



Joint Review Committee on Education in Radiologic Technology  
20 N. Wacker Drive, Suite 2850  
Chicago, IL 60606-3182  
312.704.5300 • (Fax) 312.704.5304  
www.jrcert.org

May 25, 2010

Timothy Foster, J.D.  
President  
Mesa State College  
1100 North Avenue  
Grand Junction, CO 81501

RE: Program #0181

Previous Accreditation Status: 8 Years  
Most Recent Site Visit: 04/06  
Agenda: R-A6

Dear Dr. Foster:

After review of the requested interim report, the continuing accreditation status of the associate degree radiography program sponsored by Mesa State College was considered by the Joint Review Committee on Education in Radiologic Technology. The JRCERT is the only agency recognized by the U.S. Department of Education for the accreditation of traditional and distance delivery educational programs in radiography, radiation therapy, magnetic resonance, and medical dosimetry. The program was evaluated according to the **Standards for an Accredited Educational Program in Radiologic Sciences (2002)**. The JRCERT took the following action:

**MAINTENANCE OF ACCREDITATION FOR A PERIOD OF EIGHT YEARS.**

The next site visit is tentatively scheduled for the Second Quarter of 2014.

The program is advised that consistent with JRCERT Policy 11.600, the JRCERT reserves the right to conduct unannounced site visits of accredited programs. The sponsoring institution would be responsible for the expenses of any on-site evaluation.

The program is commended on the quality and organization of its interim report. The Joint Review Committee on Education in Radiologic Technology Directors and staff congratulate you and the program faculty for maintaining the maximum award of accreditation from the JRCERT and wish you continuing success in your efforts to provide a quality educational program. If we can be of further assistance, do not hesitate to contact us.

Sincerely,

Barbara L. Dehner, M.S.R.S., R.T.(R)(M)(CT), FAERS  
Chair

BLD/JH/am

copy: Program Director: Bette A. Schans, Ph.D., R.T.(R)  
Chair: Kristine Reuss, Ph.D., R.N.  
Accreditation Services Coordinator

*The JRCERT promotes excellence in education and enhances quality and safety  
of patient care through the accreditation of educational programs.*



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October 1, 2009

Bette A. Schans, Ph.D., R.T.(R)  
Radiography Program Director  
Mesa State College  
1100 North Avenue  
Grand Junction, CO 81501



**RE: Program #0181**

Dear Dr. Schans:

The accredited program in radiography sponsored by Mesa State College is currently accredited for eight (8) years and is required to submit an interim report. The enclosed materials provide information and instructions for completing the required report. The program is encouraged to review the Interim Report module on our website ([www.jrcert.org](http://www.jrcert.org)) located in the Program Resources section. An invoice for the interim report fee will be mailed in the future.

Upon review of the interim report, the JRCERT will determine whether to **maintain** the current accreditation status or **reduce** the accreditation status and expedite the continuing accreditation process. The program is tentatively scheduled for consideration by the Joint Review Committee on Education in Radiologic Technology at the Fall 2010 meeting.

The deadline for receipt of the interim report, including the signature of the Chief Executive Officer, is:

**April 1, 2010**

The program will be provided with a copy of the JRCERT database for the program approximately four (4) weeks prior to the deadline for submitting the Interim Report. The database must be reviewed and appropriate changes made prior to its submission with the interim report.

If you have questions or require assistance in completing the interim report, do not hesitate to contact the JRCERT office.

Sincerely,

Joey S. Battles, M.A.Ed., R.T.(R)(CT)(QM)(MR)  
Associate Director

JSB/jm  
Enc.

Copy: Tim Foster, J.D.  
Kristy Reuss, Ph.D., R.N.

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## Interim Report

Name of Program: RADIOLOGIC TECHNOLOGY

Program Number: 0181

Sponsoring Institution: MESA STATE COLLEGE

Name of Program Director: Bette Schans, PhD, RTR

Telephone: (970) 248-1651

An interim report is required of programs accredited for eight (8) years. Based on a review of the program's interim report, the JRCERT will determine whether the program's current accreditation status will be **maintained or reduced**.

The attached materials are designed to assist the program in submitting a successful interim report.



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Revised 09/02; 10/05

### Sponsoring Institution Accreditation

The sponsoring institution of the applicant program is accredited or otherwise recognized by the following national or regional agency (**Provide documentation.**):

MESA STATE COLLEGE

Date awarded 2006

Length of accreditation 8 YEARS

### Signatures

The signatures of sponsoring institution/program officials are required.

#### Program Director:

Bette Schans, PhD, RTR 3-11-10  
Signature Date

Bette Schans, PhD, RTR  
Printed Name

#### Chief Executive Officer of Sponsoring Institution:

[Signature] 3-11-10  
Signature Date

Timothy Foster, JD  
Printed Name

#### Dean or Comparable Departmental Administrator:

Kristine L Reuss 3/11/10  
Signature Date

Kristine Reuss, RN, PhD  
Printed Name



Program Name & Address	Program 0181 Information
<b>0181</b> <b>Mesa State College</b> Radiography Program  Sponsor-Correspondence Address: 1100 North Avenue Grand Junction, CO 81501	Program Type : Radiography Institution Type : 4-Year College or University Accreditation Status : 8 Years Terminal Award : Associate in Applied Science 22 Months  Program Total Capacity : 40 Students  Web Site Address : www.mesastate.edu CES-Recognized : 12  Title IV Eligible : No
	Program 0181 Personnel
	<b>Bette A. Schans, Ph.D., R.T.(R)</b> <i>Program Director</i>  Degree : Ph.D. Credentials : R.T.(R) Email Address : bschans@mesastate.edu
	<b>L. Patrice Ward, M.Ed., R.T.(R)</b> <i>Clinical Coordinator</i>  Degree : M.Ed. Credentials : R.T.(R) Email Address : pward@mesastate.edu
	<b>Matthew J. Martinez, R.T.(R)</b> <i>Acting Clinical Instructor</i>  Credentials : R.T.(R)
	<b>Kristy Reuss, Ph.D., R.N.</b> <i>Chair</i>  Degree : Ph.D. Credentials : R.N. Email Address : kreuss@mesastate.edu
	<b>Tim Foster, J.D.</b> <i>President</i>  Degree : J.D. Email Address : tfoster@mesastate.edu
CES 2208 Name & Address	CES 0181 -2208 Information
<b>0181 -2208</b> <b>St. Mary's Hospital &amp; Medical Center</b> Radiology Department	Recognition Status : Recognized Clinical Total Capacity : 19

Donna Slothower RT  
Clinical Instructor  
RT(R)

(Donna came back Sp 10 when  
we couldn't find a replacement)



**THE AMERICAN REGISTRY OF  
RADIOLOGIC TECHNOLOGISTS\***

USE ORIGINAL CARD FOR VERIFICATION

I.D. Number

Valid Thru End Of

111218

DEC-2010

DONNA R SLOTHOWER, R.T.(R) (ARRT)  
617 COTTAGE MEADOWS CT  
GRAND JUNCTION, CO 81504

\*\*Status\*\* In CE Compliance

CE Biennium

12/01/2009

11/30/2011

Q&g

## JOB DESCRIPTION

**JOB TITLE:** Clinical Instructor to Radiology students at Mesa State College.

**GENERAL STATEMENT OF DUTIES:** Instruct students in the clinical setting.

**SUPERVISION EXERCISED:** Report to the Director of Radiology Education.

**TYPICAL PHYSICAL DEMANDS:** Operation of equipment and observe students in the clinical setting.

**TYPICAL WORKING CONDITIONS:** Exposure to communicable disease, toxic and substances, ionizing radiation and other conditions common to a clinical environment.

## GENERAL LIST OF RESPONSIBILITIES:

1. Manage radiologic equipment in accordance with governmental standards, and within the established protocols.
2. Work one on one with each student in the clinical setting.
3. Observe students taking images to ensure quality radiographs.
4. Train students for the clinical setting by lectures and demonstrations.
5. Evaluate performance of each student.

**EXPERIENCE:** Mesa State College, Grand Junction, Colorado

2003 - 2010 Instruct students in the clinical setting

1999 - 2003 St. Mary's Hospital, Grand Junction, Colorado

Radiology Department Manager. Worked in the radiology department as manager of operations.

1989 - 1999 Aurora Radiology Center, Aurora, Colorado

Supervisor of private radiology office.

1987 - 1989 Orthopedic Surgery Associates, Aurora, Colorado

General radiology, patient care, casting, orthotics, and inventory.

1980 -1987

Swedish Medical Center, Englewood, Colorado

Weekend-night supervisor with management duties of supervising staff technologists to produce quality images. Maintain a good working relationship with all other hospital staff. My other duties included surgery and portables.

1978 -1980

Dr.'s Howard, Wells, Kruse and Ochsner,

Englewood, Colorado

Produce images and general office pertaining to patient care.

1974 -1978

The Denver Clinic, Denver, Colorado

Radiography, electrocardiograms, equipment maintenance, and general office.

1969 -1972

Medical Center Associates, Denver, Colorado

General radiographic, electrocardiograms, some bookkeeping duties.

**EDUCATION:**

1967

University of Colorado Medical Center

School of Radiology

1969

Graduate of School of Radiology

**CERTIFICATION:**

Registered by the American Registry of Radiologic Technologist.

I am a member in good standing with the American Registry and Society of Radiologic Technologists.



THE AMERICAN REGISTRY OF  
RADIOLOGIC TECHNOLOGISTS®

USE ORIGINAL CARD FOR VERIFICATION

I.D. Number

Valid Thru End Of

111218

DEC-2010

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617 COTTAGE MEADOWS CT  
GRAND JUNCTION, CO 81504

\*\*Status\*\* In CE Compliance

CE Biennium

12/01/2009

11/30/2011

Q&g



CE 01-2208 Name &amp; Address

0181 -2208

St. Mary's Hospital &amp; Medical Center

(continued from page 1)

Clinic-Correspondence Address:

2635 North 7th

Grand Junction, CO 81501

## Clinic 0181 -2208 Personnel

~~Mariann T. Howell, R.T.(R)(M)~~~~Clinical Instructor~~~~Credentials~~~~: R.T.(R)(M)~~

David D. Hanes, R.T.(R)

Clinical Instructor

Credentials

: R.T.(R)

Matthew J. Martinez, R.T.(R)

Acting Clinical Instructor

Credentials

: R.T.(R)

Robert Ladenburger

Administrator

no longer C.I.

