

MIT 515: Web Teaching: Design and Development

Orientation to Pulmonary Rehabilitation

Evaluation Rubric

Context and Conditions

Orientation to Pulmonary Rehabilitation was the project completed for MIT 515: Web Teaching: Design and Development. Dr. Jennifer Summerville was the instructor for this course taken in the spring of 2007. Students were required to create a complete on-line course, using instructional design principles.

The project, *Orientation to Pulmonary Rehabilitation*, was designed as an on-line course for personnel who were new to the field of Pulmonary Rehabilitation without the clinical background of a nurse or respiratory therapist. The course presented basic information regarding normal breathing, chronic lung disease, medications, activities of daily living and breathing control techniques.

The project was completed individually, as I designed and developed the format and its content. The class was completed within a semester.

Scope

MIT 515 required the student to work individually to design and develop all aspects of an online class to be delivered using the Blackboard Vista learning management system. My design included seven weekly modules, addressing the topic areas of healthy lungs, breathing control techniques, oxygen, COPD, asthma, restrictive lung disease and respiratory inhalers. Each module included objectives, readings, case studies and quizzes. The students were to read each weekly assignment, take the quiz and work together to discuss and review the case study. Each case study involved aspects of care for a chronic lung patient in regard to the weekly module topic. Job aides in the form of an inhaler review sheet and a shortness of breath questionnaire were also created for resource information.

Role

As the project was individual, I worked as designer and developer for this project. I also served as subject matter expert due to my years of experience within the field of pulmonary rehabilitation. For each weekly module, I designed and developed the objectives, the content, the case studies, the quizzes and the handouts for the readings. I provided links in the course to additional website resources to support and expand the material presented in the weekly readings.

Reflection

This project provided me with first hand experience into the multitude of information and tasks related to designing and developing a fully online course hosted in the Blackboard learning management system. I initially had difficulty with the technical aspects of loading documents

and graphics into the Blackboard system, however, learned much from the experience which should serve me well in future endeavors of this kind. I am very proud of the completed product which required the implementation of many of the instructional design principles presented in this and other classes taken in my graduate studies.