



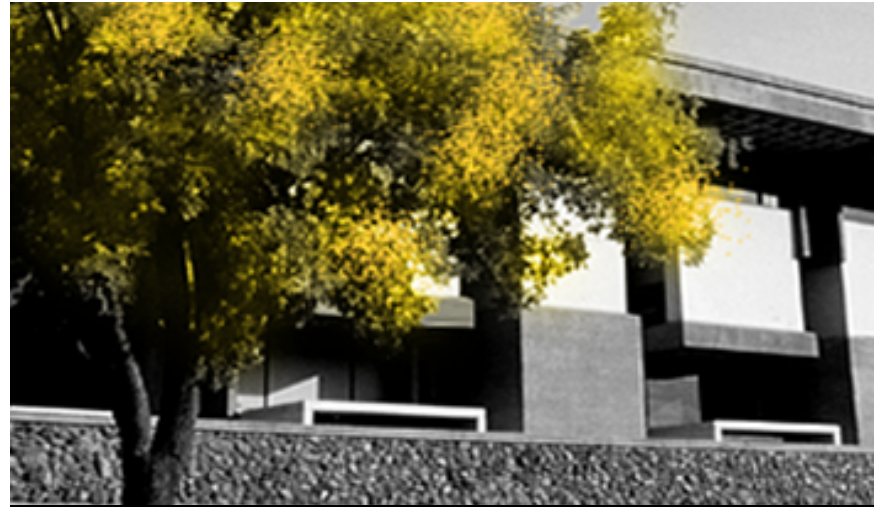
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Need and Know-How: The Perfect Partnership in Creating Tools for Distance Students



University of Northern Colorado
University Libraries



LIBRARY SERVICES FOR PHD STUDENTS IN NURSING

Presented by
Dan Lawrence, Instruction Librarian, University of Northern Colorado
Stephanie Wiegand, Reference Librarian, University of Northern Colorado

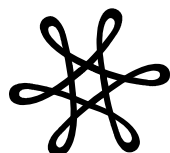
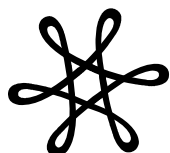
Colorado Association of Libraries
Annual Meeting
Saturday, November 12, 2005

Fear of Libraries... And Learning to Research with Confidence

Self-Efficacy

Self-efficacy, or a person's belief that he or she can succeed at a given task, affects four aspects of a person's behavior: choice of activities, the goals they set, how much they will persist at an activity, and how much they will learn.

- 1. Choice of Activities:** People are more likely to engage in a behavior if they believe they are capable of succeeding at it. In research, as in most things, people tend to take the path of least resistance. If a student believes they can be successful at online library research, they are more likely to use the library.
- 2. Goals:** If people have a high self-efficacy in something they are more likely to set higher goals for themselves. If an assignment requires a student to find five sources, students can set a goal of finding five good sources, such as journal articles or book chapters rather than five web pages.
- 3. Effort and Persistence:** Library research requires persistence. A person with high self-efficacy in the research process is more likely to exert effort and persist despite obstacles such as "0 results" if they believe they will eventually succeed.
- 4. Learning and Achievement:** Research indicates that students who believe they can do something, do better at it than students who do not enjoy that confidence.



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Creating the Connection

Video Production

Pre-Production

- Storyboarding and script
- Location scouting/planning
- Lining up "talent"
- Organize equipment (checklist)
 - Camera: digital video recorder (Mini DV)
 - Camera support: tripod and head
 - Microphone: built-in and lapel
 - Lighting: clip-on utility lights

Production

- Lighting
- Audio (ambient noise, sound effects and spoken dialogue)
- Filming

Post-Production

- Editing



Photo courtesy Conrados and Stock.XCHNG.

The Students

In 2004 the University of Northern Colorado's School of Nursing began a new doctoral program. The program is centered around the fact that the shortage in nurses in this country is partially caused by a shortage of nurse educators. But most nurses are not able to relocate to continue their education, so at UNC, the education is going to them - online.