CES 3598 Name &amp; Address

0181 -3598

Montrose Memorial Hospital

Radiology Department

Clinic-Correspondence Address:

800 South 3rd Street

Montrose, CO 81401

## CES 0181 -3598 Information

Recognition Status : Recognized

Clinical Total Capacity : 2

## Clinic 0181 -3598 Personnel

Dawn L. Eichert, R.T.(R)(M)

Clinical Instructor

Credentials

: R.T.(R)(M)

Marsha M. Ross, R.T.(R)

Clinical Instructor

Credentials

: R.T.(R)

0181 -3598

Montrose Memorial Hospital

(continued from page 2)

## CES 3659 Name &amp; Address

0181 -3659

Valley View Hospital

Radiology Department

Clinic-Correspondence Address:

P.O. Box 1970

Glenwood Springs, CO 81602

## Clinic 0181 -3598 Personnel

Ken Plataou

Chief Executive Officer

## CES 0181 -3659 Information

Recognition Status : Recognized

Clinical Total Capacity : 2

## Clinic 0181 -3659 Personnel

Patricia G. Gimbel, R.T.(R)(M)

Clinical Instructor

Credentials : R.T.(R)(M)

Susan L. Mallory, R.T.(R)(M)

Clinical Instructor

Credentials : R.T.(R)(M)

Gary L. Brewer

Chief Executive Officer

## CES 4204 Name &amp; Address

0181 -4204

Community Hospital

Radiology Department

Clinic-Correspondence Address:

2021 N. 12th Street

Grand Junction, CO 81501

## CES 0181 -4204 Information

Recognition Status : Recognized

Clinical Total Capacity : 3

## Clinic 0181 -4204 Personnel

Linda J. Richmond, R.T.(R)

Clinical Instructor

Credentials : R.T.(R)

~~Cicely D. Allen, R.T.(R)~~~~Clinical Instructor~~~~Credentials : R.T.(R)~~

NO LONGER CI

<b>0181 -4204</b> <b>Community Hospital</b> (continued from page 3)	<b>Clinic 0181 -4204 Personnel</b>
	<b>Jessica L. McKenna, R.T.(R)</b> <i>Acting Clinical Instructor</i> Credentials : R.T.(R)
	<b>Mark Francis</b> <i>Administrator</i>
<b>CES 4205 Name &amp; Address</b>	<b>CES 0181 -4205 Information</b>
<b>0181 -4205</b> <b>V.A. Medical Center</b> Radiology Department  Clinic-Correspondence Address: 2121 North Avenue Grand Junction, CO 81501	Recognition Status : Recognized Clinical Total Capacity : 3
	<b>Clinic 0181 -4205 Personnel</b>
	<b>Mavis J. Bounds, R.T.(R)(M)</b> <i>Clinical Instructor</i> Credentials : R.T.(R)(M)
	<b>Sandra Soria, R.T.(R)</b> <i>Clinical Instructor</i> Credentials : R.T.(R)
	<b>Michael Murphy</b> <i>Chief Executive Officer</i>
<b>CES 5716 Name &amp; Address</b>	<b>CES 0181 -5716 Information</b>
<b>0181 -5716</b> <b>Delta County Memorial Hospital</b> Radiology Department  Clinic-Correspondence Address: 1503 East 3rd Street Delta, CO 81416	Recognition Status : Recognized Clinical Total Capacity : 2
	<b>Clinic 0181 -5716 Personnel</b>
	<b>Sharon A. Wolf, R.T.(R)(CT)(MR)</b> <i>Clinical Instructor</i> Credentials : R.T.(R)(CT)(MR)

**0181 -5716**  
**Delta County Memorial Hospital**  
(continued from page 4)

## Clinic 0181 -5716 Personnel

**Tom Mengin**  
*Administrator*

## CES 6663 Name &amp; Address

**0181 -6663**  
**Glenwood Medical Associates**  
Radiology Department  
Clinic-Correspondence Address:  
1830 Blake Street  
Glenwood Springs, CO 81601

## CES 0181 -6663 Information

Recognition Status : Recognized  
Clinical Total Capacity : 1

## Clinic 0181 -6663 Personnel

**Mary Brennan-Combs, R.T.(R)**  
*Clinical Instructor*

Credentials : R.T.(R)

**Paul G. Esbeck, R.T.(R)**  
*Clinical Instructor*

Credentials : R.T.(R)

## CES 6892 Name &amp; Address

**0181 -6892**  
**Grand River Medical Center**  
Radiology Department  
Clinic-Correspondence Address:  
501 Airport Road  
P.O. Box 912  
Rifle, CO 81650

## CES 0181 -6892 Information

Recognition Status : Recognized  
Clinical Total Capacity : 2

## Clinic 0181 -6892 Personnel

**Magdalena Berg, R.T.(R)(M)**  
*Clinical Instructor*

Credentials : R.T.(R)(M)

~~**Tonia M. Dalley, R.T.(R)(M)**  
*Clinical Instructor*~~

~~Credentials : R.T.(R)(M)~~

**Michael Raymond**  
*Chief Executive Officer*

NO LONGER C.I.

## CES 0181 -7269 Name &amp; Address

0181 -7269

**Rocky Mountain Orthopaedic Associates**

Radiology Department

Clinic-Correspondence Address:

627 25 1/2 Road

Grand Junction, CO 81505

## CES 0181 -7269 Information

Recognition Status : Recognized

Clinical Total Capacity : 2

## Clinic 0181 -7269 Personnel

~~Jennifer L. Zuber, R.T.(R)~~~~Clinical Instructor~~

Credentials : R.T.(R)

Karen K. Murch, R.T.(R)

Clinical Instructor

Credentials : R.T.(R)

Ginny R. Schneider, R.T.(R)

Acting Clinical Instructor

Credentials : R.T.(R)

Dale Reigle, M.S.

Chief Executive Officer

Degree : M.S.

NO LONGER C.I.

## CES 8534 Name &amp; Address

0181 -8534

**Western Orthopedics & Sports Medicine, P.C.**

Radiology Department

Clinic-Correspondence Address:

2020 North 12th Street

Grand Junction, CO 81501

## CES 0181 -8534 Information

Recognition Status : Recognized

Clinical Total Capacity : 1

## Clinic 0181 -8534 Personnel

Yolanda Ann Ryan, R.T.(R)(CT)

Clinical Instructor

Credentials : R.T.(R)(CT)

Timothy B. Worth, R.T.(R)

Clinical Instructor

Credentials : R.T.(R)



Clinic 0181 -8534 Personnel	
<b>0181 -8534</b> <b>Western Orthopedics &amp; Sports Medicine, P.C.</b> (continued from page 6)	<b>Patrick Sillix, D.O.</b> <i>President</i> Degree : D.O.
CES 9814 Name & Address	
<b>0181 -9814</b> <b>Family Health West Hospital</b> Radiology Department Clinic-Correspondence Address: 228 North Cherry Street Fruita, CO 81521	<b>CES 0181 -9814 Information</b> Recognition Status : Recognized Clinical Total Capacity : 1
Clinic 0181 -9814 Personnel	
	<b>Michelle D. Angelo, R.T.(R)(M)(CT)</b> <i>Clinical Instructor</i> Credentials : R.T.(R)(M)(CT)
	<b>Errol Snider</b> <i>Chief Operating Officer</i>
CES 9986 Name & Address	
<b>0181 -9986</b> <b>Kokopelli Clinic</b> Radiology Department Clinic-Correspondence Address: 551 Kokopelli Blvd. Fruita, CO 81521	<b>CES 0181 -9986 Information</b> Recognition Status : Recognized Clinical Total Capacity : 1
Clinic 0181 -9986 Personnel	
	<b>Kristen P. Bell, R.T.(R)(M)(CT)</b> <i>Clinical Instructor</i> Credentials : R.T.(R)(M)(CT) ?
	<b>Jill S. Palma, R.T.(R)(M)(CT)</b> <i>Acting Clinical Instructor</i> Credentials : R.T.(R)(M)(CT)
	<b>Dennis E. Ficklin</b> <i>Chief Executive Officer</i>

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**MESA STATE COLLEGE  
RADIOLOGIC TECHNOLOGY PROGRAM  
ACCREDITATION INTERIM REPORT**

## STANDARD 1

- 1.1 The mission statement of the Radiologic Technology Program at Mesa State College is consistent with the mission statement of the College. Please see document 1.1.
- 1.2 The program has written goals that are found in the application material, a program brochure and on the program web page at [www.mesastate.edu/healthsciences/radtech](http://www.mesastate.edu/healthsciences/radtech). Please see document 1.2.
- 1.4 Mesa State College has an assessment plan that evaluates all the required information in objective 1.4. Please see document 1.4.
- 1.5 Documentation of outcomes consistent with JRC policies of credentialing exam pass rates and job placement rates are integrated with the assessment and evaluation plans for the last 4 years. We will be revising the assessment plan starting in summer of 2010 and will have this information listed separately under program effectiveness. Our ARRT examination pass rate has been 100% over the last four years and job placement rate is as follows:

2006	100%
2007	100%
2008	94%
2009	85%

The job market has tightened considerably over the last three years. Please see document 1.5 for listed results.

- 1.7 The information on the assessment and evaluation plan is shared with the advisory committee and discussed at faculty meetings. The faculty also has a meeting at the end of an evaluation cycle to determine if other evaluations will be used if outcomes are consistent for a period of time.
- 1.8 The mission and goals of the program are reviewed periodically. The faculty is meeting this spring to revise goals based on information received at a JRCERT Site Visitors Workshop this February. Please see document 1.8 for meeting minutes.

# WELCOME TO MESA STATE COLLEGE

## Overview of Mesa State College

The founding of Grand Junction Junior College in 1925, with 39 students enrolled in seven classes, marked the beginning of post-secondary education on Colorado's Western Slope. As Mesa Junior College, the number of students grew to 270 by fall 1937; headcount increased to 1,300 by 1963. Over that period, the range of community college programs expanded, and an area vocational school was added in 1967. By 1974, the college had evolved into a baccalaureate-granting institution, leading enrollment to triple in 16 years and reach 3,891 in fall 1979.

In 1994, the Colorado legislature authorized Mesa State to offer selected graduate degrees in response to regional needs. With the addition of graduate programs, Mesa State College became the only four-year institution in Colorado to offer a full-range of undergraduate programming that spans technical certificates, associate degrees (both academic and vocational), and baccalaureate degrees to master's degrees. Most recently, Mesa State formally created a two-year, open admission division in 2005: Western Colorado Community College.

The role and mission of the College was reenacted in 2003 by the Colorado General Assembly (Colorado Revised Statutes 23-53-101):

*There is hereby established a College at Grand Junction, to be known as Mesa State College, which shall be a general baccalaureate and specialized graduate institution with moderately selective admissions. Mesa State College shall offer liberal arts and sciences programs and a limited number of professional, technical, and graduate programs. Mesa State College shall also maintain a community college role and mission, including vocational and technical programs. Mesa State College shall receive resident credit for two-year course offerings in its commission-approved service area. Mesa*

*State College shall also serve as a regional education provider.*

In 2003 Mesa State was statutorily assigned the responsibility of meeting the educational needs for 14 Western Slope counties: Delta, Eagle, Garfield, Grand, Jackson, Mesa, Moffat, Montrose, Ouray, Pitkin, Rio Blanco, Routt, San Miguel and Summit.

The Mesa State College community aspires to provide an environment which promotes a wellness lifestyle free of addictive behaviors. It shall be a goal of Mesa State College to maintain a healthy campus atmosphere conducive to learning and personal safety.

Mesa State College is a democratic center of learning dedicated to the improvement of human capability. The College extends its services to anyone regardless of age, race, color, national origin, religion, sex, disability, veteran status, or sexual orientation. Committed first to instruction, as well as service and research, the College seeks to improve the unique talents and sense of social responsibility of each student.

By promoting the acquisition of skills as well as the discovery and application of knowledge, the College develops the intellectual, ethical, and aesthetic sensibilities that enable a student to pursue a rewarding career and assume a responsible and productive role in society. The College seeks to liberate persons from narrow interests and prejudices, to help them observe reality precisely, to judge opinions and events critically, to think logically, and to communicate effectively. The College offers programs of value in areas of civic and cultural life, research, and recreation, and desires to play a constructive role in improving the quality of human life and the environment.



## **Radiologic Technology Program**

### ***Description***

The Mesa State College Radiologic Technology Program complies with the standards outlined by the Joint Review Committee on Education in Radiologic Technology in the publication *Standards for an Accredited Program* in Radiologic Sciences. This publication is available for review upon request.

The plan is for the Radiologic Technology Program to be completed in five semesters. The program is a combination of lecture classes, laboratory experience, and internship at area clinical facilities affiliated with the program. This clinical experience is a required part of the student's education because it provides actual experiences in patient care.

Upon successful completion of the program, the student will earn an Associate of Applied Science Degree. The graduate is then eligible to apply to take the National Registry given by the American Registry of Radiologic Technologists. Passing this examination qualifies the student as a registered technologist.

