

Course Discipline Code & No: <u>RAD 225</u>		Title: <u>Clinical Education</u>	Effective Term <u>Winter 2010</u>
Division Code: <u>HAT</u>	Department Code: <u>RAD</u>		Org #: <u>15600</u>
Don't publish: ☐ College Catalog ☐ Time Schedule ☐ Web Page			

Reason for Submission. Check all that apply.

☐ New course approval	☐ Reactivation of inactive course
☒ Three-year syllabus review/Assessment report	☐ Inactivation (Submit this page only.)
☒ Course change	

Change information: Note all changes that are being made. Form applies only to changes noted.

☐ Consultation with all departments affected by this course is required. ☐ Course discipline code & number (was _____)* *Must submit inactivation form for previous course. ☐ Course title (was _____) ☒ Course description ☒ Course objectives (minor changes) ☐ Credit hours (credits were: _____)	☒ Total Contact Hours (total contact hours were: <u>360</u>) ☐ Distribution of contact hours (contact hours were: lecture: _____ lab _____ clinical _____ other _____) ☒ Pre-requisite, co-requisite, or enrollment restrictions ☐ Change in Grading Method ☐ Outcomes/Assessment ☐ Objectives/Evaluation ☐ Other _____
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Rationale for course or course change. Attach course assessment report for existing courses that are being changed.

Changes will reflect changes in other classes within the radiography program and changes in the field of radiography.

Approvals Department and divisional signatures indicate that all departments affected by the course have been consulted.

Department Review by Chairperson ☐ New resources needed ☐ All relevant departments consulted		
Print: <u>James N. Skufis</u>	Signature: <u>[Signature]</u>	Date: <u>7/18/09</u>
Faculty/Preparer		
Print: <u>Connie Foster</u>	Signature: <u>[Signature]</u>	Date: <u>7/13/09</u>
Department Chair		
Division Review by Dean ☐ Request for conditional approval		
Recommendation ☒ Yes ☐ No	Signature: <u>[Signature]</u>	Date: <u>7/13/09</u>
	Dean's/Administrator's Signature	
Curriculum Committee Review Recommendation:		
☐ Tabled ☒ Yes ☐ No	Signature: <u>[Signature]</u>	Date: <u>9/24/09</u>
	Curriculum Committee Chair's Signature	
Vice President for Instruction Approval		
	Signature: <u>[Signature]</u>	Date: <u>9/29/09</u>
	Vice President's Signature	
Approval ☒ Yes ☐ No ☐ Conditional		

Do not write in shaded area.

Log File 10/9/09 Ecopy ☐ Banner 10/9 C&A Database 10/9 C&A Log File 10/9/09 Basic skills ☐ Contact fee ☐ KC

Please return completed form to the Office of Curriculum & Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

***Complete ALL sections which apply to the course, even if changes are not being made.**

Course: RAD 225	Course title: Clinical Education

Credit hours: <u>3</u> If variable credit, give range: <u> </u> to <u> </u> credits	Contact hours per semester:	Are lectures, labs, or clinicals offered as separate sections?	Grading options:																				
	<table border="0"> <tr> <td></td> <td><u>Student</u></td> <td><u>Instructor</u></td> </tr> <tr> <td>Lecture:</td> <td><u> </u></td> <td><u> </u></td> </tr> <tr> <td>Lab:</td> <td><u> </u></td> <td><u> </u></td> </tr> <tr> <td>Clinical:</td> <td><u>336</u></td> <td><u>*</u></td> </tr> <tr> <td>Practicum:</td> <td><u> </u></td> <td><u> </u></td> </tr> <tr> <td>Other:</td> <td><u> </u></td> <td><u> </u></td> </tr> <tr> <td>Totals:</td> <td><u>336</u></td> <td><u> </u></td> </tr> </table>		<u>Student</u>	<u>Instructor</u>	Lecture:	<u> </u>	<u> </u>	Lab:	<u> </u>	<u> </u>	Clinical:	<u>336</u>	<u>*</u>	Practicum:	<u> </u>	<u> </u>	Other:	<u> </u>	<u> </u>	Totals:	<u>336</u>	<u> </u>	☐ Yes - lectures, labs, or clinicals are offered in separate sections ☒ No - lectures, labs, or clinicals are offered in the same section
	<u>Student</u>	<u>Instructor</u>																					
Lecture:	<u> </u>	<u> </u>																					
Lab:	<u> </u>	<u> </u>																					
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Practicum:	<u> </u>	<u> </u>																					
Other:	<u> </u>	<u> </u>																					
Totals:	<u>336</u>	<u> </u>																					

*Instructor hours are contractual

Prerequisites. Select one:

☒ College-level Reading & Writing

☐ Reduced Reading/Writing Scores

☐ No Basic Skills Prerequisite

(Add information at Level I prerequisite)

(College-level Reading and Writing is not required.)

In addition to Basic Skills in Reading/Writing:

Level I (enforced in Banner)

Course	Grade	Test	Min. Score	Concurrent Enrollment (Can be taken together)	Corequisites (Must be enrolled in this class also during the same semester)
<u>RAD 217</u>	<u>"C"</u>	<u> </u>	<u> </u>	☐	<u> </u>
☐ and ☐ or <u> </u>	<u> </u>	<u> </u>	<u> </u>	☐	<u> </u>
☐ and ☐ or <u> </u>	<u> </u>	<u> </u>	<u> </u>	☐	<u> </u>
☐ and ☐ or <u> </u>	<u> </u>	<u> </u>	<u> </u>	☐	<u> </u>

Level II (enforced by instructor on first day of class)

Course	Grade	Test	Min. Score
<u> </u>	<u> </u>	<u> </u>	<u> </u>
☐ and ☐ or <u> </u>	<u> </u>	<u> </u>	<u> </u>
☐ and ☐ or <u> </u>	<u> </u>	<u> </u>	<u> </u>

Enrollment restrictions (In addition to prerequisites, if applicable.)

