



Assessment Record

Program: Radiologic Technology

Assessment period: 20-21

Program or Department Mission:

The mission of the Radiologic Technology Program at Jefferson State Community College is to prepare graduates for entry-level employment as a radiologic technologist in the healthcare community.

This program mission is consistent with the colleges Statement of Philosophy and Purpose in the Jefferson State Community College Catalog and Student Handbook.

Instructional Program Student Learning Outcomes & Assessment Plan

Student Learning Outcomes are assessed by the following:

1. Students will apply positioning skills.
2. Student will select appropriate technical factors
3. Students will practice radiation protection.
4. Students will use effective oral communication skills.
5. Students will practice written communication skills.
6. Students will manipulate technical factors for non-routine examinations.
7. Students will develop a professional resume
8. Students will exhibit professional behaviors such as punctuality in the clinical setting.

	<p>Follow-Up Graduate Survey (Question 10) Portable radiography section Survey is sent via e-mail</p>	<p>Score of 2.5 or higher Scale (1-3)</p>	<p>2.7 22 surveys sent 20 returned</p>	<p>in demonstrating this assessment.</p> <p><u>Benchmark met</u> Continued analysis of this item through evaluation of the Graduate Survey, Employer Survey and Course evaluation. The program ensures that students are supervised properly during portable examinations. This allows students to work independently while having direct supervision by a registered technologist providing students with immediate feedback regarding positioning. This information is covered in each Advisory Meeting and Clinical Instructors meeting as indicated these changes.</p>
<p>SLO 2: Students will select appropriate technical factors</p>	<p>Laboratory Simulation</p>	<p>Average score of 80% or higher on Breathing Technique comps</p>	<p>Average score of 95% 25 students enrolled</p>	<p><u>Benchmark met</u> The Assessment for this cycle was changed to incorporate Breathing Technique. The calculation of the average is included here.</p>

				demonstrates this item and can be found here .
SLO 4: Students will use effective oral communication skills.	Presentation in RAD 212 Radiographic Pathology component	Average Score of 85% or higher on presentation.	Average score 98% 23 Students enrolled	Benchmark met The program continues to demonstrate success in this assessment. RAD 212 course syllabi demonstrate this assessment.
SLO 5: Students will practice written communication skills.	1. Writing of an article review in RAD 136, Radiation Protection 2 Average of Empathy Assignment grades for the RAD 113 Patient Care course	1. Average Score of 85% or higher on presentation. 2. Average score of 85% or higher	1. Average score 92% 27 students enrolled 50 points possible each student 27 x 50 =1350 1242 points achieved / 1350 points possible = 92% 2. Average score 100% 30 students enrolled	Benchmark met The program is continuing to provide success for this assessment. The course syllabus for RAD 136 demonstrates this item. 2. Benchmark met This was the first assessment cycle that this means of assessment and criteria for success was used. It will continue to be evaluated in the next assessment cycle. RAD 113 Course Syllabus for 2021 is reflective of this assessment.
SLO 6: Students will manipulate technical factors for non-routine examinations/trauma examinations.	Exposure Lab Technique Exercises	Average score of 80% or higher	Average score 90% 24 students enrolled	Benchmark met Due to current digital technology in the clinical environment, manipulating technical factors for any exam can be lost. It is

	Clinical Competency form, positioning section	Average score of 80% or higher	26/27 or 96% of students scored 80% or higher on this section.	<p>imperative that this item remain in the course to reinforce this item. Course syllabi for RAD 135 demonstrates this item.</p> <p>Benchmark met The program continues to meet the established benchmark. The repeat analysis/summary form 2021 indicated one student did not meet the criteria for success.</p>
SLO 7: Students will develop a professional resume.	Writing a Professional Resume	85% or higher on 100% scale	22/22 or 100% of students wrote a professional resume with 85% or higher	<p>Benchmark met Writing a professional resume has many advantaged for students but also reinforces this intended outcome. All students are required to write a professional resume.</p>
SLO 8: Students will exhibit professional behaviors such as punctuality in the clinical setting.	Timecard	90% of students enrolled in the final semester will have less than 3 tardies per semester	22/22 or 100% of students had less than 3 tardies per semester	<p>Benchmark met The established benchmark was met in this assessment period. The Fast Fact Sheet reminder has reinforced this outcome. A replacement time clock was purchased in this assessment cycle.</p>
Plan submission date: 05/2021			Submitted by: Christie W. Bolton	

