

LINN BENTON COMMUNITY COLLEGE
CURRICULUM REVIEW: FEBRUARY 5, 2016

Course Name

CAT 231 "Patient Care and Assistance for CT"

Percentage of Materials that are Open Educational Resource

Approximately 100% of course materials have been created by Linn Benton so the material is considered OER.

Course Outcomes and Assessments Used

CAT 231 has three learning outcomes:

1. Describe Computer Tomography practice standards.
2. Provide appropriate patient care to Computed Tomography patients.
3. Evaluate and assess Computed Tomography patients.

The CAT 231 course is divided into credit units. The first credit unit covers general patient care and assessment principles, and includes four modules, with each module assessing competency through testing that requires the student to successfully demonstrate knowledge.

The first module covers patient services, including scheduling an appointment, screening prior to the appointment and obtaining medical history. The second module covers patient interactions such as educating the patient, gaining consent, and using immobilization techniques. The third module builds on patient issues by covering patient monitoring and managing accessory devices. The fourth module discusses proper lab values for a patient along with common medications management. All modules assess the student's knowledge of concepts through applied exercises where students must demonstrate knowledge and skills learned. Modules have "self-check" points, which are quizzes that contain questions tied to class materials. A final assessment at the end of the four modules comprehensively evaluates the student's competency and understanding of all concepts through a written quiz.

The second credit unit contains six modules, which concentrate on injections, contrasts and procedures. The first module provides an introduction to contrasts. The second module addresses different contrast considerations. The third module continues discussion of contrasts and focuses on administering the contrast and appropriate dosage. The fourth module teaches about venipuncture. The fifth module moves to the issue of injections and discusses differences between manual and power injectors. The sixth module concludes discussion by covering patient post-procedure care, including how to handle adverse reactions. All modules assess the student's knowledge of concepts through exercises that promote the application of relevant concepts. Modules have "self-check" points, which are quizzes that contain questions tied to class materials. A final assessment at the end of the six modules comprehensively evaluates the student's competency and understanding of all concepts through administration of a quiz.

The third credit unit contains two modules that concentrate on radiation dosage issues. The first module provides an introduction to radiation dosage. The second module focuses on reducing

radiation dosage and patient protection issues. All modules assess the student's knowledge of concepts through exercises that promote the application of relevant concepts. Modules have "self-check" points, which are quizzes that contain questions tied to class materials. A final assessment at the end of the two modules comprehensively evaluates the student's competency and understanding of all concepts through administration of a quiz.

All modules have assessments that require the student to demonstrate proficiency of the concepts taught in the modules. Proficiency is demonstrated through application of knowledge utilizing quizzes that include concepts taught in lessons and through exercises. A final assessment at the end of the modules comprehensively evaluates the student's competency and understanding of all concepts through administration of a final quiz.

Teaching Methods

CAT 231 is taught online. Teaching methods include the use of readings, videos and practice exercises that students can conduct on their own time.

Industry Standards and the Course

The CAT 231 course is not designed to embed particular industry standards; however, relevant medical concepts are integrated into the curriculum.