedia instructional materials in support of learning for his students in a unit on robotics. To accomplish this goal it will be necessary to design and develop an exemplary web site to organize and manage on-line resources.

III. COURSE GOALS/OBJECTIVES

By completion of technology project activities the student will be able to:

- Prepare a design specification for the shared on-line resource.
- Document and describe the procedures for integration of on-line resources with the current school network and communication resources.
- Demonstrate competencies with web site authoring applications (Adobe GoLive), digital image manipulation tools (Photoshop), and image capture equipment (digital camera, scanner).
- Design evaluation criteria and instruments to determine the effectiveness of prototype web site once implemented.

IV. COURSE OUTLINE

During the five weeks of Summer II, the student will meet regularly with the instructor to develop the design specifications. During the remainder of the session the student will develop the instructional materials as specified. .

V. REQUIRED/OPTIONAL TEXTS

The instructor has several texts and articles that are appropriate for the project and will be provided to the student. The student will master the necessary skills with the applications through self-directed learning activities.

VI. INSTRUCTIONAL STRATEGIES/ACTIVITIES/TECHNOLOGY

Deliverables include a detailed design specification including a map of the proposed web site, naming conventions and file structures. The fully functional prototype is the final project deliverable. It will be assessed using a rubric that identifies utilization of design elements, and issues related to on-line learning and screen design.

VII. EVALUATION/STUDENT ASSESSMENT

Deliverables include a detailed design specification including a map of the proposed web site, naming conventions and file structures. The fully functional prototype is the final project deliverable. It will be assessed using a rubric that identifies utilization of design elements, and issues related to on-line learning and screen design.

VIII. STUDENT ETHICS AND OTHER POLICY INFORMATION

For further information about The University of Akron's policies regarding student ethics and conduct, please consult the following sources:

<http://www3.uakron.edu/gradsch/gradbull.html>, then select "General Information" (academic honesty); or www.uakron.edu/studdev/conduct.html (Student Code of Conduct). Any student who feels she/he may need an accommodation based on the impact of a disability please consult www.uakron.edu/access and the Office of Accessibility at (330) 972-7928.

IX. BIBLIOGRAPHY

None required.

*Developed by John Savery
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