SLO 1

JEFFERSON-STATE-COMMUNITY-COLLEGE¶

Saved to O: Drive | RADIOLOGY-PROGRAM-SYLLABUS¶

Fall-2020¶

Course-Number: → → RAD-112¶

Course-Title: → → Radiographic-Procedures-I¶

Textbook: → Kenneth-L. Bontrager, Textbook-of-Radiographic-Positioning-and-Related-Anatomy, Mosby-/Publishing, -10th-Edition.¶

Instructor: → → → Annette-Williamson-Ferguson, MSRS, RT-(R)¶

→ → → Office:-983-5217- → E-mail:-awilliam@jeffersonstate.edu¶

Course-Overview: → This course provides the student with instruction in → anatomy and positioning of the head, trunk, and extremities. → Theory and laboratory exercises will cover radiographic positions and procedures. → Upon completion of the course the student will demonstrate knowledge of anatomy and positioning skills in both the classroom and laboratory setting.¶

Instructional-Format: → Lectures, class activities, demonstrations¶

Evaluation: → → → Exams-&-Quizzes → → → → -55-%¶

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SLO 1

JEFFERSON-STATE-COMMUNITY-COLLEGE¶

RADIOLOGY-PROGRAM¶

SYLLABUS¶

Spring-2021¶

Course-Number: → → RAD-122¶

Course-Title: → → Radiographic-Procedures-II¶

Textbook: → → → Kenneth-L. Bontrager, Textbook-of-Radiographic¶

→ → → → Positioning-and-Related-Anatomy, Mosby-¶

→ → → → Publishing, 2001, -latest-Edition.¶

Instructor: → → → Annette-Williamson-Ferguson, MSRS, RT-(R)¶

→ → → → Office:-HSB-324--Phone:-983-5217¶

→ → → → E-mail:-awilliam@jeffersonstate.edu¶

Course-Overview: → This course provides the student with instruction in anatomy and positioning of the spine, cranium, body systems and special procedures. → Theory and laboratory exercises will cover radiographic positions and procedures with applicable contrast media administration. → Upon completion of the course the student will demonstrate knowledge of anatomy and positioning skills, oral communication and critical thinking in both the didactic and laboratory settings.¶

SLO 1

JEFFERSON STATE REQUISITION

Requisition Date: 03/04/21 Requested By: Christi Bohrer/Staff Dept: 0000 Account: 330
 Vendor Name: Fisher Scientific Inc Code: 4000 Special Instructions to Purchasing Office:
 Vendor Address: Hercules, KY 40324
 ADD Territory Code:
 Vendor P.O. # 121233456
 Vendor Name and P.O. # - Mandatory Item Code
 800.999.4127 #1
 252.900.0000 #2
 Authorization ID #:
 Authorization ID #:

PLEASE DO NOT WRITE/TYPE WITHIN THIS SPACE
(For Use by Purchasing Office)

Account: 33 Amount: \$504.00 Requisition #: _____
 0111000 100
 0111000 Date Entered: _____
 0111000 Purchase Order#: _____
 0111000

SPECIAL TEXT TO BE PRINTED ON P.O.: Please confirm to HSB 322_After Create Button

LINE	QUANTITY	UNIT	UNIT PRICE	DESCRIPTION	TOTAL
1.	1	EA	252.00	DRUGS FOR DIAGNOSTIC #01110000	\$252.00
2.	1	EA	252.00	DRUGS FOR LAB #01110000	\$252.00
3.					
4.					
5.					
6.					
7.				For lab use - create #01110000-01	
8.					
9.					
10.					
11.					
12.					