### ***Philosophy***

The faculty of the Radiologic Technology Program supports the philosophy of Mesa State College. In addition, we believe that each person is an individual and is entitled to be treated as a unique human being with individual needs, differences, and potentialities. Education is a continuing process whereby the learner determines the goals, adapts to change, clarifies values, and develops such discipline and understanding that best meets their individual needs for self-actualization. Because learning occurs at varying rates in different individuals, a variety of learning modes and options will provide the student with experiences that will meet individual learning needs. Vocational education is based on theoretical constructs and is strengthened by laboratory experiences that emphasize skills and application of knowledge. Quality general education courses provide students with college level competencies and a balanced education.

Based on this philosophy, the administration, faculty, and clinical education centers work closely to provide the student with an atmosphere conducive to individual learning. While the teaching-learning process is the combined responsibility of students, faculty, administration, and clinical education centers, learning is primarily the responsibility of the student.

### ***Mission***

The mission of the Radiologic Technology Program at Mesa State College is to facilitate each student's learning to become the best radiologic technologist possible through development of technical and professional skills as well as behaviors, attitudes, and ethics desired by patients, employers, and the community served.

### ***Goals***

Fulfillment of the program's mission is defined in the following goals:

1. Students will utilize broad-based knowledge and skills to become competent entry-level radiographers.
2. Students will demonstrate skills in effective thinking and problem solving: communication and life-long learning.
3. Students will demonstrate value-based behaviors as the foundation for professional practice.
4. The program will provide competent, qualified technologists to the community.



## MISSION STATEMENT

The mission of the Radiologic Technology Program at Mesa State College is to facilitate each student's learning to become the best radiologic technologist possible through development of technical and professional skills as well as behaviors, attitudes, and ethics desired by patients, employers, and the community served.

## PROGRAM GOALS

Fulfillment of the program's mission is assessed by the degree to which the program achieves the following goals:

1. Students will utilize broad-based knowledge and skills to become competent entry-level radiographers.
2. Students will demonstrate skills in effective thinking and problem solving, communication, and life long learning.
3. Students will demonstrate value-based behaviors as the foundation for professional practice.
4. The program will provide competent, qualified technologists to the community.

## ABOUT THE PROFESSION

The registered radiologic technologist plays an important role on the medical team by providing quality radiographs for a physician or radiologist (a physician who specialized in interpretation of diagnostic radiologic images). As a professional assistant, the radiologic technologist functions to aid in the diagnosis of various abnormalities including fractures, tumors, and malfunctioning body systems.

Responsibilities of the radiologic technologist include adjusting radiographic equipment for specific examinations, placing the patient into the correct position, making the required exposure, and processing images. In some cases, mobile radiographic equipment must be used in the emergency room, in surgery, or at the patient's bedside. Responsibilities may also include performing quality assurance procedures, ordering supplies and maintaining radiographic and processing equipment.

The major responsibility of the radiologic technologist, however, is compassionate care of the patient. In a profession driven by technical advances, caring for the needs of the patient remains the primary objective. Compassionate care includes proficiency in communication, respecting individual rights, and maintaining safety.

**We recommend keeping in touch regarding any possible changes via our website, [www.mesastate.edu/healthsciences/radtech.html](http://www.mesastate.edu/healthsciences/radtech.html).**

## REQUIRED COURSES

### GENERAL EDUCATION:

ENGL 111 English Composition  
ENGL 112 English Composition  
6 hours Behavioral Sciences, Humanities,  
and/or Applied Studies (consult the catalog)  
MATH 113 College Algebra or  
UTEC 107 Math for Technology  
HPWA 100 and one HPWE course

### PREREQUISITE COURSE:

BIOL 209 and 209L Anatomy and  
Physiology with Lab

### RADIOLOGIC TECHNOLOGY COURSES

RTEC 114 Intro to Clinical Lab  
RTEC 120 Patient Care  
RTEC 121, 131 Anatomy and Positioning  
RTEC 121L and 131 Labs  
RTEC 122, Radiographic Principles  
RTEC 122L and 133 Labs  
RTEC 123 Digital Imaging  
RTEC 133 Imaging Equipment  
RTEC 135 Radiation Biology and  
Protection  
RTEC 124, 214, 224 and 234 Clinical  
Experience  
RTEC 251 Radiographic Pathology  
RTEC 261 Radiographic Review  
RTEC 255, 265 Radiographic  
Assessment

## MISSION STATEMENT

The mission of the Radiologic Technology Program at Mesa State College is to facilitate each student's learning to become the best radiologic technologist possible through development of technical and professional skills as well as behaviors, attitudes, and ethics desired by patients, employers, and the community served.

## PROGRAM GOALS

Fulfillment of the program's mission is assessed by the degree to which the program achieves the following goals:

1. Students will utilize broad-based knowledge and skills to become competent entry-level radiographers.
2. Students will demonstrate skills in effective thinking and problem solving: communication, and life-long learning.
3. Students will demonstrate value-based behaviors as the foundation for professional practice.
4. The program will provide competent, qualified technologists to the community.

## MESA STATE COLLEGE

## AAS RADIOLOGIC TECHNOLOGY PROGRAM



# MESA STATE COLLEGE RADIOLOGIC TECHNOLOGY PROGRAM

## APPLICATION TO THE PROGRAM

Thank you for your interest in the Mesa State College Radiologic Technology Program.

Radiologic technologists are an important part of the professional healthcare team, providing physicians with x-ray images that are vital for the diagnosis and treatment of injury, degeneration, and disease.

This two-year, nationally accredited program leads to an Associate of Applied Science degree.

Along with learning the technical and procedural skills required to produce quality images, students learn aspects of patient care, medical and legal ethics, and radiographic pathology.

In addition to the required courses for the program, 16 hours of general education courses and one prerequisite course are also included in the degree.

Part of the education includes clinical internships in Grand Junction at St. Mary's Hospital and Regional Medical Center, Community Hospital, Veteran's Administration Medical Center, Rocky Mountain Orthopaedic Associates, and Western Orthopedics. Additionally, hospitals and clinics in Delta, Montrose, Glenwood, and Rifle are also utilized for clinical experience.

Graduates are eligible to take the national certifying examination administered by the American Registry of Radiologic Technologists (ARRT). This national certification allows an individual to work anywhere in the country as a registered technologist. Some states also require a separate state license.

Become part of a vital team! Check out our program at *Mesa State College*.

**R.T. (R)  
REGISTERED TECHNOLOGIST  
(RADIOGRAPHY)**

### Considerations for acceptance:

HIGH SCHOOL AND COLLEGE GPA  
HIGH SCHOOL COURSE WORK:  
-SCIENCE COURSES  
COLLEGE COURSEWORK  
TEAS TEST SCORES

APPLICATIONS MUST BE  
SUBMITTED TO THE RADIOLOGIC  
TECHNOLOGY PROGRAM  
DIRECTOR BY MARCH 1  
OF EACH YEAR

FOR FURTHER INFORMATION  
PLEASE CALL (970) 248-1651 OR  
(970) 248-1398 OR  
[rphillips@mesastate.edu](mailto:rphillips@mesastate.edu)

# MESA STATE COLLEGE

## ASSESSMENT PLAN 2006-2007 EVALUATION

### Mission Statement:

The mission of the Radiologic Technology Program at Mesa State College is to facilitate each student's learning to become the best radiologic technologist possible through development of technical and professional skills as well as behaviors, attitudes, and ethics desired by patients, employers, and the community served.

Mesa State College  
Assessment Plan 2006-2007

1. Students will utilize broad-based knowledge and skills to become competent entry-level radiographers.

Outcomes	Measurement Tool	Target	Time Frame	Person/Group Responsible
Students will produce quality radiographs.				
<ul style="list-style-type: none"><li>Positioning</li></ul>	Positioning evaluations in lab.	1st semester students will average 85% on positioning lab evaluations	RTEC 121 Fall	Course Instructor
	Clinical image evaluations question #	First year students will average 8 or greater for correct positioning on image evaluations at clinical.	RTEC 114 Fall	Clinical Instructor
		Second year students will average 9 or greater for correct positioning on image evaluations at clinical.	RTEC 224 Spring	Clinical Instructor
<ul style="list-style-type: none"><li>Technique</li></ul>	Clinical Competency evaluations question #	1st year students will average 8 or greater in knowing the correct technique to use for an exam.	RTEC 124 Fall	Clinical Instructor
		2nd year students will average 9 or higher in knowing the correct technique to use for an exam.	RTEC 234 Spring	Clinical Instructor
<ul style="list-style-type: none"><li>Radiation Safety</li></ul>	Image Evaluation-Computed Radiography exposure index question #	Students will average 85% in obtaining the correct exposure index on a CR image	RTEC 214 Summer (start 2006)	Clinical Instructor
Students will evaluate radiographic images for quality factors and appropriate positioning.	Image critique evaluations	Students will score 90% or better on image critique evaluations in RTEC 255	Fall	Course Instructor



# EVALUATION 2006-2007

1. Students will utilize broad-based knowledge and skills to become competent entry-level radiographers.

Outcomes	Measurement Tool	Target	GOAL MET	ACTION PLAN
Students will produce quality radiographs.				
• Positioning	Positioning evaluations in lab.	1st semester students will average 85% on positioning lab evaluations		
	Clinical image evaluations question #	First year students will average 8 or greater for correct positioning on image evaluations at clinical.	Average was 8.7	Assess next year.
		Second year students will average 9 or greater for correct positioning on image evaluations at clinical.	Average was 9.6	Use new assessment measure next year.
• Technique	Clinical Competency evaluations	1st year students will average 8 or greater in knowing the correct technique to use for an exam.		
	Clinical Competency evaluations	2nd year students will average 18 or higher in knowing the correct technique to use for an exam.	Average was 18.9	Used a new form this year. Evaluate again next year using new procedure evaluation form
• Radiation Safety	Image Evaluation-Computed Radiography exposure index question #8	Students will average 85% in obtaining the correct exposure index on a CR image	Average was 91%	Will be using new image eval form next year. Will reassess
Students will evaluate radiographic images for quality factors and appropriate positioning.	Image critique evaluations	Students will score 90% or better on image critique evaluations in RTEC 255	Students scored 85%	Will assess next year. Will continue to work students critique of images.

Mesa State College  
Assessment Plan 2006-2007

2. Students will demonstrate skills in effective thinking and problem solving; communication, and life long learning.

Outcomes	Measurement Tool	Target	Time Frame	Person/Group Responsible
Students will demonstrate effective communication skills in the classroom.	Communication assessment in RTEC 132	Students will average 90% or better on the assessment.	Spring	Course Instructor
	Report on research paper.	Students will average 85% on verbal report of research.	RTEC 251 Fall	Course Instructor
Students will demonstrate age appropriate patient communication in the clinical setting	Communication rubric for student procedures.	Students will average 85% on the rubric in the first year.	RTEC 124 Spring	Clinical Instructor
		Students will average 90% on the rubric in the second year.	RTEC 224 Fall	Clinical Instructor
Students will adapt to non-routine clinical situations.	Problem solving rubric for role-playing of trauma or mobile situation.	Students will average 85% on rubric in RTEC 132	Spring	Course Instructor
	Competency evaluation in trauma radiography.	Students will average 90% on a competency evaluation of trauma c-spine, trauma hip, or trauma extremity.	Yearly	Clinical Instructors
Students will identify needs for age-specific patient care and comfort.	Quiz covering material on pediatrics and geriatrics in RTEC 132.	Students will average 90% in quiz.	RTEC 132 Spring	Course Instructor

Mesa State College  
EVALUATION 2006 - 2007

2. Students will demonstrate skills in effective thinking and problem solving; communication, and life long learning.

Outcomes	Measurement Tool	Target	GOAL MET	ACTION PLAN
Students will demonstrate effective communication skills in the classroom.	Communication exercise in RTEC 120	Students will average 90% or better on the exercise.	Average 99%	Consistently met. Will do different assessment next year.
	Report on research paper.	Students will average 85% on verbal report of research.	Average 92	Better presentations. Will continue to work with students on oral presentation.
Students will demonstrate age appropriate patient communication in the clinical setting	Communication rubric for student procedures.	Students will average 85% on the rubric in the first year.	Average 87	Will continue to monitor
		Students will average 90% on the rubric in the second year.	Average 95	Will continue to monitor
Students will adapt to non-routine clinical situations.	Problem solving rubric for role-playing of trauma or mobile situation.	Students will average 85% on rubric in RTEC 132	Average 95	Will assess one more year.
	Competency evaluation in trauma radiography.	Students will average 90% on a competency evaluation of trauma c-spine, trauma hip, or trauma extremity.	95%	Students do well with trauma situations. Will assess again next year.
Students will identify needs for age-specific patient care and comfort.	Quiz covering material on pediatrics and geriatrics in RTEC 132.	Students will average 90% in quiz.	90%	Review material, emphasize information and reassess next year.

