NURSING CAI DEVELOPMENT WORKSHOP

Susan J. Grobe, R.N., Ph.D.
University of Texas at Austin, School of Nursing

ABSTRACT

The purpose of this workshop is to examine and discuss the three major steps in developing CAI programs on nursing. Included are: definition of nursing content; selection of instructional design; and decisions for implementing and evaluating the instructional materials.

The purpose of the presentation is to describe the process of developing CAI materials for nursing education. A multidisciplinary approach using instructional design personnel, coders and programmers, evaluation personnel and nursing content specialists will be described as the most desirable approach for the development of quality nursing instructional materials.

A top-down approach will be described & used to map out and explain the variety of instructional and content decisions which must occur in the production of nursing CAI materials. Instructional design concerns to be discussed include how to establish and decide on what is to be taught based on the conduct of an analysis of a needs assessment.

Following this needs assessment, both learner and setting characteristics will be examined in order to identify available resources and any constraints which may be present in either the development or the learning settings. Examples of defining content boundaries and performing a task analysis in order to formulate goals, state objectives, and refine the instructional program will be provided. A variety of ways for organizing and sequencing instruction will be discussed, along with descriptions and examples of criteria for selecting the most appropriate instructional strategies and activities. Evaluative activities related to formative, summative and overall project development activities will be described.

Specific nursing content decisions based primarily on the priorities established in the needs assessment and on their potential for success in the instruction will be emphasized. A clearly defined area of nursing content and behaviors which serve as a basis for an initial description and design of instruction will be used to emphasize content and instructional design perspectives. Following analysis of these examples, appropriate alternative instructional strategies will be illustrated serving as a repertoire of instructional possibilities.

Finally, the sequence of implementation activities will be described. Coding and programming decisions, time planning and development monitoring and management strategies will be discussed. A sample of evaluative activities, resources for information about design, development and evaluation protocols will conclude the presentation.

Presenter:

Susan J. Grobe, R.N., Ph.D.
Associate Professor
CAI Project Director
School of Nursing
The University of Texas at Austin
Austin, Texas 78701
(512) 471-7311