APPROVALS:
 Cost Center: Christi Bohrer Page Total: \$504.00
 Date: _____
 President/VP President: _____
 Director Financial Services: _____
 Budget Control: _____ Grand Tot: \$504.00

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SLO 1

Class-of-2021 → → → Repeat-Summary¶

Name#	Semester-compet	Competency	Repeatable-Errors	Semester-used
	Spring-2020	Abdomen	Quiz	Summer-2020
	Spring-2020	Abdomen	Quiz	Summer-2020
	Summer-2020	Forearm	Clipped-Anatomy	Summer-2020
	Summer-2020	UGIn	Quiz	Summer-2020
	Summer-2020	Small-Bowels	Quiz	Summer-2020

	Summer-2020	Tib/Fib	Quiz	Summer-2020
	Summer-2020	Lumbar-Spine	Quiz	Summer-2020
	Fall-2020	Esophagus	Quiz	Fall-2020

SLO 2

RAD-122:Breathing-Technique-Average-Calculation-2021¶

¶	¶	¶	¶
¶	Sternum¶	T-Spine¶	Average¶
¶	100¶	90¶	95¶
¶	95¶	86¶	90¶
¶	95¶	100¶	97¶
¶	87¶	100¶	93¶
¶	87¶	88¶	87¶
¶	83¶	100¶	91¶
¶	96¶	100¶	98¶
¶	87¶	100¶	93¶
¶	100¶	100¶	100¶
¶	100¶	94¶	97¶
¶	100¶	100¶	100¶
¶	96¶	97¶	96¶
¶	95¶	100¶	97¶
¶	96¶	94¶	95¶
¶	100¶	94¶	97¶
¶	100¶	100¶	100¶

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SLO 3

Christie Bolton

From: Christie Bolton
Sent: Friday, July 30, 2021 7:37 AM
To: Lydia Ferguson; Watts, Monica A.
Cc: Varner, Rainey L
Subject: Re: Shielding

Thank you Monica for this information and thank you for reaching out to your administration on behalf of our radiography students. I appreciate all of the support given at VA. I know this is a hot topic right now and we are just abiding by what our professional organizations and accrediting body says is correct.

If this changes from our organizations I will let you know.

Have a great weekend,
Christie Bolton

Sent from my Verizon, Samsung Galaxy smartphone
[Get Outlook for Android](#)

From: Watts, Monica A. <Monica.Watts@va.gov>
Sent: Friday, July 30, 2021 7:17:57 AM
To: Christie Bolton <cbolton@jeffersonstate.edu>; Lydia Ferguson <awilliam@jeffersonstate.edu>
Cc: Varner, Rainey L <Rainey.Varner@va.gov>
Subject: Shielding

CAUTION: This message did not originate from Jefferson State.

Good afternoon,

I just wanted to reach out to you about our policy on shielding. This just became a new policy that we were still getting clarification on last week when it was brought up in the CI meeting. Our new policy is to not routinely shield for radiographic exams. I know that you still want the students to shield, so I have spoken to our Chief, Dr. Smith, and he said that is okay for the learning students to continue shielding since the instructors at the school are wanting them to continue doing so. I have attached the link for the policy from the AAPM that Dr. Smith had given us that addresses the reasons behind discontinuing routinely shielding patients.

[AAPM Position Statements, Policies and Procedures - Details](#)

Thank you,
Monica Watts
BVAMC Radiology Clinical Instructor

SLO 4

Tentative Class Schedule: Your official class day is on Tuesdays (although class will be online)

Aug 25 th	Syllabus, Uniform Check & Clinical Information Presentation Information
Sept 1 st	Guidelines for Image Analysis & Visibility of Details
Sept 8 th	Image Analysis of the Chest and Abdomen
Sept 8 th	Exam # 1 (Guidelines for Image Analysis & Visibility of Details) 9am
Sept 15 th	Upper Extremity, Shoulder, Sternum & Ribs Lab Assignment due by Sept 21 st
Sept 22 nd	Lower Extremity, Hip & Pelvis Lab Assignment due by Sept 28 th
Sept 29 th	Exam # 2 (Chest & Abdomen) 9am
Oct 6 th	All Spines, Sacrum & Coccyx Lab Assignment due by Oct 12
Oct 13 th	Introduction to Pathology
Oct 13 th	Exam # 3 (Upper Extremity, Shoulder, Sternum & Ribs) 9am
Oct 20 th	Respiratory System
Oct 27 th	Exam # 4 (Lower Extremity, Hip & Pelvis)
Nov 3 rd	Skeletal System & Various Pathological Systems
Nov 10 th	Exam # 5 (All Spines, Sacrum & Coccyx)
Nov 17 th	Presentations Due
Nov 23 rd - 27 th	College Closed – Thanksgiving Holidays
Dec 1 st	FINAL EXAM



SLO 5

This course is designed asynchronously so that students may work at their own pace provided they completed the assessments and assignments by the designated due date. There will be Collaborate meetings throughout the semester for an introduction to the course as well as review for test material. Each week a Lecture Video and Chapter PowerPoints will be available for you to review. There will be an assessment due on each chapter by a designated due date. All course information will be available the week of the due date with all assessments and assignments due by 10PM on the designated due date. Any assessment or assignment not completed by the due date will receive a grade of "0".

