

EME 5601 - INTRODUCTION TO INSTRUCTIONAL SYSTEMS

Fall, 1995
Course Syllabus

BASIC INFORMATION

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Required Texts Rothwell, W.J., & Kazanas, H. C. (1992). *Mastering the Instructional Design Process: A Systematic Approach*. San Francisco-. Jossey-Bass, Inc.

EME 5601 - Introduction to Instructional Systems: Supplementary Readings.
This manual is available from the copy center on the ground floor of the Stone Building.

EME5601-SystematicDevelopmentModels. This manual is available from the copy center on the ground floor of the Stone Building.

OBJECTIVES AND COURSE REQUIREMENTS

Goal The goal of this survey course is for you to develop adequate knowledge of the systematic approach to instructional design, the contexts of application of this approach, and the roles of professionals in this field to be able to adapt and apply the process in a flexible and innovative manner, especially to large-scale projects.

Objectives

1. Analyze and describe an organization in systems terms.
2. Compare and contrast ISD models in terms of their appropriateness for a given set of education or training development requirements.
3. Prepare a plan for conducting a front-end analysis that covers needs assessment, learner analysis, and environmental analysis.
4. Conduct a job/task analysis for a portion of a job and determine what tasks, skills, attitudes, and areas of knowledge require training.
5. Describe similarities and differences in concepts and techniques for performance objectives and sequencing instruction.
6. Produce an ISD process that is tailored to the education and training requirements of a specific organization.

Grading

Each assignment has a given number of points. These accumulate during the semester. On any given assignment or on any accumulation of points, 90-100% of the available points is an A, 80-89.9% of the available points is a B, and 70-79.9% of the available points is a C. Anything less than 70% will require a conference with the instructor to determine the problem and solution. A criterion referenced approach is used. Work that meets all the standards is considered to be B *or* B+ work. An A is earned for work that has a measure of excellence and exceeds the basic standards in some respects.

Assignments

The semester begins with a system analysis exercise and ends with your term project which requires the development of an instructional systems development model. In between are three assignments related to the assigned readings and related topics.

Systems Exercise: Analyze and diagram the system structure of an organization. (15%)

Front-End Analysis Proposal: Prepare a plan for an analysis that includes needs assessment, learner analysis, and environmental analysis. (15%)

Analysis Exercise : Report the results of a job task analysis for all or part

of a job. (20%)

Design Concepts Paper : Compare and contrast different approaches to representing several design concepts and procedures. (I 5%)

ISD Model Development: Design an ID process model that fits a context of your choosing, preferably one in which you work or expect to work. Documentation for the model should specify various states through which a course development project would progress and describe the development team or developer activities at each stage. The documentation (maximum of 20 pages plus appendices) should include a general rationale and recommend tools, instruments, and procedures for each facet of the model. Explanations and rationales for the various components of the model and the methods of staffing it should include liberal references to the text and to supplementary material. A more complete description of this assignment will be distributed. (30%)

Class Participation: Several learning activities are conducted in class and do not require out-of-class assignments but do require attendance or makeup assignments. Also, on the last day of class, you will give a brief presentation of the highlights of your ISD Model Development Project. (5%)