

ETEC COURSE TO AECT STANDARDS ALIGNMENT

DESIGN

Instructional design is the systematic approach to designing educational/instructional systems, materials, and processes, including analyzing, designing, developing, implementing, and evaluating.

	600	601	602	603	687	690	750B	Electives	Masters Project/Paper	Portfolio
1) <u>Analyzing</u> processes, such as needs assessment to determine learner characteristics and the context in which learning takes place.	X			X	X			X	X	
2) <u>Designing</u> messages using visual design and relevant learning theories.			X	X			X	X	X	X
3) <u>Developing</u> by selecting and applying various instructional strategies to match relevant learning domains, context, and learner characteristics.			X	X	X		X	X	X	X
4) <u>Implementing</u> by trying out systems, materials, and processes in authentic settings.			X		X			X	X	
5) <u>Evaluating</u> and revising through use of formative and summative processes to ensure that systems, materials, and processes created are improved until they are successful.				X	X	X			X	

DEVELOPMENT

Development is the demonstration of knowledge, skills, and dispositions to develop instructional materials and experiences using print, audiovisual, computer-based, and integrated technologies.

	600	601	602	603	687	690	750B	Electives	Masters Project/Paper	Portfolio
1) Developing print technologies, “such as books and static visual materials primarily through mechanical or photographic printing processes.”				X				X		
2) Developing audiovisual technologies “by using mechanical devices or electronic machines to present auditory and visual messages.”			X		X			X		X
3) Developing computer-based technologies “by using microprocessor-based resources.”			X					X		X
4) Developing integrated technologies “which encompass several forms of media under the control of a computer.”			X					X		X

UTILIZATION

Utilization is the application of principles and theories of media utilization, diffusion, implementation, and policymaking.

	600	601	602	603	687	690	750B	Electives	Masters Project/Paper	Portfolio
1) Using <u>media</u> systematically as resources for learning.	X	X	X		X	X		X	X	X
2) <u>Diffusing innovations</u> , that is, “communicating through planned strategies for the purpose of gaining adoption...with an ultimate goal of bringing about change.”	X		X					X		
3) <u>Implementing</u> , that is “using instructional materials or strategies in real (not simulated) settings,” and “ <u>institutionalizing</u> , that is routinely and continually using “instructional innovation in the structure and culture of an organization.”			X					X		
4) <u>Using policies and regulations</u> , that is “the rules and actions of society...that affect the diffusion of Instructional Technology.”	X							X	X	

MANAGEMENT

Management is defined as the “knowledge, skills, and ...[attitudes] to plan, organize, coordinate, and supervise instructional technology by applying principles of 1) project, 2) resource, 3) delivery system, and 4) information management.”

	600	601	602	603	687	690	750B	Electives	Masters Project/Paper	Portfolio
1) Managing <u>projects</u> in instructional design and development.	X			X	X			X	X	X
2) <u>Managing resource support systems and services</u> , such as budgeting, supplies, scheduling, facilities, and resources.	X							X	X	
3) <u>Managing the distribution/delivery</u> of instructional materials, hardware/software, technical support, and user guidelines.	X				X			X	X	
4) <u>Managing information</u> to provide resources for learning, such as diverse information sources and formats.		X	X					X		

EVALUATION

Evaluation is defined as the “knowledge, skills, and dispositions to evaluate the adequacy of instruction and learning by applying principles of 1) problem analysis, 2) criterion-referenced measurement, 3) formative and summative evaluation, and 4) long-range planning.”

	600	601	602	603	687	690	750B	Electives	Masters Project	Portfolio
1) <u>Analyzing problems</u> , that is determining the nature and parameters of problems.	X	X			X		X	X	X	X
2) Determining learner mastery of pre-specified content using <u>criterion-referenced measurement</u> .				X				X		
3) <u>Formatively and summatively evaluating</u> to gather information on adequacy and using it as a basis for further development, as well as for making decisions about utilization				X				X		
4) <u>Long-range planning</u> to decide in the present what must be done to ensure organizational success in the future.	X							X	X	

Note. Source for descriptions of domains: Accreditation Committee (2001), [*What are the initial standards?*]. Retrieved April 8, 2003, from the Association for Educational Communications and Technology via <http://www.aect.org/standards/initstand.html>