

MASTER SYLLABUS

Course Discipline Code & No: RAD 120 Title: Clinical Education Effective Term Fall 2009  
 Division Code: HAT Department Code: RAD Org #: 15600  
 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.  Total Contact Hours (total contact hours were: \_\_\_\_\_)  
 Course discipline code & number (was \_\_\_\_\_)\*  Distribution of contact hours (contact hours were:  
 \*Must submit inactivation form for previous course. lecture: \_\_\_\_\_ lab \_\_\_\_\_ clinical \_\_\_\_\_ other \_\_\_\_\_)  
 Course title (was \_\_\_\_\_)  Pre-requisite, co-requisite, or enrollment restrictions  
 Course description  Change in Grading Method  
 Course objectives (minor changes)  Outcomes/Assessment  
 Credit hours (credits were: \_\_\_\_\_)  Objectives/Evaluation  
 Other \_\_\_\_\_

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: James N Skufis Signature [Signature] Date: 7/8/09  
 Faculty/Preparer  
 Print: Connie Foster Signature [Signature] Date: 7/13/09  
 Department Chair

Division Review by Dean  
 Request for conditional approval  
 Recommendation  Yes  No [Signature] Date: 7/13/09  
 Dean's/Administrator's Signature

Curriculum Committee Review  
 Recommendation  Tabled  Yes  No [Signature] Date: 9/24/09  
 Curriculum Committee Chair's Signature

Vice President for Instruction Approval  
[Signature] Date: 9/29/09  
 Vice President's Signature  
 Approval  Yes  No  Conditional

Do not write in shaded area.  
 Log File 10/2/09 Copy  Banner 10/2/09 C&A Database 10/8/09 C&A Log File 10/8/09 Basic skills  Contact fee  KC  
7/13/09

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

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

<b>Course:</b> RAD 120	<b>Course title:</b> Clinical Education
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<b>Credit hours:</b> 2 If variable credit, give range: _____ to _____ credits	<b>Contact hours per semester:</b> Student Instructor Lecture: _____ Lab: _____ Clinical: 240 _____ Practicum: _____ Other: _____ <b>Totals:</b> 240 _____	<b>Are lectures, labs, or clinicals offered as separate sections?</b> <input type="checkbox"/> Yes - lectures, labs, or clinicals are offered in separate sections <input checked="" type="checkbox"/> No - lectures, labs, or clinicals are offered in the same section	<b>Grading options:</b> <input type="checkbox"/> P/NP (limited to clinical & practica) <input type="checkbox"/> S/U (for courses numbered below 100) <input checked="" type="checkbox"/> Letter grades
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Prerequisites. Select one:

- College-level Reading & Writing
- Reduced Reading/Writing Scores (Add information at Level I prerequisite)
- No Basic Skills 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 <small>(Can be taken together)</small>	Corequisites <small>(Must be enrolled in this class also during the same semester)</small>
RAD 110	"C -"	_____	_____	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/> and <input type="checkbox"/> or _____	_____	_____	_____	<input type="checkbox"/>	_____
<input type="checkbox"/> and <input type="checkbox"/> or _____	_____	_____	_____	<input type="checkbox"/>	_____
<input type="checkbox"/> and <input type="checkbox"/> or _____	_____	_____	_____	<input type="checkbox"/>	_____

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

Course	Grade	Test	Min. Score
_____	_____	_____	_____
<input type="checkbox"/> and <input type="checkbox"/> or _____	_____	_____	_____
<input type="checkbox"/> and <input type="checkbox"/> or _____	_____	_____	_____

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

- and  or Consent required
- and  or Admission to program required  
Program: \_\_\_\_\_
- and  or Other (please specify): \_\_\_\_\_