☐ and ☐ or Consent required

☒ and ☐ or Admission to program required

☐ and ☐ or Other (please specify):

Program: Radiography

Please send syllabus for transfer evaluation to:

Conditionally approved courses are not sent for evaluation.

Insert course number and title you wish the course to transfer as.

☐ E.M.U. as

☐ as

☐ U of M as

☐ as

☐ as

☐ as

MASTER SYLLABUS

Course RAD 225	Course title Clinical Education	
Course description State the purpose and content of the course. Please limit to <u>500</u> characters.	This course provides continued structured clinical experience in the application of knowledge and skills for positioning the upper & lower extremities, chest, abdomen, spinal column and skull during contrast studies, surgical procedures, and portable radiography. Students will demonstrate their mastery in the design and operational characteristics of equipment and accessories in diagnostic radiography.	
Course outcomes List skills and knowledge students will have after taking the course. Assessment method Indicate how student achievement in each outcome will be assessed to determine student achievement for purposes of course improvement.	Outcomes (applicable in all sections)	Assessment Methods for determining course effectiveness
	Perform radiographs of the upper and lower extremities, chest, abdomen, spinal column and skull during contrast studies, surgical procedures and portable radiography. Properly use radiographic equipment to obtain diagnostic images.	Radiographic Procedure Evaluation forms. Final Clinical Education Performance Evaluation
Course Objectives Indicate the objectives that support the course outcomes given above. Course Evaluations Indicate how instructors will determine the degree to which each objective is met for each student.	Objectives (applicable in all sections)	Evaluation Methods for determining level of student performance of objectives
	Manipulate the patient and/or body part into the correct position to obtain satisfactory radiographs of the upper and lower extremities, chest, abdomen, spinal column and skull during contrast studies, surgical procedures, and portable radiography.	Utilizing the equipment at the clinical site, students will manipulate the patient and equipment to produce diagnostic images on real patients in the clinical setting.
	Direct the central ray to the appropriate centering point.	Utilizing the equipment at the clinical site, students will center the central ray correctly to produce diagnostic images on real patients in the clinical setting.
	Maneuver tube into detent and other locking positions for taking radiographs of the upper and lower extremities, chest, and abdomen, spinal column, contrast studies, skull, surgical procedures, and portable radiography. Place X-Ray tube at appropriate SID according to procedure.	Utilizing the equipment at the clinical site, students will put equipment into detent lock positions to produce diagnostic images on real patients in the clinical setting. Utilizing the equipment at the clinical site, students will put equipment at the correct SID to produce diagnostic images on real patients in the clinical setting.
List all new resources needed for course, including library materials. None		

MASTER SYLLABUS

Student Materials:

List examples of types		Estimated costs
Texts	<u>The Pocket Rad Tech.</u> Mary J. Hagler. W.B. Saunders Company, 1999.	\$ 42.00
Supplemental reading	Scrubs	31.00
Supplies	White Lab Coat	26.00
Uniforms	WCC ID Badge and WCC Radiography Patch	<u>12.00</u>
Equipment		\$ 111.00 Total
Tools		
Software		

Equipment/Facilities: Check all that apply. (All classrooms have overhead projectors and permanent screens.)

Check level <u>only</u> if the specified equipment is needed for <u>all</u> sections of a course. ☐ Level I classroom Permanent screen & overhead projector ☐ Level II classroom Level I equipment plus TV/VCR ☐ Level III classroom Level II equipment plus data projector, computer, faculty workstation	☒ Off-Campus Sites ☐ Testing Center ☐ Computer workstations/lab ☐ ITV ☐ TV/VCR ☐ Data projector/computer ☐ Other _____
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Assessment plan:

Learning outcomes to be assessed (list from Page 3)	Assessment tool	When assessment will take place	Course section(s)/other population	Number students to be assessed
Perform radiographs of the upper and lower extremities, chest, abdomen, spinal column and skull during contrast studies, surgical procedures and portable radiography.	Radiographic Procedure Evaluation forms	End of Winter 2010 and every three years thereafter	Only one section per year	About 30
Properly use radiographic equipment to obtain diagnostic images.	Final Clinical Education Performance Evaluations	End of Winter 2010 and every three years thereafter	Only one section per year	About 30

Scoring and analysis of assessment:

1. Indicate how the above assessment(s) will be scored and evaluated (e.g. departmentally developed rubric, external evaluation, other). Attach the rubric.

Item analysis of the RAD 225 Final Clinical Education Performance Evaluations and review of the Radiography Program's Radiographic Procedure Evaluation forms.

2. Indicate the standard of success to be used for this assessment.

Ninety-five percent of students enrolled in this course will receive at least 70 of the 80 possible points in the four areas of the Technical Aptitude portion of the Clinical Education Performance Evaluation. Ninety-five percent of students enrolled in this course will have earned their mastery competencies on real patients for radiographs of the upper and lower extremities, chest, abdomen, spinal column and skull during contrast studies, surgical procedures, and portable radiography procedures from their clinical sites as recorded in their Radiographic Procedure Evaluation form.

MASTER SYLLABUS

3. Indicate who will blind-score and analyze the data.

Radiography program faculty

4. Explain the process for using assessment data to improve the course.

Assessment data will be used as part of the documentation required for the Radiography Program's JRCERT accreditation as well as for course assessment. If the above-mentioned standard is not met, the program's department chair and clinical coordinator will review the data and decide which areas of the program's didactic and clinical courses need to be changed or strengthened.