Mesa State College  
Assessment Plan 2006-2007

3. Students will demonstrate value-based behaviors as the foundation for professional practice.

Outcomes	Measurement Tool	Target	Time Frame	Person/Group Responsible
Students will demonstrate professionalism in the clinical setting.	Professional attitudes, behaviors and ethics evaluation Questions 3 and 7	Students will average 90% on the evaluation in the area of teamwork and initiative.	RTEC 124 Spring	Clinical Instructor
	Professional attitudes, behaviors and ethics evaluation Questions 1 and 4	Students will average 90% on the evaluation in the area of involvement and accountability.	RTEC 224 Fall	Clinical Instructor
Students will demonstrate cognitive knowledge of ethics	Ethics test in RTEC 120	Students will average 85% on the ethics test.	RTEC 120 Fall	Course Instructor
Graduates will continue membership in professional radiologic science organizations.	Exit Survey	50% of graduating students will express a desire to join or maintain membership in professional organizations.	RTEC 261 Spring	Program Director

Mesa State College  
EVALUATION 2006 - 2007

3. Students will demonstrate value-based behaviors as the foundation for professional practice.

Outcomes	Measurement Tool	Target	GOAL MET	ACTION PLAN
Students will demonstrate professionalism in the clinical setting.	Professional attitudes, behaviors and ethics evaluation Questions 3 and 7	Students will average 90% on the evaluation in the area of teamwork and initiative.	Average of 94%	Will assess again next year
	Professional attitudes, behaviors and ethics evaluation Questions 1 and 4	Students will average 90% on the evaluation in the area of involvement and accountability.	Average of 92%	Would like to see a higher average. Will assess again next year.
Students will demonstrate cognitive knowledge of ethics	Ethics test in RTEC 120	Students will average 85% on the ethics test.	Average of 90%	Assess again next year
Graduates will continue membership in professional radiologic science organizations.	Exit Survey	50% of graduating students will express a desire to join or maintain membership in professional organizations.	100%	Will assess different professional question in 2007

Mesa State College  
Assessment Plan 2006-2007

4. The program will provide competent, qualified technologists to the community.

Outcomes	Measurement Tool	Target	Time Frame	Person/Group Responsible
Students will graduate	Program completion rates	There will be an average of 80% retention of students over a five-year period.	Yearly	Program Director
Graduates will pass the ARRT certification examination	ARRT certification exam results	95% of graduates will pass the ARRT exam.	Yearly	Program Director
Graduates will be employed.	Graduate survey	95% of graduates will be employed within six months of graduation.	Yearly	Program Director
Graduates will be productive workers.	Employer surveys	90% of employers responding to the survey will be satisfied with the graduate's work skills.	Yearly	Program Director
	Graduate survey	90% of graduates responding to the survey will be satisfied with the amount of clinical experience received.	Yearly	Program Director

Mesa State College  
EVALUATION 2006 - 2007

4. The program will provide competent, qualified technologists to the community.

Outcomes	Measurement Tool	Target	GOAL MET	ACTION PLAN
Students will graduate	Program completion rates	There will be an average of 80% retention of students over a five-year period.	100% Retention for 2007 graduates	Continue with methods of application and instruction in the two year program.
Graduates will pass the ARRT certification examination	ARRT certification exam results 2007	95% of graduates will pass the ARRT exam.	100% pass with average of 86.6	Continue with review for registry. This was above national average but below state average.
Graduates will be employed.	Graduate survey	95% of graduates will be employed within six months of graduation.	88%	One grad opted to wait until 2008 to seek employment in another state. The other grad was pregnant and could not find work. She is now actively seeking employment since the birth of her child Two grads opted not to seek employment in RT.
Graduates will be productive workers.	Employer surveys 2005 grads	90% of employers responding to the survey will be satisfied with the graduate's work skills.	84%	Will reevaluate next year. Had a few students in the class of 2005 that were not excited about their career. We changed our interview questions to more reflect affective behaviors and attitudes of incoming students
	Graduate survey	90% of graduates responding to the survey will be satisfied with the amount of clinical experience received.	91%	Same group – not happy with clinical experience. Will assess next year.

# **MESA STATE COLLEGE**

## **EVALUATION ASSESSMENT PLAN 2007-2008**

### **Mission Statement:**

The mission of the Radiologic Technology Program at Mesa State College is to facilitate each student's learning to become the best radiologic technologist possible through development of technical and professional skills as well as behaviors, attitudes, and ethics desired by patients, employers, and the community served.



Mesa State College  
Assessment Plan 2007-2008

1. Students will utilize broad-based knowledge and skills to become competent entry-level radiographers.

Outcomes	Measurement Tool	Target	Time Frame	Person/Group Responsible
Students will produce quality radiographs				
Positioning	Clinical image evaluation –part positioning	First year students will average 15 or greater for correct positioning on image evaluations at clinical	RTEC 114 Fall	Clinical Instructor
		Second year students will average 18 or greater for correct positioning on image evaluations at clinical.	RTEC 234 Spring	Clinical Instructor
Technique	Clinical Competency evaluations	80% of students will know the correct technique to use for an exam	RTEC 124 Spring	Clinical Instructor
	CR project	75% of 1st year students will have listed an appropriate exposure index number on 5 of 7 exams	RTEC 132 lab Spring	Course Instructor
Radiation Safety	Image Evaluation	Students will average 18 or higher in obtaining the accepted exposure index on a CR image	RTEC 214 Summer	Clinical Instructor
Students will evaluate radiographic images for quality factors and appropriate positioning	Image critique evaluations	Students will score 90% or better on image critique evaluations	Fall RTEC 255	Course Instructor

## EVALUATION

1. Students will utilize broad-based knowledge and skills to become competent entry-level radiographers.

OUTCOMES	MEASUREMENT TOOL	TARGET	GOAL MET	ACTION PLAN
Students will produce quality radiographs.  Positioning	Clinical image evaluation –part positioning	First year students will average 15/20 or greater for correct positioning on mage evaluations at clinical.	17/20	Continue to monitor
		Second year students will average 18/20 or greater for correct positioning on image evaluations at clinical	19/20	Continue to monitor
Technique	Clinical Competency evaluations	80% of students will know the correct technique to use for an exam.		
	CR project	75% of 1st year students will have listed an appropriate exposure index number on 5 of 7 exams		
Radiation Safety	Image Evaluation	Students will average 18/20 or higher in obtaining the accepted exposure index on a CR image	Evaluation not assessed. Will do in summer 2008.	
Students will evaluate radiographic images for quality factors and appropriate positioning	Image critique evaluations	Students will score 90% or better on image critique evaluations	91%	Great improvement over 2006. Students much more engaged in image critique. Will assess again next year.

Mesa State College  
Assessment Plan 2007-2008

2. Students will demonstrate skills in effective thinking and problem solving; communication, and life long learning.

Outcomes	Measurement Tool	Target	Time Frame	Person/Group Responsible
Students will demonstrate effective communication skills in the classroom.	Communication assessment in RTEC 132	Students will average 90% on assessment in 132	RTEC 132 Spring	Course Instructor
	Report on research paper	Students will average 85% on verbal report of research	RTEC 251 Fall	Course Instructor
Students will demonstrate age appropriate patient communication in the clinical setting	Communication rubric for student procedures	Students will average 85% on the rubric in the first year	RTEC 124 Spring	Clinical Instructor
		Students will average 90% on the rubric in the second year.	RTEC 234 Spring	Clinical Instructor
Students will adapt to non-routine clinical situations.	Competency evaluation in trauma radiography	Students will average 90% on a competency evaluation of trauma c-spine, trauma hip, or trauma extremity	Yearly	Clinical Instructors
Students will identify needs for age-specific patient care and comfort	Quiz covering material on pediatrics and geriatrics in RTEC 132	Students will average 90% in quiz	RTEC 132 Spring	Course Instructor

# EVALUATION

2. Students will demonstrate skills in effective thinking and problem solving; communication, and life long learning.

OUTCOME	MEASUREMENT TOOL	TARGET	GOAL MET	ACTION PLAN
Students will demonstrate effective communication skills in the classroom.	Communication assessment in RTEC 132	Students will average 90% on assessment in 132	97%	Continue to monitor
	Report on research paper	Students will average 90% on verbal report of the research paper	96%	Students doing well will add a rubric for better clarification of grade.
Students will demonstrate age appropriate patient communication in the clinical setting	Communication rubric for student procedures.	Students will average 85% on the rubric in the first year.	95%	Continue to monitor
		Students will average 90% on the rubric in the second year.	99%	Continue to monitor
Students will adapt to non-routine clinical situations	Competency evaluation in trauma radiography	Students will average 90% on a competency evaluation of trauma c-spine, trauma hip, or trauma extremity	96%	Continue to monitor
Students will identify needs for age-specific patient care and comfort	Quiz covering material on pediatrics and geriatrics in RTEC 132	Students will average 90% in quiz	95%	Continue to monitor. Change measurement tool next year.

