

AECT Standards

Domain

Artifact

Design:

Candidates demonstrate the knowledge, skills, and dispositions to design conditions for learning by applying principles of instructional systems design, message design, instructional strategies, and learner characteristics.

“Design is the process of specifying conditions for learning” (Seels & Richey, 1994, p. 30).

<p>1.1 Instructional Systems Design:</p> <p>Instructional Systems Design (ISD) is an organized procedure that includes the steps of analyzing, designing, developing, implementing, and evaluating instruction.</p>	<p>Subdomain 1.1c: EdTech 504: The Intersection of Educational Theory and the Practice of Instructional Design</p> <p>Subdomain 1.1.1c: EdTech512: TOAB.</p>
<p>1.2 Message Design:</p> <p>Message design involves planning for the manipulation of the physical form of the message.</p>	<p>Subdomain 1.2a: EdTech 506: Flow Chart</p> <p>Subdomain 1.2a: EdTech 506: Visual Composition Tips</p>
<p>1.3 Instructional Strategies:</p> <p>Instructional strategies are specifications selecting and sequencing events and activities within a lesson.</p>	<p>Subdomain 1.3a: EdTech503: Topic Declaration.</p> <p>Subdomain 1.3.a Ed Tech 522: Facilitated Chat Topics/ Elluminate Reflections</p> <p>Subdomain 1.3b: EdTech 502: Macro Photography Jigsaw Activity</p> <p>Subdomain 1.3d: EdTech 502: Autism Spectrum disorder Webquest</p>
<p>1.4 Learner Characteristics:</p> <p>Learner characteristics are those facets of the learner’s experiential background that impact the effectiveness of a learning process.</p>	<p>Subdomain 1.4a: EdTech 512: Project Analysis for WBID project.</p> <p>Subdomain 1.4c: EdTech 505: Evaluation of “Response to a Solo Performance Unit</p>

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Development:

Candidates demonstrate the knowledge, skills, and dispositions to develop instructional materials and experiences using print, audiovisual, computer-based, and integrated technologies.

“Development is the process of translating the design specifications into physical form” (Seels & Richey, 1994, p. 35).

<p>2.1 Print Technologies:</p> <p>Print technologies are ways to produce or deliver materials, such as books and static visual materials, primarily through mechanical or photographic printing processes.</p>	<p>Subdomain 2.1.1: Documentary Photojournalism: Syllabus.</p> <p>Subdomain 2.1.2: EdTech 506: Figure Ground Project (Anti-Smoking)</p> <p>Subdomain 2.1.3 Professional Products: Powerpoint for Global Financial Consulting</p>
<p>2.2 Audio Visual Technologies:</p> <p>Audiovisual technologies are ways to produce or deliver materials by using mechanical devices or electronic machines to present auditory and visual messages.</p>	<p>Subdomain 2.2.1: EdTech 513: Segmentation Principle</p> <p>Subdomain 2.2.3 EdTech 522: Partner Lesson Tutorial.</p> <p>Subdomain 2.2.3: Professional Product: Final Cut Pro Video</p> <p>Subdomain 2.2.4: EdTech 512: EdTech Showcase Presentation.</p>
<p>2.3 Computer-Based Technologies:</p> <p>Computer-based technologies are ways to produce or deliver materials using microprocessor-based resources.</p>	<p>Sudomain2.3.1: EdTech512: The Teacher’s (Multimedia) Toolbox.</p> <p>Subdomain 2.3.3: EdTech 511: Digital Camera Basics/ Menu Tutorials.</p>
<p>2.4 Integrated Technologies:</p> <p>Integrated technologies are ways to produce and deliver materials which encompass several forms of media under the control of a computer.</p>	<p>Subdomain 2.4.1: EdTech 511: Flash project/ African Americans in WWII.</p> <p>Subdomain 2.4.5: Paul Desmarais Photography Web Site.</p> <p>Subdomain 2.4.5: EdTech 502: Virtual Field Trip.</p> <p>Subdomain 2.4.5: Professional Product: Paul Desmarais Photography Site</p>

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Utilization:

Candidates demonstrate the knowledge, skills, and dispositions to use processes and resources for learning by applying principles and theories of media utilization, diffusion, implementation, and policy-making.

“Utilization is the act of using processes and resources for learning” (Seels & Richey, 1994, p. 46).