Dates are tentative and may be changed with instructor's discretion. It is expected that you will read each chapter and review the chapter videos in preparation for chapter quizzes and exams. For your chapter quizzes, you may use your text to look up the answers. The mid-term and final exam will use the lockdown browser and be a timed exam.

Week 1	Chapter quiz due dates
May 27	Collaborate meeting at 9AM to review course information. Review Chapter video for Chapter 1 and 2 Quizzes due next week Introduction to Radiation Protection Ch 1 Radiation: Types, Sources, and Doses Received Ch 2
Week 2	
June 3	Review Chapter video for Chapter 3 and 4 and complete online chapter quizzes due Introduction to Radiation Protection Ch 1 Radiation: Types, Sources and doses Received Ch 2 Interaction of X-Radiation with Matter Ch 3 Radiation Quantities and units Ch 4
	Article approval due Using the information provided on the Grading Rubric Article Review and Professional Article Critique on blackboard, submit an article that you would like to critique through the Submission tool. Approval will be confirmed by an e-mail from your instructor.
Week 3	
June 10	Review Chapter video for Chapter 5 and 6 and complete chapter quizzes. Complete Worksheet for Chapter 4 submitted through course content section Radiation Monitoring Ch 5 Overview of Cell Biology 6
Week 4	
June 17	Turn in completed Article Review Submission through the Submission tool Review Chapter video for Chapter 7 and complete chapter quizzes. Molecular and Cellular Radiation Biology Ch 7

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SLO 5

Class Schedule

Week of Aug	24 th	Syllabus, Assignment
<u>Week of Aug</u>	<u>31st</u>	<u>Human Diversity, Patient Interactions & History Taking</u>
Week of Sept	7 th	Safe Patient Movement & Handling Techniques & Immobilization Techniques
Thursday, Sept 10th		Exam # 1 (Human Diversity, Patient Interactions History taking, Empathy Assignment)
**On Campus	Sept 17th	- Safe Patient Movement & Handling Techniques & Immobilization Lab & Venipuncture Video Check-off Groups of 6 scheduled 1 hour apart
Week of Sept	21 st	Vital Signs & Oxygen, Chest Tubes, and Lines
** On Campus	Sept 24th	- Vital Signs & Oxygen, Chest Tubes and Lines Lab Check-off Groups of 6 scheduled 1 hour apart

Thursday, Oct 1st		Exam # 2 (Safe Patient Movement, Handling Techniques & Immobilization Techniques)
Week of Oct	5 th	Infection Control
Thursday, Oct 15th		Exam # 3 (Vital Signs & Oxygen, Chest Tubes & Lines & Infection Control)
Week of Oct	19 th	Aseptic Techniques & Non-Aseptic Techniques & Medical Emergencies
**On Campus	Oct 22nd	- Aseptic Techniques & Non-Aseptic Techniques & Medical Emergencies lab Check-off Groups of 6 scheduled 1 hour apart
Thursday, Oct 29th		Exam # 4 (Aseptic, Non-Aseptic Techniques & Medical Emergencies)

SLO 6

On Campus	May 26 th	Syllabus & Clinical Instruction & Uniform Inspection Diagnostic and Therapeutic Modalities- Online Lecture
Week of May	31 st	Radiographic Image Quality Scatter Radiation Lab Assignments 1 - 4
Week of June	7 th	Radiographic Technique Lab Assignments 5 - 7
June	15th	Exam # 1 (Diagnostic and Therapeutic Modalities)
Week of June	21 st	Digital Radiographic Technique Lab Assignment 8
June	29th	Exam # 2 (Radiographic Image Quality & Scatter Rad)
Week of July	5 th	Viewing the Digital Image Digital Radiographic Artifacts
July	13th	Exam # 3 (Radiographic Technique & Digital Rad Technique)
On Campus	July 20 th	Quality Management Lab Lab Assignments 9 - 14
	July 27 th	Final Exam (Outline Provided)