Mesa State College  
Assessment Plan 2007-2008

3. Students will demonstrate value-based behaviors as the foundation for professional practice.

Outcomes	Measurement Tool	Target	Time Frame	Person/Group Responsible
Students will demonstrate professionalism in the clinical setting.	Professional attitudes, behaviors and ethics evaluation Questions 3 and 7	Students will average 90% on the evaluation in the area of teamwork and initiative.	RTEC 124 Spring	Clinical Instructor
	Professional attitudes, behaviors and ethics evaluation Questions 1 and 4	Students will average 90% on the evaluation in the area of involvement and accountability.	RTEC 224 Fall	Clinical Instructor
Graduates will continue membership in professional radiologic science organizations.	Exit Survey	50% of graduating students will express a desire to join or maintain membership in professional organizations.	RTEC 261 Spring	Program Director
Graduates will express and interest in obtaining BAS degree or other certifications	Exit Survey	80% will state they will continue education	RTEC 261 Spring	Program Director

## EVALUATION

3. Students will demonstrate value-based behaviors as the foundation for professional practice.

OUTCOME	MEASUREMENT TOOL	TARGET	GOAL MET	ACTION PLAN
Students will demonstrate professionalism in the clinical setting.	Professional attitudes, behaviors and ethics evaluation Questions 3 and 7	Students will average 90% on the evaluation in the area of teamwork and initiative.	Question 3 82% Question 7 85%	Will review professional evaluation with students and clinical instructors to gain understanding of lower scores.
	Professional attitudes, behaviors and ethics evaluation Questions 1 and 4	Students will average 90% on the evaluation in the area of involvement and accountability.	Question 1 – 92% Question 4 – 95 %	Continue to monitor
Graduates will continue membership in professional radiologic science organizations.	Exit Survey	80% of graduating students will express a desire to join or maintain membership in professional organizations.	100%	Most grads this year joined ASRT than any other year. They realize the importance of continuing ed for ARRT and appreciate what ASRT does for recording CE credits.
Graduates will express an interest in obtaining a BAS degree or other certification	Exit survey	80% will state they will continue education	86%	Continue to monitor

Mesa State College  
Assessment Plan 2007-2008

4. The program will provide competent, qualified technologists to the community.

Outcomes	Measurement Tool	Target	Time Frame	Persons/Group Responsible
Students will graduate	Program completion rates	There will be an average of 80% retention of students over a five-year period.	Yearly	Program Director
Graduates will pass the ARRT certification examination	ARRT certification exam results	95% of graduates will pass the ARRT exam.	Yearly	Program Director
Graduates will be employed	Graduate survey	95% of graduates will be employed within six months of graduation	Yearly	Program Director
Graduates will be productive workers.	Employer surveys	90% of employers responding to the survey will be satisfied with the graduate's work skills.	Yearly	Program Director
	Graduate survey	90% of graduates responding to the survey will be satisfied with the amount of clinical experience received.	Yearly	Program Director

## EVALUATION

4. The program will provide competent, qualified technologists to the community.

OUTCOMES	MEASUREMENT TOOL	TARGET	GOAL MET	ACTION PLAN
Students will graduate	Program completion rates	There will be an average of 80% retention of students over a five-year period.	94% this year.	Continue to monitor
Graduates will pass the ARRT certification examination	ARRT certification exam results	95% of graduates will pass the ARRT exam.	100%	Continue to monitor
Graduates will be employed	Graduate survey	95% of graduates will be employed within six months of graduation	85%	The job market has tightened. The benchmark will be lowered to 80% to reflect the current trend
Graduates will be productive workers.	Employer surveys 2006 graduates	90% of employers responding to the survey will be satisfied with the graduate's work skills.	92% satisfaction	Continue to monitor. Discuss at advisory meeting what can be done to improve.
	Graduate survey	90% of graduates responding to the survey will be satisfied with the amount of clinical experience received.	100%	Continue to monitor



# **MESA STATE COLLEGE**

EVALUATION  
ASSESSMENT PLAN 2008-2009

## **Mission Statement:**

The mission of the Radiologic Technology Program at Mesa State College is to facilitate each student's learning to become the best radiologic technologist possible through development of technical and professional skills as well as behaviors, attitudes, and ethics desired by patients, employers, and the community served.

Mesa S College  
Assessment Plan 2008-2009

1. Students will utilize broad-based knowledge and skills to become competent entry-level radiographers.

Outcomes	Measurement Tool	Target	Time Frame	Person/Group Responsible
Students will produce quality radiographs	Clinical image evaluation –part positioning	First year students will average 15 or greater for correct positioning on image evaluations at clinical	RTEC 114 Fall	Clinical Instructor
		Second year students will average 18 or greater for correct positioning on image evaluations at clinical.	RTEC 234 Spring	Clinical Instructor
	Clinical Competency evaluations	80% of students will know the correct technique to use for an exam	RTEC 124 Spring	Clinical Instructor
	CR project	75% of 1st year students will have listed an appropriate exposure index number on 5 of 7 exams	RTEC 132 lab Spring	Course Instructor
Radiation Safety	Image Evaluation	Students will average 18 or higher in obtaining the correct exposure index on a CR image	RTEC 214 Summer	Clinical Instructor
Students will evaluate radiographic images for quality factors and appropriate positioning	Image critique evaluations	Students will score 90% or better on image critique evaluations	Fall RTEC 255	Course Instructor

## EVALUATION

1. Students will utilize broad-based knowledge and skills to become competent entry-level radiographers.

OUTCOMES	MEASUREMENT TOOL	TARGET	GOAL MET	ACTION PLAN
Students will produce quality radiographs.	Clinical image evaluation –part positioning	First year students will average 15/20 or greater for correct positioning on image evaluations at clinical.	17/20	Continue to monitor
		Second year students will average 18/20 or greater for correct positioning on image evaluations at clinical	19/20	Continue to monitor
Technique	Clinical Competency evaluations	80% of students will know the correct technique to use for an exam.	80% knew correct technique	Difficult for students to identify correct technique when mostly using APR and AEC. Will continue to emphasize the importance of understanding technique.
	CR project	75% of 1st year students will have listed an appropriate exposure index number on 5 of 7 exams	79%	Will continue to work with students to understand exposure values and how technique is related.
Radiation Safety	Image Evaluation	Students will average 18/20 or higher in obtaining the correct exposure index on a CR image	18/20	
	Image critique evaluations	Students will score 90% or better on image critique evaluations	90%	Need to keep promoting image evaluation at the clinical sites and at the college
Students will evaluate radiographic images for quality factors and appropriate positioning				

Mesa State College  
Assessment Plan 2008-2009

2. Students will demonstrate skills in effective thinking and problem solving; communication, and life long learning.

Outcomes	Measurement Tool	Target	Time Frame	Person/Group Responsible
Students will demonstrate effective communication skills in the classroom.	Communication assessment in RTEC 132	Students will average 90% on assessment in 132	RTEC 132 Spring	Course Instructor
	Report on research paper	Students will average 85% on verbal report of research	RTEC 251 Fall	Course Instructor
Students will demonstrate age appropriate patient communication in the clinical setting	Communication rubric for student procedures	Students will average 85% on the rubric in the first year	RTEC 124 Spring	Clinical Instructor
		Students will average 90% on the rubric in the second year.	RTEC 234 Spring	Clinical Instructor
Students will adapt to non-routine clinical situations.	Competency evaluation in trauma radiography	Students will average 90% on a competency evaluation of trauma c-spine, trauma hip, or trauma extremity	Yearly	Clinical Instructors
Students will identify needs for age-specific patient care and comfort	Report and presentation on experience at clinical site with a pediatric or geriatric patient.	Students will average 90% on report and presentation.	RTEC 132 Spring	Course Instructor

# EVALUATION

2. Students will demonstrate skills in effective thinking and problem solving; communication, and life long learning.

OUTCOME	MEASUREMENT TOOL	TARGET	GOAL MET	ACTION PLAN
Students will demonstrate effective communication skills in the classroom.	Communication assessment in RTEC 132	Students will average 90% on assessment in 132	97%	Continue to monitor
	Report on research paper	Students will average 90% on verbal report of the research paper	92%	Work with students on oral presentations. Review rubric prior to doing presentations
Students will adapt to non-routine clinical situations	Competency evaluation in trauma radiography	Students will average 90% on a competency evaluation of trauma c-spine, trauma hip, or trauma extremity	96%	Continue to monitor
Students will identify needs for age-specific patient care and comfort	Report and presentation on experience at clinical site with a pediatric or geriatric patient.	Students will average 90% on report and presentation.	98%	The reports and presentations were very insightful for 1 <sup>st</sup> year students. Will continue to monitor.

Mesa State College  
Assessment n 2008-2009

3. Students will demonstrate value-based behaviors as the foundation for professional practice.

Outcomes	Measurement Tool	Target	Time Frame	Person/Group Responsible
Students will demonstrate professionalism in the clinical setting.	Professional attitudes, behaviors and ethics evaluation Questions 3 and 7	Students will average 90% on the evaluation in the area of teamwork and initiative.	RTEC 124 Spring	Clinical Instructor
	Professional attitudes, behaviors and ethics evaluation Questions 1 and 4	Students will average 90% on the evaluation in the area of involvement and accountability.	RTEC 224 Fall	Clinical Instructor
Graduates will continue membership in professional radiologic science organizations.	Exit Survey	50% of graduating students will express a desire to join or maintain membership in professional organizations.	RTEC 261 Spring	Program Director
Graduates will express and interest in obtaining BAS degree or other certifications	Exit Survey	80% will state they will continue education	RTEC 261 Spring	Program Director

## EVALUATION

3. Students will demonstrate value-based behaviors as the foundation for professional practice.

OUTCOME	MEASUREMENT TOOL	TARGET	GOAL MET	ACTION PLAN
Students will demonstrate professionalism in the clinical setting.	Professional attitudes, behaviors and ethics evaluation Questions 3 and 7	Students will average 90% on the evaluation in the area of teamwork and initiative.	Question 3 - 90% Question 7 - 90%	Clinical instructors stated that first year students are nervous and not sure what to do. We will encourage participation in examinations.
	Professional attitudes, behaviors and ethics evaluation Questions 1 and 4	Students will average 90% on the evaluation in the area of involvement and accountability.	Question 1 - 94% Question 4 - 91%	We will select another question on the evaluation for review next year.
Graduates will continue membership in professional radiologic science organizations.	Exit Survey	80% of graduating students will express a desire to join or maintain membership in professional organizations.	100%	Continue to promote professional organizations.
Graduates will express an interest in obtaining a BAS degree or other certification	Exit survey	80% will state they will continue education	65%	With the difficult economic times, graduates are putting education on hold so they can find a job.

Mesa State College  
Assessment Plan 2008-2009

4. The program will provide competent, qualified technologists to the community.

Outcomes	Measurement Tool	Target	Time Frame	Persons/Group Responsible
Students will graduate	Program completion rates	There will be an average of 80% retention of students over a five-year period.	Yearly	Program Director
Graduates will pass the ARRT certification examination	ARRT certification exam results	95% of graduates will pass the ARRT exam.	Yearly	Program Director
Graduates will be employed	Graduate survey	80% of graduates will be employed within six months of graduation	Yearly	Program Director
Graduates will be productive workers.	Employer surveys	90% of employers responding to the survey will be satisfied with the graduate's work skills.	Yearly	Program Director
	Graduate survey	90% of graduates responding to the survey will be satisfied with the amount of clinical experience received.	Yearly	Program Director



## EVALUATION

4. The program will provide competent, qualified technologists to the community.

OUTCOMES	MEASUREMENT TOOL	TARGET	GOAL MET	ACTION PLAN
Students will graduate	Program completion rates	There will be an average of 80% retention of students over a five-year period.	94% this year.	Continue to monitor
Graduates will pass the ARRT certification examination	ARRT certification exam results	95% of graduates will pass the ARRT exam.	100%	Continue to monitor
Graduates will be employed	Graduate survey	80% of graduates will be employed within six months of graduation	100%	Continue to monitor
Graduates will be productive workers.	Employer surveys 2007 graduates	90% of employers responding to the survey will be satisfied with the graduate's work skills.	100%	Continue to monitor
	Graduate survey	90% of graduates responding to the survey will be satisfied with the amount of clinical experience received.	100%	Continue to monitor

# **MESA STATE COLLEGE**

ASSESSMENT PLAN 2009-2010

## **Mission Statement:**

The mission of the Radiologic Technology Program at Mesa State College is to facilitate each student's learning to become the best radiologic technologist possible through development of technical and professional skills as well as behaviors, attitudes, and ethics desired by patients, employers, and the community served.

