New Course Request

Check Appropriate Boxes: Undergraduate credit ☑ Graduate credit ☐ Professional credit ☐

1. School/Division: College of Health and Human Services
2. Academic Subject Code: 
3. Course Number: RADX-R206 (must be cleared with University Enrollment Services)
4. Instructor: Radiography faculty
5. Course Title: Advanced Patient Care in Medical Imaging

Recommended Abbreviation (Optional): Advanced Patient Care
(Limited to 32 Characters including spaces)

6. First time this course is to be offered (Semester/Year): Fall 2012

7. Credit Hours: Fixed at 2 or Variable from to

8. Is this course to be graded S-F (only)? Yes ☐ No X

9. Is variable title approval being requested? Yes ☐ No X

10. Course description (not to exceed 50 words) for Bulletin publication: Advanced concepts in patient care including the identification of physical and psychological needs of the patients through assessment, patient education, routine and emergency care procedures and pharmacology. Contrast media, indication, contraindications and adverse reactions will be explored. Response to medical emergency will be simulated in lab setting.

11. Lecture Contact Hours: Fixed at 2 or Variable from to

12. Non-Lecture Contact Hours: Fixed at or Variable from to

13. Estimated enrollment: 20 of which 0 percent are expected to be graduate students.

14. Frequency of scheduling: once a year Will this course be required for majors? Yes

15. Justification for new course: content currently taught in other courses combined and expanded to meet professional curriculum

16. Are the necessary reading materials currently available in the appropriate library? Yes

17. Please append a complete outline of the proposed course, and indicate instructor (if known), textbooks, and other materials.

18. If this course overlaps with existing courses, please explain with which courses it overlaps and whether this overlap is necessary, desirable, or unimportant

19. A copy of every new course proposal must be submitted to departments, schools, or divisions in which there may be overlap of the new course with existing courses or areas of strong concern, with instructions that they send comments directly to the originating Curriculum Committee. Please append a list of departments, schools, or divisions thus consulted.

Submitted by: Ann M. Oberweller
Date: 2/11/11

Dean of Graduate School (when required)

Approved by:
Date: 

Dean
Date:

Chancellor/Vice-President
Date:

University Enrollment Services

After School/Division approval, forward the last copy (without attachments) to University Enrollment Services for initial processing, and the remaining four copies and attachments to the Campus Chancellor or Vice-President.

University Enrollment Services Final-White, Chancellor/Vice-President-Blue, School/Division-Yellow,
Department/Division-Pink, University Enrollment Services Advance-White
Course Number: RADS-R206

Course Title: Advanced Patient Care in Medical Imaging

Credit Hours: 2 credit hours

Instructor: Lisa Schaefer

Course Description: Advanced concepts in patient care including the identification of physical and psychological needs of the patient through proper assessment, patient education, routine and emergency patient care procedures, and pharmacology. Contrast media, indications, contraindications and adverse reactions will be explored. Response to medical emergency will be simulated in lab setting.

Pre-requisite: RADS 103 or equivalent

Text:

COURSE GOALS AND OBJECTIVES: By the end of the semester, the student will:

1. Given a clinical simulation, demonstrate the assessment and evaluation of the physical and psychological needs of the patient including the identification of patient safety requirements with special emphasis on procedures requiring invasive techniques and contrast media administration.

2. Identify the transmission-based precautions for specific diseases and type of protective barriers and proper precautionary techniques for radiographer and patient safety

3. Explain the concepts of oxygen administration and indications for hypoxia.

4. Discuss the purpose and maintenance of different types of tubes, catheters, tissue drains, and IVs.

5. Describe the basic concepts of pharmacology including nomenclature, classifications and drugs.

6. Identify contrast media and other pharmaceuticals commonly utilized in Medical Imaging.

7. Describe indications, contraindications and possible adverse reactions for contrast media.

8. Describe the purpose for and possible adverse reactions to drugs located in the emergency drug cart.

9. Calculate appropriate amounts of pharmaceuticals needed in a given situation based on patient age, weight, physical condition and manufacturer recommendations.


12. Given a contrast media reaction situation, within a set time limit and at the proper time, demonstrate the following skills:

   a. Assess patient’s need for treatment
   b. Monitor vital signs
   c. Operate oxygen equipment
   d. Operate suction equipment
   e. Perform guidelines for Surgical Asepsis
   f. Locate drugs and accessory items from Emergency Drug Cart
   g. Operate EKG monitor and lead placement
   h. Operate defibrillator and paddle placement

COURSE OUTLINE:

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