They dynamics of this population is different than many doctoral programs. Here are a brief insight to this demographic:

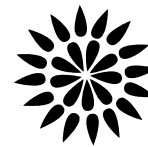
Nursing Doctoral Students

Nationally (Kenty, 2000)

- most are married
- most work full time
- most are not tenured
- most are between the ages of 26 and 66
- have been pursuing this degree from 1 to 15 years

UNC

- most are working full time and teaching with their masters degree
- between the ages of 24 and 57
- average age is 45
- currently living and working in Colorado, Wyoming, Oklahoma, Utah, Illinois, Ohio, Nebraska, Iowa, Tennessee, Wisconsin, Washington, New Jersey, Florida, or Alaska
- most are working full time and teaching



Nurses are caregivers, and much like librarians, come from a helping profession. The attitudes embodied by caregivers are, for the librarian assisting the nursing doctoral student, a double-edged sword. Nursing students are often thrilled and astounded that someone is willing to help them and very thankful and appreciative for each encounter with a librarian. Yet these students, through their careers as nurses, have become accustomed to being the helper instead of the one receiving assistance, so often do not ask when they need help.

analyze → design → develop → implement → evaluate

Instructional Design Model

ADDIE

ADDIE	Sample Tasks	Sample Output
Analyze the process of defining what is to be learned	<ul style="list-style-type: none"> Needs assessment Problem Identification Task analysis 	<ul style="list-style-type: none"> Learner profile Description of constraints Needs, problem statement Task analysis
Design the process of specifying how it is to be learned	<ul style="list-style-type: none"> Write objectives Develop test items Plan instruction Identify resources 	<ul style="list-style-type: none"> Measurable objectives Instructional strategy Prototype specifications
Develop the process of authoring and producing the materials	<ul style="list-style-type: none"> Work with producers Develop workbook, flowchart, program 	<ul style="list-style-type: none"> Storyboard Script Exercises Computer-assisted instruction
Implement the process of installing the project in the real world context	<ul style="list-style-type: none"> Teacher training Tryout 	<ul style="list-style-type: none"> Student comments, data
Evaluate the process of determining the adequacy of the instruction	<ul style="list-style-type: none"> Record time data Interpret test results Survey graduates Revise activities 	<ul style="list-style-type: none"> Recommendations Project report Revised prototype

Source of Table: McGriff, S. J. (1990). Instructional system design (ISD): Using the ADDIE mode. Retrieved October 24, 2005 from <http://www.personal.psu.edu/faculty/sj/sjm256/portfolio/kbase/IDD/ADDIE.pdf>

Software Used in This Project

Price
With/Without
Educational Discount

Video Editing

Adobe® Premiere® Pro 1.5

\$249/\$699
(free 30 day trial)

Still Photo Panning Effects

Microsoft Photostory 3

free download

Tutorials

Macromedia Captivate

\$199/\$499

Product Packaging

Roxio® Easy CD & DVD Creator™ 6
(now Easy Media Creator 8)

\$99.00

Tutorial Software Comparisons

Macromedia Captivate (formerly RoboDemo) **\$199/\$499**

<http://www.macromedia.com/software/captivate/>

Benefits

- Automatically generates text captions during recording
- Best suited to software/computer-based training and instruction

Drawbacks

- Doesn't do true onscreen video captures (will allow true video capture but will not include text captioning, editable mouse motion, etc.)

Techsmith Camtasia

\$149/\$299

<http://www.techsmith.com/products/studio/>

Benefits

- Excellent onscreen video capture
- Works well with PowerPoint

Drawbacks

- Only allows multiple choice assessments

Qarbon ViewletBuilder
w/ViewletCam

\$159/\$299

\$248/\$398

<http://www.qarbon.com/presentation-software/viewletbuilder/>

Benefits

- Smaller file sizes
- Works on Mac and Linux operating systems

Drawbacks

- Requires ViewletCam to allow onscreen video captures