Mesa State College  
Assessment Plan 2009-2010

1. Students will utilize broad-based knowledge and skills to become competent entry-level radiographers.

Outcomes	Measurement Tool	Target	Time Frame	Person/Group Responsible	
Students will produce quality radiographs	Positioning	Positioning evaluations in lab	1st semester students will average 85% anatomy i.d. evaluations	RTEC 121 Fall	Course Instructor
	Clinical image evaluation –part positioning	First year students will average 15/20 or greater for correct positioning on image evaluations at clinical	RTEC 114 Fall	Clinical Instructor	
		Second year students will average 18/20 or greater for correct positioning on image evaluations at clinical.	RTEC 234 Spring	Clinical Instructor	
		Technique	Clinical Competency evaluations	80% of students will know the correct technique to use for an exam	RTEC 124 Spring
	Radiation Safety	CR project	1st year students will have listed an appropriate exposure index number on 5 of 7 exams	RTEC 133 lab Spring	Course Instructor
Image Evaluation		Students will average 18/20 or higher in obtaining the correct exposure index on a CR image	RTEC 214 Summer	Clinical Instructor	
Students will evaluate radiographic images for quality factors and appropriate positioning		Image critique evaluations	Students will score 90% or better on image critique evaluations	Fall RTEC 255	Course Instructor

## EVALUATION

1. Students will utilize broad-based knowledge and skills to become competent entry-level radiographers.

OUTCOMES	MEASUREMENT TOOL	TARGET	GOAL MET	ACTION PLAN
Students will produce quality radiographs.	Positioning	1st semester students will average 85% anatomy i.d. evaluations	88.9	Benchmark met. In general the students are doing well at identifying anatomy on radiographic images on film in their first semester. Will evaluate again next year using digital imaging.
	Clinical image evaluation –part positioning	First year students will average 15/20 or greater for correct positioning on image evaluations at clinical.	17/20	Benchmark met. Student are doing well with positioning skills in their first semester. Will continue evaluation next year.
	Technique	Second year students will average 18/20 or greater for correct positioning on image evaluations at clinical	19/20	Benchmark met. Assess new outcome next year
	Clinical Competency evaluations	80% of students will know the correct technique to use for an exam.		Results not in. Due the end of the semester.
	Radiation Safety	CR project	75%	Students are confused because technologists do not know proper exposure values. Will continue to emphasize looking at the EI to determine proper exposure
Students will evaluate radiographic images for quality factors and appropriate positioning	Image Evaluation	Students will average 18/20 or higher in obtaining the correct exposure index on a CR image	19/20	Benchmark met. Will evaluate a new area next year.
	Image critique evaluations	Students will score 90% or better on image critique evaluations	96%	Pleased with these results – continue to monitor

Mesa State College  
Assessment Plan 2009-2010

2. Students will demonstrate skills in effective thinking and problem solving; communication, and life long learning.

Outcomes	Measurement Tool	Target	Time Frame	Person/Group Responsible
Students will demonstrate effective communication skills in the classroom.	Communication assessment in RTEC 120	Students will average 90% on assessment in 120	RTEC 123 Fall	Course Instructor
	Report on research paper	Students will average 85% on verbal report of research	RTEC 251 Fall	Course Instructor
Students will demonstrate age appropriate patient communication in the clinical setting	Communication rubric for student procedures	Students will average 85% on the rubric in the first year	RTEC 124 Spring	Clinical Instructor
		Students will average 90% on the rubric in the second year.	RTEC 234 Spring	Clinical Instructor
Students will adapt to non-routine clinical situations.	Competency evaluation in trauma radiography	Students will average 90% on a competency evaluation of trauma c-spine, trauma hip, or trauma extremity	Yearly	Clinical Instructors

## EVALUATION

2. Students will demonstrate skills in effective thinking and problem solving; communication, and life long learning.

OUTCOME	MEASUREMENT TOOL	TARGET	GOAL MET	ACTION PLAN
Students will demonstrate effective communication skills in the classroom.	Communication assessment in RTEC 120	Students will average 90% on assessment in 120	95%	Benchmark met. Have met benchmark for 5 years. Will do new assessment next year.
	Report on research paper	Students will average 90% on verbal report of the research paper	95%	Benchmark met. Students did much better with further explanation of oral report rubric. Will assess next year.
Students will adapt to non-routine clinical situations	Competency evaluation in trauma radiography	Students will average 90% on a competency evaluation of trauma c-spine, trauma hip, or trauma extremity		Results not in – due end of the semester.

Mesa State College  
Assessment Plan 2009-2010

3. Students will demonstrate value-based behaviors as the foundation for professional practice.

Outcomes	Measurement Tool	Target	Time Frame	Person/Group Responsible
Students will demonstrate professionalism in the clinical setting.	Professional attitudes, behaviors and ethics evaluation Questions 1 and 4	Students will average 90% on the evaluation in the area of involvement and accountability.	RTEC 124 Spring	Clinical Instructor
	Professional attitudes, behaviors and ethics evaluation Questions 3 and 7	Students will average 90% on the evaluation in the area of teamwork and initiative.	RTEC 234 Spring	Clinical Instructor
Graduates will continue membership in professional radiologic science organizations.	Exit Survey	50% of graduating students will express a desire to join or maintain membership in professional organizations.	RTEC 261 Spring	Program Director
Graduates will express and interest in obtaining BAS degree or other certifications	Exit Survey	80% will state they will continue education	RTEC 261 Spring	Program Director

## EVALUATION

3. Students will demonstrate value-based behaviors as the foundation for professional practice.

OUTCOME	MEASUREMENT TOOL	TARGET	GOAL MET	ACTION PLAN
Students will demonstrate professionalism in the clinical setting.	Professional attitudes, behaviors and ethics evaluation Questions 1 and 4	Students will average 90% on the evaluation in the area of involvement and accountability.		Results not in – due at the end of the semester
	Professional attitudes, behaviors and ethics evaluation Questions 3 and 7	Students will average 90% on the evaluation in the area of teamwork and initiative.		Results not in – due at the end of the semester
Graduates will continue membership in professional radiologic science organizations.	Exit Survey	80% of graduating students will express a desire to join or maintain membership in professional organizations.	94%	Benchmark met. Students join to receive CE credit and track credits.
Graduates will express an interest in obtaining a BAS degree or other certification	Exit survey	80% will state they will continue education	75%	Benchmark not met. Again, given the economic times, it is difficult for new grads to commit to continuing their education.



Mesa State College  
Assessment Plan 2009-2010

4. The program will provide competent, qualified technologists to the community.

Outcomes	Measurement Tool	Target	Time Frame	Persons/Group Responsible
Students will graduate	Program completion rates	There will be an average of 80% retention of students over a five-year period.	Yearly	Program Director
Graduates will pass the ARRT certification examination	ARRT certification exam results	95% of graduates will pass the ARRT exam.	Yearly	Program Director
Graduates will be employed	Graduate survey	80% of graduates will be employed within six months of graduation	Yearly	Program Director
Graduates will be productive workers.	Employer surveys 2008 graduates	90% of employers responding to the survey will be satisfied with the graduate's work skills.	Yearly	Program Director
	Graduate survey	90% of graduates responding to the survey will be satisfied with the amount of clinical experience received.	Yearly	Program Director

## EVALUATION

4. The program will provide competent, qualified technologists to the community.

OUTCOMES	MEASUREMENT TOOL	TARGET	GOAL MET	ACTION PLAN
Students will graduate	Program completion rates	There will be an average of 80% retention of students over a five-year period.	94%	Continue to monitor
Graduates will pass the ARRT certification examination	ARRT certification exam results	95% of graduates will pass the ARRT exam.	100%	Continue to monitor
Graduates will be employed	Graduate survey	80% of graduates will be employed within six months of graduation	84%	Jobs are difficult to find in this economy.
Graduates will be productive workers.	Employer surveys 2008 graduates	90% of employers responding to the survey will be satisfied with the graduate's work skills.	100%	Benchmark met. This year 86% of employers strongly agreed that they were satisfied and many wrote on the excellence of the graduates from this class.
	Graduate survey	90% of graduates responding to the survey will be satisfied with the amount of clinical experience received.	100%	Benchmark met. The majority of grads strongly agreed that they were satisfied with clinical experience. On the 2010-11 we will survey overall satisfaction with the program.

1.4

RTEC 132

Communication Assessment – First Years – Spring 2008

100
97
97
100
97
100
83
93
97
100
100
100
100
100
100
100

Documentation of Measurement, Technique and Exposure Index

Acceptable range of exposure index at your clinical site (community)

Patient exam	Patient measurement (cm)	mAs readout	Exposure index number	Comments
1. Chest PA	26	14	312	rm 1
2. Chest lat	40	53.4	96	rm 1
3. Abdomen	29	310.2	242	rm 1 (large pt)
4. Hand, Wrist or Elbow	3	2.6	200	room 1
5. Shoulder				
6. Foot or ankle	9	4.0	51	room 1
7. Knee	14	14.4	175	room 1
8. Pelvis or hip				
9. Cervical spine AP				
10. C spine lateral				
11. Thoracic Spine AP	24	33.7	319	room 2 (range 200-400)
12. Thoracic Spine lateral				
13. Lumbar Spine AP				
14. Lumbar Spine lateral				
15. Barium enema AP				

~~Class - 1st~~

Documentation of Measurement, Technique and Exposure Index  
(higher-underexposed)

200-600

Patient exam	Patient measurement (cm)	mAs readout	Exposure index number	Comments
1. Chest PA	23	3.87	237	
2. Chest lat	45cm	19.3	242	
3. Abdomen				
4. <del>Hand</del> Wrist or Elbow	3.5cm	2.1	235	
5. Shoulder	<del>12</del> 12cm	16.7	105	
6. <u>Foot</u> or ankle	9cm	3.2	94	overexposed
7. Knee				
8. Pelvis or hip				
9. Cervical spine AP		18.2	140	
10. C spine lateral		36.2	140	
11. Thoracic Spine AP	27cm	35.2	104	little bit overexposed
12. Thoracic Spine lateral	33cm	47.4	123	little bit overexposed
13. Lumbar Spine AP	28cm	62.3	370	
14. Lumbar Spine lateral	38cm	78.6	260	
15. Barium enema AP				

Documentation of Measurement, Technique and Exposure Index

Acceptable range of exposure index at your clinical site 1200 - 1800

Patient exam	Patient measurement (cm)	mAs readout	Exposure index number	Comments
1. Chest PA	<del>20</del> 24	2.53	200	Really long lungs
2. Chest lat	30	6.25	200	
3. Abdomen				
4. Hand, <u>Wrist</u> or Elbow	PA 8	2.4	200	
5. Shoulder				
6. Foot or <u>ankle</u>	AP 11 Lat 8	AP 2.5 Lat 2.5	AP 1820 Lat 1900	
7. Knee				
8. Pelvis or hip				
9. Cervical spine AP				
10. C spine lateral				
11. Thoracic Spine AP	25	41	1830	
12. Thoracic Spine lateral	37	120	1340	
13. Lumbar Spine AP	18	24.9	200	
14. Lumbar Spine lateral	24	31.7	250	
15. Barium enema AP				

Need 7 of these Due 1<sup>st</sup> wk of March

**STUDENT ASSESSMENT PLAN**  
**SPRING 2008**

**ASSESS STUDENTS PROCEDURE:**

1. Demonstrate students ability to position patient using proper landmarks.
2. Communication with patient to obtain a correct history.
3. Students ability to complete the exam in a timely manor.

**ASSESS STUDENTS INITATIVE AND TEAMWORK:**

Bi-weekly Evaluation of question #3.

Willingness to learn, motivation, and self-governance. Average of all students ranking from 0 to 10.

Average score for semester                      8.2

Bi-weekly Evaluation of question #7

Willingness and ability to work with others for the common good of the task.  
Average of all students ranking from 0 to 10.

