

Surgical Technology Capstone Project

Capstone Definition

Capstone courses give students experience solving a substantial problem using concepts that span several topic areas...Students must work together in teams ...define a problem, develop a solution plan, produce and demonstrate an artifact that solves the problem, and present their work using written and oral reports.¹

Capstone Project Properties

Project Assignment Requires:

- Students working in assigned groups for 3 quarters of the year for completion
- Applies information and concepts from different aspects of Surgical Technology and Information Literacy
- Students to present their work using formal oral presentations and written reports
- Students demonstrate their work through mock surgical procedures

Purpose and Goals of this Assignment

The purpose of this project is multifaceted. Using a variety of methods, the student will be able to experience learning through a variety of senses. Assembly of the anatomical model will enhance written information of anatomy and physiology through visualization. Continuing education and public presentation are requirements of hospitals and the Association of Surgical Technologists. Through the use of various resources, such as information technology, computer software programs, and research materials, the student will become comfortable with compiling and completing a multimedia presentation. Presentation of a mock surgery, including all intraoperative aspects, increases the student's comfort level in the surgical arena by repetitive enactment and visualization. As integral parts of professional development it is necessary to be comfortable with multi media presentation, use of technical equipment and the utilization of appropriate resources. With the use of multiple phases within the project, it will be necessary to demonstrate teamwork and cooperation as exhibited within a professional setting. Critical thinking skills, research, time management and organizational skills used in all the processes of this project are valuable for future use within employment and /or educational settings.

Expectations

Following the Information Literacy class provided by the Health and Behavior Science's Librarian, Debra Kakuk, detailed assignments broken down into quarterly and weekly segments will be distributed to the students. The current date for the Information Literacy class is February 1, 2005 from 12:00 pm until 2:00 pm located in library classroom 2050. At that time, assessment and the grading scale will be discussed as well. Until that time, group module assignments will be given. Groups are encouraged to begin meeting to look over their model and initiate painting and assembly. For any questions relevant for now, please do not hesitate to talk to the instructors.

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¹ Web Site (Non-Specific Article Type)

Capstone Definition. (n.d.). Retrieved January 23, 2005, from University of Washington Computer Science & Engineering Web site: <http://www.cs.washington.edu/education/ugrad/current/Capstone.html>