



**NORTH CAROLINA COMMUNITY COLLEGE SYSTEM**  
***H. Martin Lancaster, President***

February 25, 2005

**RESPONSE DEADLINE: March 7, 2005**

MEMORANDUM

TO: Select Chief Academic Officers

FROM: Delores A. Parker, Vice President  
Academic and Student Services

SUBJECT: Requested Revision in Common Course Library Course

The System Office has received a request from two different community colleges to revise the following course contained in the Common Course Library:

**RAD 231 Radiographic Physics II**

Note that this is the second request for a revision to RAD 231 Radiographic Physics II. After the first request went out for vote, a conflicting revision request was received from another college. The two colleges have successfully collaborated on the attached revision request. This revision request and vote supercedes any previous results.

Attached are forms requesting your approval or disapproval of the proposed changes. ***Please complete and return the forms to Cathy Franklin-Griffin by March 7, 2005.*** You may fax your response to (919) 807-7164. Once the responses have been received at the System Office, the request will be presented to the Curriculum Review Committee for action at their March meeting.

Thank you for your prompt attention to this matter. If you have questions, please contact Cathy Franklin-Griffin at (919) 807-7120 or [griffinc@nccommunitycolleges.edu](mailto:griffinc@nccommunitycolleges.edu).

DAP/cfg

Attachments

c: Select Presidents  
Darryl McGraw  
Cathy Franklin-Griffin

S05-008  
Email

**Common Course Library Revision Request  
RAD 231 Radiographic Physics II**

**Current Course:**

**RAD 231 Radiographic Physics II**

13002

Prerequisites: RAD 171

Corequisites: RAD 211, RAD 241, RAD 251

This course continues the study of physics that underlie diagnostic X-ray production and radiographic and fluoroscopic equipment. Topics include X-ray production, electromagnetic interactions with matter, X-ray devices, equipment circuitry, targets, filtration, and dosimetry. Upon completion, students should be able to demonstrate an understanding of the application of physical concepts as related to image production.

**Proposed Prerequisites:** RAD 131 or RAD 171

**Proposed Corequisites:** None

**Proposed Course Description:**

This course continues the study of physics that underlie diagnostic X-ray production and radiographic and fluoroscopic equipment. Topics include X-ray production, electromagnetic interactions with matter, X-ray devices, and equipment circuitry. Upon completion, students should be able to demonstrate an understanding of the application of physical concepts as related to image production.

**Rationale of the Two Colleges Requesting Revision:**

- 1) NCCCS radiography program directors met on June 20, 2003, @ Wake Technical in Raleigh to review/revise our curriculum and recommended these changes in course description.
- 2) Course description: "Targets, filtration, and dosimetry" are taught in other courses and therefore, are repetitious in this course.
- 3) Pre-requisites: RAD courses 131 or 171 would be equally valuable for the student to acquire the necessary background to be successful in this course.
- 4) Corequisites were changed to none. The sequencing is more flexible without violating educational soundness.

\_\_\_\_\_ We have reviewed the proposed revision and **recommend** the adoption of this change for RAD 231.

\_\_\_\_\_ We have reviewed the proposed revision and **do not recommend** the adoption of this change for RAD 231 for the following reason(s): \_\_\_\_\_

**College:** \_\_\_\_\_

**Signature of President:** \_\_\_\_\_

**Date:** \_\_\_\_\_

Please return this form by **March 7, 2005** to:

Cathy Franklin-Griffin, Director  
Program Services  
NC Community College System  
5016 Mail Service Center  
Raleigh, NC 27699-5016  
Fax Number: (919) 807-7164