Average score for semester                      8.5

Presentation Rubric

Evaluating Student Presentations					
Developed by Information Technology Evaluation Services, NC Department of Public Instruction					
	1	2	3	4	Total
<b>Organization</b>	Audience cannot understand presentation because there is no sequence of information.	Audience has difficulty following presentation because student jumps around.	Student presents information in logical sequence which audience can follow.	Student presents information in logical, interesting sequence which audience can follow.	3
<b>Subject Knowledge</b>	Student does not have grasp of information; student cannot answer questions about subject.	Student is uncomfortable with information and is able to answer only rudimentary questions.	Student is at ease with expected answers to all questions, but fails to elaborate.	Student demonstrates full knowledge (more than required) by answering all class questions with explanations and elaboration.	3
<b>Graphics</b>	Student uses superfluous graphics or no graphics	Student occasionally uses graphics that rarely support text and presentation.	Student's graphics relate to text and presentation.	Student's graphics explain and reinforce screen text and presentation.	4
<b>Mechanics</b>	Student's presentation has four or more spelling errors and/or grammatical errors.	Presentation has three misspellings and/or grammatical errors.	Presentation has no more than two misspellings and/or grammatical errors.	Presentation has no misspellings or grammatical errors.	4
<b>Eye Contact</b>	Student reads all of report with no eye contact.	Student occasionally uses eye contact, but still reads most of report.	Student maintains eye contact most of the time but frequently returns to notes.	Student maintains eye contact with audience, seldom returning to notes.	3
<b>Elocution</b>	Student mumbles, incorrectly pronounces terms, and speaks too quietly for students in the back of class to hear.	Student's voice is low. Student incorrectly pronounces terms. Audience members have difficulty hearing presentation.	Student's voice is clear. Student pronounces most words correctly. Most audience members can hear presentation.	Student uses a clear voice and correct, precise pronunciation of terms so that all audience members can hear presentation.	4
<b>Total Points:</b>					24



2007

## Presentation Rubric

Evaluating Student Presentations					
Developed by Information Technology Evaluation Services, NC Department of Public Instruction					
	1	2	3	4	Total
<b>Organization</b>	Audience cannot understand presentation because there is no sequence of information.	Audience has difficulty following presentation because student jumps around.	Student presents information in logical sequence which audience can follow.	Student presents information in logical, interesting sequence which audience can follow.	3
<b>Subject Knowledge</b>	Student does not have grasp of information; student cannot answer questions about subject.	Student is uncomfortable with information and is able to answer only rudimentary questions.	Student is at ease with expected answers to all questions, but fails to elaborate.	Student demonstrates full knowledge (more than required) by answering all class questions with explanations and elaboration.	3
<b>Graphics</b>	Student uses superfluous graphics or no graphics	Student occasionally uses graphics that rarely support text and presentation.	Student's graphics relate to text and presentation.	Student's graphics explain and reinforce screen text and presentation.	4
<b>Mechanics</b>	Student's presentation has four or more spelling errors and/or grammatical errors.	Presentation has three misspellings and/or grammatical errors.	Presentation has no more than two misspellings and/or grammatical errors.	Presentation has no misspellings or grammatical errors.	4
<b>Eye Contact</b>	Student reads all of report with no eye contact.	Student occasionally uses eye contact, but still reads most of report.	Student maintains eye contact most of the time but frequently returns to notes.	Student maintains eye contact with audience, seldom returning to notes.	3
<b>Elocution</b>	Student mumbles, incorrectly pronounces terms, and speaks too quietly for students in the back of class to hear.	Student's voice is low. Student incorrectly pronounces terms. Audience members have difficulty hearing presentation.	Student's voice is clear. Student pronounces most words correctly. Most audience members can hear presentation.	Student uses a clear voice and correct, precise pronunciation of terms so that all audience members can hear presentation.	4
Total Points:					21

1.4  
APPENDIX E

MESA STATE COLLEGE  
Nursing and Radiologic Sciences  
Radiologic Technology Program  
Evaluation of Professional Behavior, Ethics, & Attitudes for Clinical Experience Rotations

Student: [Redacted] Date: 2/10/10 Grade: 99%

Clinical Site/Room: VUN Evaluator: Smallboy input from Ann Crothers & Sherry DeHeu

The clinical instructor uses the following index to evaluate student behavior, ethics, and attitudes based on observation.

1. INVOLVEMENT: Commitment and active participation in assigned task.

The student:

- ☒ \*Is available, actively participates, and completes each task. (10)
- ☐ \*Is available; but moderately participates or occasionally fails to complete task. (9)
- ☐ \*Requires prompting to remain available; and moderately participates or occasionally fails to complete task. (7)
- ☐ \*Is unavailable, does not participate, or fails to complete task. (0-5)

2. SELF-CONFIDENCE: Assurance in oneself and in one's powers and abilities.

The student appears:

- ☒ \*Relaxed and free from uncertainty. (10)
- ☐ \*Relaxed and occasionally anxious. (9)
- ☐ \*Tense and moderately anxious. (7)
- ☐ \*Tense and highly anxious. (0-5)

3. INITIATIVE: Willingness to learn, motivation, and self-governance.

The student:

- ☒ \*Independently seeks tasks, offers assistance, and utilizes time. (10)
- ☐ \*Independently seeks tasks; but occasionally does not offer assistance or utilize time. (9)
- ☐ \*Must be prompted to seek tasks, offer assistance, or utilize time. (7)
- ☐ \*Does not seek tasks, may not offer assistance, or does not utilize time. (0-5)

4. ACCOUNTABILITY: Ability to assume responsibility for professional growth and accept ownership for own actions.

The student:

- ☒ \*Encourages evaluation and correction and is responsible for own actions. (10)
- ☐ \*Accepts evaluation and correction and is responsible for own actions. (9)
- ☐ \*Argues with evaluation and correction or holds others responsible for failure. (7)
- ☐ \*Argues with evaluation and correction and holds others responsible for failure. (0-5)

5. ADAPTABILITY: Ability to adjust to a new environment or changing condition.

The student:

- ☒ \*Independently adapts to a new task. (10)
- ☐ \*Requires occasional reinforcement and support in order to adapt to a new task. (9)
- ☐ \*Requires reinforcement and support in order to adapt to a new task. (7)
- ☐ \*Does not adapt to a new task. (0-5)

## GRADUATE SURVEY

Please answer each question using the following criteria:

- 5 = strongly agree  
4 = agree  
3 = neither agree or disagree  
2 = disagree  
1 = strongly disagree

1. The program met my expectations.

5 4 3 2 1

2. I have a clear understanding of the Radiologic Technology field.

5 4 3 2 1

3. Overall, the clinical sites were supportive of my educational needs and requirements.

5 4 3 2 1

4. The amount of clinical experience I received prepared me to function independently following orientation at my place of employment.

5 4 3 2 1

5. The program provided opportunity to develop critical thinking and problem solving skills to assist me in my duties as a technologist.

5 4 3 2 1

6. Educational opportunity was provided regarding professional attitudes, ethics and behaviors.

5 4 3 2 1

7. I was given feedback about my own attitudes, ethics and behaviors while in the program.

5 4 3 2 1

7. The time spent in specialized areas (CT, US, NM, MRI, IR and Radiation Oncology) was beneficial.

5 4 3 2 1

8. The didactic (classroom) education adequately prepared me to function as an entry-level technologist.

5 4 3 2 1

9. I was satisfied with the general education courses offered at Mesa State.

5 4 3 2 1

10. The didactic education adequately prepared me for the ARRT Registry Exam.

5 4 3 2 1

11. I was satisfied with the program equipment and classroom space utilized for my educational instruction.

5 4 3 2 1

12. I am continuing my education in or am working in the area of: N/A

☐ Computed Tomography  
☐ Mammography  
☐ Radiation Therapy  
☐ Interventional Radiography

☐ MRI  
☐ Ultrasound  
☐ Nuclear Medicine  
☐ Management  
☐ Education

13. I am continuing my education in a field outside of radiology.

☐ yes  
☒ no NOT AT THIS TIME BUT IN THE FUTURE

14. I am a member of my state, local or national societies

☐ yes  
☒ no

15. I am actively participating in my state, local or national societies

☐ yes  
☒ no

Do you have an additional comments or ideas for the Mesa State College Radiologic Technology program?

- DEVELOP THE CR EQUIPMENT MORE, SAW <sup>AT</sup> THE TAIL END OF  
- INTRODUCE MORE PEDIATRIC PROCEDURES &  
DIFFERENCE BETWEEN THEM & ADULTS.  
- Great program!

## EMPLOYER SURVEY

Please answer each question using the following criteria:

- |   |   |                           |
|---|---|---------------------------|
| 5 | = | strongly agree            |
| 4 | = | agree                     |
| 3 | = | neither agree or disagree |
| 2 | = | disagree                  |
| 1 | = | strongly disagree         |

1. The graduate(s) have a positive attitude about their clinical experience while in the program.

5 4 3 2 1

2. The graduate(s) are clinically prepared to function as an entry-level technologist with moderate orientation.

5 4 3 2 1

3. The graduate(s) demonstrate quality patient care skills

5 4 3 2 1

4. The graduate(s) demonstrate critical thinking and problem solving skills in their work as technologists.

5 4 3 2 1

5. The graduate(s) demonstrates good communication and teamwork skills.

5 4 3 2 1

6. The graduate(s) demonstrate professional attitude, ethics and behavior.

5 4 3 2 1

7. The graduate(s) came to my facility with a general understanding of specialized modalities (i.e.: CT, MRI, US, NM, Radiation Oncology, and CIT).

5    ④    3    2    1

8. The graduate(s) came into my facility with an appropriate level of experience in the following areas:

General diagnostic radiography	⑤	4	3	2	1	NA
Fluoroscopy	5	④	3	2	1	NA
Surgery	5	④	3	2	1	NA
Trauma radiography	⑤	4	3	2	1	NA
Portable radiography	5	④	3	2	1	NA

9. The graduate(s) have a strong didactic knowledge base.

⑤    4    3    2    1

10. Overall the graduate(s) rate a satisfactory or better on performance evaluations.

⑤    4    3    2    1

Do you have an additional comments or ideas for the Mesa State College Radiologic Technology program?

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## Candidate Exam Results

SCHOOL OF RADIOGRAPHY  
MESA STATE COLLEGE  
BETTE ANN SCHANS  
1100 NORTH AVE  
GRAND JUNCTION, CO 81501-0000

School ID: 7028  
Date Generated: 03/02/2010

This report provides program directors with exam results for first-time candidates for a specified period of time. The report is based on graduation date or on exam administration date.

Please allow two weeks after the exam date for updates to appear on this report.