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SLO 6

Semester-competency	Competency	Repeatable-Errors	Semester-used
Spring-2020	Abdomen	Quiz	Summer-2020
Spring-2020	Abdomen	Quiz	Summer-2020
Summer-2020	Forearm	Clipped-Anatomy	Summer-2020
Summer-2020	UGI	Quiz	Summer-2020
Summer-2020	Small-Bowel	Quiz	Summer-2020
Summer-2020	Tib/Fib	Quiz	Summer-2020
Summer-2020	Lumbar-Spine	Quiz	Summer-2020
Fall-2020	Esophagus	Quiz	Fall-2020
Fall-2020	Femur	Repeated-Images-due-to-positioning	Fall-2020

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SLO 8

Senior Class of 2022 Fall Clinicals: Wed/Thur/Fri 7am to 3pm



Important Dates to Remember:

August 25th - First Day to Clinic
 Nov 11th - Jeff State Closed Veteran's Day
 Nov 19th - Last Day for students
 Nov 29th - Grades are due

Direct & Indirect Supervision: Direct Supervision means a qualified radiographer is present in the rad room with the student performing exam and during any repeat exams. Indirect supervision is only permitted after the student has successfully completed a competency except for portables and surgery.

Competencies: This is your 3rd semester with competencies. This semester you are required to complete 18 competencies. **If you have any other competencies for the next semester you must take all quizzes before fall semester is over.**

Repeats Reminder: If you fail a competency, you have to repeat the entire competency on another patient and average the two complete competency scores for your total complete competency grade.

Proper Uniform: Your uniform in handbook includes; approved top and pants with sleeve patch, white undershirts, approved clinical white shoes, radiation badge, ID badge, markers, clinical competency book. If you show up to clinicals without any of these items, you will be sent home for an "unexcused absence" for the day resulting in 2 days of make-up time. Only lab jackets will be approved for coverage of uniform and has to have the sleeve patch required. Please readdress Dress Code in your handbook.

Attendance Reminders: Late is considered 7:01 to 7:05. Tardy is considered 7:06 and after. **You will need to call your clinical instructor prior to shift to alert them to a late, tardy or absence.** Also, alert your Clinical Coordinator at same time. You are given one free day. After free day has been taken and you miss another day; Doctor's excuse is 1 day for 1 day, no doctor's excuse is 2 days for 1 day. If you miss a day and your free day has not been taken, then you must use your free day for that day. Excessive lates or more than 3 tardies in one semester will result in a deduction of total clinical grade. Please review the Clinical Education Attendance Regulations in your student Handbook.

SLO 8

JEFFERSON STATE REQUISITION

Submission Date: 2-26-20 Requested by: Christie Bolton/Beth Day G#ff: 5219
 Vendor #: _____ 2nd Order: ISS Rec#ff: 325
 Vendor Name: Outpost Special Instructions to Purchasing Office: _____
 Vendor Address - Include Zip Code: _____
1735 First Avenue North
Birmingham, AL 35215-5600
 Vendor Phone and Fax #s - Include Area Code: _____
205.254.4255 or _____ PLEASE DO NOT WRITE/TYPE WITHIN THIS SPACE
205.254.3355 fax _____ (For Use by Purchasing Office)
 Authorization ID #1: _____
 Authorization ID #2: _____

Account# % Account Rep/Action # _____
2-18638 100 \$1,080.00 _____
 Date Entered: _____
 Purchase Order#: _____

SPECIAL TEXT TO BE PRINTED ON P.O.: _____ Please deliver to HSD Pm 325 attn: Christie Bolton

LINE	QUANTITY	UNIT	UNIT PRICE	DESCRIPTION	TOTAL
1.	4	ea	270.00	Time clock, Digital LCD, PYRAMID #3000, Item# 19F552	\$1,080.00
2.					
3.					
4.					
5.					
6.				Quote # 2044557289 Radiology tech student clock in	
7.					
8.					
9.					
10.					
11.					
12.					

APPROVALS:
 Cost Center: Christie W Bolton Page Total \$1,080.00
 Date: _____
 President/Vice President: _____
 Director Financial Services: _____
 Budget Control: _____ Grand Tot \$1,080.00

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