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 \_\_\_\_\_

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<p><b>Course</b> RAD 120</p>	<p><b>Course title</b> Clinical Education</p>	
<p><b>Course description</b> State the purpose and content of the course. Please limit to 500 characters.</p>	<p>This course provides structured clinical experience in the application of knowledge and skill in positioning the spinal column, lower extremities, and related anatomy. This course continues the discussion of professional ethics, courtesy and empathy in handling patients, radiation safety, film processing/imaging plate (IP) handling and image archiving, and radiographic equipment.</p>	
<p><b>Course outcomes</b> List skills and knowledge students will have after taking the course.</p> <p><b>Assessment method</b> Indicate how student achievement in each outcome will be assessed to determine student achievement for purposes of course improvement.</p>	<p><b>Outcomes</b> (applicable in all sections)</p> <p>Properly use radiographic equipment to obtain diagnostic images of the spinal column.</p>	<p><b>Assessment</b> Methods for determining course effectiveness</p> <p>Simulation exams.</p>
<p><b>Course Objectives</b> Indicate the objectives that support the course outcomes given above.</p> <p><b>Course Evaluations</b> Indicate how instructors will determine the degree to which each objective is met for each student.</p>	<p><b>Objectives</b> (applicable in all sections)</p> <p>Manipulate the patient and/or body part into the correct position to obtain satisfactory images of the spinal column.</p> <p>Direct the central ray to the appropriate centering point.</p> <p>Maneuver tube into detent and other locking positions for taking images of the spinal column.</p> <p>Place X-Ray tube at appropriate SID according to procedure.</p>	<p><b>Evaluation</b> Methods for determining level of student performance of objectives</p> <p>Utilizing the equipment at the clinical site, students will manipulate the patient and equipment to produce diagnostic images of the spinal column on simulated patients in the clinical setting.</p> <p>Utilizing the equipment at the clinical site, students will center the central ray correctly to produce diagnostic images of the spinal column on simulated patients in the clinical setting.</p> <p>Utilizing the equipment at the clinical site, students will put equipment into detent lock positions to produce diagnostic images of the spinal column on simulated patients in the clinical setting.</p> <p>Utilizing the equipment at the clinical site, students will put equipment at the correct SID to produce diagnostic images of the spinal column on simulated patients in the clinical setting.</p>

List all new resources needed for course, including library materials.

None

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Student Materials:

List examples of types		Estimated costs
Texts	<b>Textbook of Radiographic Positioning and Related Anatomy</b> , Kenneth L. Bontrager, Sixth Edition, The C.V. Mosby Company.	\$ 130.00
Supplemental reading	<b>Pocket Guide to Radiography</b> , 4 <sup>th</sup> edition, Phillip W. Ballinger and Eugene Frank, Mosbey 2003.	33.00
Supplies	Scrub Uniforms	31.00
Uniforms	White Lab Coat	26.00
Equipment	WCC ID Badge and WCC Radiography Patch	<u>12.00</u>
Tools		\$232.00 total
Software		

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

Check level only if the specified equipment is needed for all sections of a course.

<input type="checkbox"/> Level I classroom Permanent screen & overhead projector	<input type="checkbox"/> Level II classroom Level I equipment plus TV/VCR	<input type="checkbox"/> Level III classroom Level II equipment plus data projector, computer, faculty workstation	<input type="checkbox"/> Off-Campus Sites <input type="checkbox"/> Testing Center <input type="checkbox"/> Computer workstations/lab <input type="checkbox"/> ITV <input type="checkbox"/> TV/VCR <input type="checkbox"/> Data projector/computer <input type="checkbox"/> 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
Properly use radiographic equipment to obtain diagnostic images of the spinal column.	Simulation exams	Winter 2010 and every three years thereafter	Random selection from each section from past three years	Approximately 20

Scoring and analysis of assessment:

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

**Item analysis from the course simulations of the three exams of the spine—the C-spine (AP, Lateral, Right Oblique, left Oblique, and Ondontoid), the T-spine (AP, Lateral, and Swimmers), and the L-spine (AP, Lateral, and L5-S1). Simulation and scoring rubric attached.**

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

**Eighty-five percent of students will score an average of 95% or better on rubric.**

- Indicate who will score and analyze the data.

**Radiography program faculty**

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

**The results can be used in the program assessment report and will be reviewed by the department faculty in a departmental meeting to make changes in the upcoming semester if needed.**