<p>3.1 Media Utilization:</p> <p>Media utilization is the systematic use of resources for learning.</p>	<p>Subdomain 3.1.1 EdTech 512: Initial Course Design Plan.</p> <p>Subdomain: 3.1.2 EdTech 502: Macro Photography Jigsaw Activity.</p> <p>Subdomain: 3.1.2 EdTech 513: Worked Examples.</p>
<p>3.2 Diffusion of Innovations:</p> <p>Diffusion of innovations is the process of communicating through planned strategies for the purpose of gaining adoption.</p>	<p>Subdomain 3.2.1 EdTech 501: Digital Divide Memo.</p> <p>Subdomain 3.2.2 Professional Products: Blackboard for Documentary Photojournalism and BUS305.</p>
<p>3.3 Implementation and Institutionalization:</p> <p>Implementation is using instructional materials or strategies in real(not simulated) settings. Institutionalization is the continuing, routine use of the instructional innovation in the structure and culture of an organization.</p>	<p>Subdomain 3.3.1: EdTech 522: Voicethreads Photography Lesson.</p> <p>Subdomain 3.3.2: EdTech 02: Nettiquette Lesson.</p>
<p>3.4 Policies and Regulations</p> <p>Policies and regulations are the rules and actions of society (or its surrogates) that affect the diffusion and use of Instructional Technology.</p>	<p>Subdomain 3.4.4: EdTech 501: Technology Use Plan</p> <p>Subdomain 3.4.3 EdTech 502: Copyright & Fair Use Scavenger Hunt</p>

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Management:

Candidates demonstrate knowledge, skills, and dispositions to plan, organize, coordinate, and supervise instructional technology by applying principles, theories and research related to project, resource, delivery system, and information management.

“Management involves controlling Instructional Technology through planning, organizing, coordinating, and supervising” (Seels & Richey, 1994, p. 49).

4.1 Project Management:

Project management involves planning, monitoring, and controlling instructional design and development projects.

Subdomain 4.1.1:

Professional Product: Development of BUS305 for The College of Westchester

Subdomain 1.1.1c:

EdTech 503: Final Project/ Introduction to Photography

4.2 Resource Management:

Resource management involves planning, monitoring, and controlling resource support systems and services.

Subdomain 4.2.3:

EdTech 505: Introduction to Theatre Studies Evaluation/ (Evaluation Budget)

Subdomain 4.2.4

EdTech 502: Interactive Image Map

4.3 Delivery System Management:

Delivery system management involves planning, monitoring and controlling ‘the method by which distribution of instructional materials is organized’ . . . [It is] a combination of medium and method of usage that is employed to present instructional information to a learner.

Subdomain 4.3.1:

EdTech 511: Proposal for Digital Camera Basics

Subdomain 4.3.1:

EdTech 512: The Teacher’s (Multimedia) Toolbox Moodle Site

4.4 Information Management:

Information management involves planning, monitoring, and controlling the storage, transfer, or processing of information in order to provide resources for learning.

Subdomain 4.4.1:

EdTech 504: Annotated Bibliography/ Intersection of Theory and Design

Subdomain 4.4.2:

EdTech 512: The Teacher’s (Multimedia) Toolbox Gantt Chart

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Evaluation:

Candidates demonstrate knowledge, skills, and dispositions to evaluate the adequacy of instruction and learning by applying principles, theories, and research related to problem analysis, criterion-referenced measurement, formative and summative evaluation, and long-range planning...

“Evaluation is the process of determining the adequacy of instruction and learning” (Seels & Richey, 1994, p. 54).

5.1 Problem Analysis:

Problem analysis involves determining the nature and parameters of the problem by using information-gathering and decision-making strategies.

Subdomain 5.1c:

EdTech 512: The Teacher’s (Multimedia) Toolbox (Problem Analysis)

Subdomain 5.1.1c:

EdTech 522: Course Comparison

5.2 Criterion-Referenced Measurement:

Criterion-referenced measurement involves techniques for determining learner mastery of pre-specified content.

Subdomain 5.2a:

EdTech 511: Digital Knowledge Quiz

Subdomain 5.2a:

Professional Product: Current Events Survey for FA 3273

Subdomain 5.2a

EdTech 506: Visual Literacy Quiz.

Subdomain 5.2a

Professional Product: BUS305 Rubric

5.3 Formative & Summative Evaluation:

Formative evaluation involves gathering information on adequacy and using this information as a basis for further development. Summative evaluation involves gathering information on adequacy and using this information to make decisions about utilization.

Subdomain 5.3a

EdTech 505: Evaluation of Courseware: Far West Labs

Subdomain 5.3a:

Professional Product: Post Instructional Survey BUS305

Subdomain 5.3.

EdTech 512: Summative Evaluation Plan

5.4 Long-Range Planning:

Long-range planning that focuses on the organization as a whole is strategic planning....Long-range is usually defined as a future period of about three to five years or longer. During strategic planning, managers are trying to decide in the present what must be done to ensure organizational success in the future.

Subdomain 5.4.1

EdTech 501: Technology Plan Critique