Graduation Date between 01/2006 and 12/2009

Grad Date	Exam Date	Section Scaled Score					Total Scaled	Percentile		Pass/Fail
		A	B	C	D	E		Rank*		
05/2006	06/2006	9.6	8.8	9.4	9.5	9.4	94	99		Pass
05/2006	05/2006	8.7	7.9	9.4	9.1	8.8	89	84		Pass
05/2006	05/2006	8.6	9.4	9.3	7.2	8.6	84	53		Pass
05/2006	05/2006	8.4	8.8	8.7	8.6	9.9	88	78		Pass
05/2006	06/2006	8.6	8.5	7.9	8.1	9.4	84	53		Pass
05/2006	05/2006	9.4	9.1	9.1	8.9	9.9	92	96		Pass
05/2006	05/2006	8.7	8.8	8.4	9.4	9.9	90	88		Pass
05/2006	05/2006	9.1	9.4	9.4	9.8	9.7	95	100		Pass
05/2006	05/2006	8.6	8.5	7.6	8.3	9.4	84	53		Pass
05/2006	05/2006	9.4	9.4	9.5	9.4	9.7	94	99		Pass
05/2006	05/2006	9.2	8.5	8.2	8.4	9.1	86	64		Pass
05/2006	05/2006	8.7	8.2	7.6	8.2	9.4	83	45		Pass
05/2006	05/2006	8.2	8.8	9.3	9.3	9.7	90	88		Pass
05/2006	05/2006	8.9	9.9	9.3	9.1	9.7	93	98		Pass
05/2006	05/2006	7.9	7.6	7.2	8.4	9.9	81	34		Pass
05/2006	05/2006	9.1	8.8	8.8	8.3	9.7	88	78		Pass
05/2006	05/2006	9.4	9.4	9.4	8.3	9.1	90	88		Pass
05/2007	06/2007	9.1	7.0	8.8	8.6	9.4	87	72		Pass
05/2007	06/2007	8.3	8.5	7.2	8.5	8.3	81	34		Pass
05/2007	05/2007	9.1	8.8	8.5	8.4	9.4	87	72		Pass
05/2007	05/2007	8.5	9.1	8.7	8.0	9.1	86	64		Pass
05/2007	05/2007	8.9	9.9	9.0	9.4	9.7	93	98		Pass
05/2007	06/2007	8.5	8.2	7.4	8.9	9.7	85	60		Pass
05/2007	09/2007	8.7	9.4	8.1	8.4	8.9	86	64		Pass
05/2007	06/2007	9.1	8.2	8.1	9.1	9.1	88	78		Pass
05/2007	05/2007	9.1	8.2	8.7	8.4	8.3	86	64		Pass
05/2007	06/2007	9.1	9.1	9.0	8.5	9.7	90	88		Pass
05/2007	06/2007	8.7	7.9	8.7	8.9	9.7	88	78		Pass
05/2007	06/2007	8.2	7.6	8.0	8.0	8.0	80	29		Pass
05/2007	06/2007	8.2	8.5	7.1	8.5	9.4	82	38		Pass
05/2007	06/2007	9.2	8.5	8.1	8.0	9.4	85	60		Pass
05/2007	06/2007	8.9	9.1	8.4	9.5	8.6	89	84		Pass

05/2007	08/2007	9.4	9.4	9.0	8.1	8.9	88	78	Pass
05/2007	06/2007	9.1	8.8	9.2	8.3	9.7	89	84	Pass
05/2007	07/2007	8.9	7.9	8.8	9.1	9.4	89	84	Pass
05/2008	05/2008	8.7	9.3	9.5	8.6	9.7	91	92	Pass
05/2008	05/2008	8.5	8.7	8.2	8.6	8.8	85	60	Pass
05/2008	05/2008	8.9	9.4	9.1	9.1	8.8	91	92	Pass
05/2008	05/2008	8.5	9.1	8.7	8.6	9.7	88	78	Pass
05/2008	05/2008	7.6	7.6	7.8	7.9	9.1	79	24	Pass
05/2008	05/2008	9.1	8.8	8.9	8.9	9.4	90	88	Pass
05/2008	05/2008	8.9	8.8	9.1	8.4	9.1	88	78	Pass
05/2008	05/2008	9.0	9.3	9.1	9.3	9.1	92	96	Pass
05/2008	06/2008	9.1	6.7	7.8	7.8	9.7	82	38	Pass
05/2008	06/2008	7.8	7.9	7.1	8.9	9.1	81	34	Pass
05/2008	05/2008	7.6	7.8	7.6	8.6	9.1	81	34	Pass
05/2008	05/2008	9.2	9.3	9.7	9.1	9.4	93	98	Pass
05/2008	06/2008	9.6	9.1	8.5	8.2	8.6	87	72	Pass
05/2008	06/2008	7.6	7.9	8.1	7.4	9.1	79	24	Pass
05/2008	08/2008	8.8	8.4	8.6	7.9	8.8	84	53	Pass
05/2008	06/2008	8.3	7.9	7.8	7.0	8.6	78	20	Pass
05/2008	06/2008	8.3	7.9	8.4	8.4	8.8	84	53	Pass
05/2009	05/2009	9.1	9.4	8.7	8.8	8.0	88	78	Pass
05/2009	05/2009	9.2	8.4	8.9	9.1	9.7	91	92	Pass
05/2009	05/2009	8.7	7.9	9.7	7.7	9.1	86	64	Pass
05/2009	05/2009	8.5	8.4	7.5	8.4	8.8	82	38	Pass
05/2009	05/2009	8.3	9.3	9.1	8.6	7.7	86	64	Pass
05/2009	05/2009	9.2	9.4	9.2	8.2	9.7	90	88	Pass
05/2009	05/2009	8.3	7.9	9.0	8.9	9.9	88	78	Pass
05/2009	05/2009	8.3	6.4	7.7	7.7	8.0	77	18	Pass
05/2009	05/2009	8.3	9.0	8.8	9.0	9.4	89	84	Pass
05/2009	05/2009	8.5	7.6	8.8	8.4	7.8	83	45	Pass
05/2009	05/2009	9.0	9.6	9.2	9.0	9.1	91	92	Pass
05/2009	06/2009	9.2	9.9	9.2	9.2	9.7	94	99	Pass
05/2009	07/2009	8.5	9.0	8.5	7.4	9.7	84	53	Pass
05/2009	07/2009	9.2	9.3	9.2	8.6	9.4	91	92	Pass
05/2009	09/2009	9.2	9.3	8.9	8.9	9.4	91	92	Pass
05/2009	10/2009	7.9	9.3	8.6	7.1	9.7	83	45	Pass
06/2009	06/2009	8.9	8.5	8.8	8.4	9.4	87	72	Pass

**Exam Date Range Summary**

<b>Report Total</b>	<b>8.7</b>	<b>8.6</b>	<b>8.6</b>	<b>8.5</b>	<b>9.2</b>	<b>87</b>	<b>69 examinees</b>	<b>100%</b>
---------------------	------------	------------	------------	------------	------------	-----------	---------------------	-------------

\*A percentile rank indicates the percentage of scores at or below a particular scaled score. For example, a percentile rank of 99 indicates that 99 percent of scores were at or below a scaled score of 94. Percentile ranks are rounded to the nearest whole number.

Content specifications that serve as the basis for section scores are periodically revised. Consult this [link](#) to see the content specifications for the past several years.

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MESA STATE COLLEGE  
Nursing and Radiologic Sciences

Radiologic Technology Program

Class of 2006

<u>Student</u>	<u>Status</u>	<u>Employment</u>
1.	Graduated	Yes
2.	Graduated	Yes
3.	Graduated	Yes
4.	Graduated	Yes
5.	Withdrew	
6.	Graduated	Yes
7.	Graduated	Yes
8.	Graduated	Yes
9.	Graduated	Yes
10.	Graduated	Yes
11.	Graduated	Yes
12.	Graduated	Yes, continued ed
13.	Graduated	Yes
14.	Graduated	Yes
15.	Graduated	Yes
16.	Graduated	Yes
17.	Graduated	Yes
18.	Graduated	Yes
Total Enrollment	18	
Withdrew	1	
Total Graduated	17	

Department of Health Sciences  
Radiologic Technology Program

Class of 2007

<u>Student</u>	<u>Status</u>	<u>Employment</u>
1.	Graduated	Yes
2.	Graduated	Yes, continuing ed.
3.	Graduated	Yes
4.	Graduated	Yes
5.	Graduated	Yes, continuing ed
6.	Graduated	Yes
7.	Graduated	Yes
9.	Graduated	(not in XR)
10.	Graduated	Yes
11.	Graduated	Yes
12.	Graduated	Yes
13.	Graduated	unknown
14.	Graduated	Yes
15.	Graduated	Yes
16.	Graduated	Yes
17.	Graduated	Yes
18.	Graduated	Yes (Not in XR)
Total Enrollment	18	
Withdrew	0	
Total Graduated	18	

Department of Health Sciences  
Radiologic Technology Program

Class of 2008

<u>Student</u>	<u>Status</u>	<u>Employment</u>
1.	Graduated	Working
2.	Graduated	Working
3.	Graduated	Working
4.	Graduated	Working
5.	Graduated	Working
6.	Graduated	looking for emp.
7.	Graduated	Working
8.	Failed	
9.	Graduated	Working
10.	Graduated	Working
11.	Graduated	Working
12.	Graduated	Working
13.	Graduated	Working
14.	Graduated	Working
15.	Graduated	Working
16.	Graduated	Working
17.	Graduated	Working
18.	Graduated	Working

Total Enrollment	18
Withdrawn	
Failed	1
Total Graduated	17

Department of Health Sciences  
Radiologic Technology Program

Class of 2009

<u>Student</u>	<u>Status</u>	<u>Employment</u>
1.	Graduated	Unknown
2.	Graduated	seeking employment
3.	Graduated	Working
4.	Graduated	Working
5.	Graduated	Working
6.	Graduated	Working
7.	Graduated	Working
8.	Withdrew	
9.	Graduated	seeking employment
10.	Graduated	Working
11.	Graduated	Working
12.	Graduated	Working
13.	Graduated	Working
14.	Graduated	Working
15.	Graduated	unknown
16.	Graduated	Working
17.	Graduated	Working
18.	Graduated	not in field

Total Enrollment	17
Added	1
Withdrew	1
Total Graduated	17

MESA STATE COLLEGE  
Health Sciences Department  
Radiologic Technology Program  
Program Advisory Committee Meeting Minutes  
April 19, 2007

In attendance: Kristy Reuss, Joanne Hunter, Patti Ward, Mavis Bounds, Cheryl Heuschkel, Susie Mallory, Pat Gimbel, Donna Slothower, Sharon Wolf, Bodie Blowers, Bette Schans

1. Greeting were given to all in attendance.
2. Kristy gave an update on the renovation of Saunders Field House and said that our department will be moving in the next couple of years.
3. The minutes of the November 16, 2006 were reviewed and approved.
4. We have accepted our new class of students. We had 88 applicants, interviewed 49 and accepted 18. This is getting more difficult each year because the pool is so good.
5. We have been working on the curriculum for the Bachelor's degree and will submit it to curriculum committee this fall. This is our best chance yet to start this program and the President and Vice President have expressed a positive interest in it. There will be a core of courses as well as specialization courses that will be included. Students in the courses must find their own clinical sites for competencies. An additional 20 hours of general education course work must also be completed.
6. We discussed the CT course and the advisory committee determined that there was not enough interest to hold the course again. CT will be included in the new curriculum.
7. We reviewed the grant received and the advisory committee was shown the new equipment.
8. The committee reviewed the assessment and evaluation plan from 2006-2007. While there were no major concerns, we discussed the employer and graduate surveys. We did not meet our benchmark on employer satisfaction and barely met the benchmark for graduate satisfaction of clinical experience. We discussed the group of graduates and concluded that it was an overall more negative group than classes in the past. We will continue to work with both in the classroom to provide the students with better skills and perhaps more positive learning experiences at clinical.

## **Clinical Issues**

### **New procedure forms**

Beginning this summer all students will begin to use a new streamlined procedure form.

### **Affiliate clinical instructor issues involving first-year students**

- a. Students will stay at the same clinical facility for the first two semesters of the program.
- b. Any registered technologist may grade first year student procedures. The clinical instructor will continue to do all of the room check-offs and mock procedure evaluations.

### **Affiliate clinical instructor issues involving second-year students**

- a. Reminder: Only affiliate clinical instructors can grade professional evaluations.
- b. Patti wants to create a document for students using the housing provided by clinical sites. The clinical facilities are asked to let her know what procedure they want to student to follow, what is provided for the student, and what they should expect to bring.

Submitted,

Bette Schans  
Patti Ward

MESA STATE COLLEGE  
Health Sciences Department  
AAS Radiologic Technology Program

Program Meeting Minutes  
April 23, 2009

In attendance: Pat Gimbel, Susie Mallory, Mary Brennan-Combs, Donna Slothower, Mavis Bounds, Susan Hudson, Sandra Soria, Karen Murch, Kristina Pike, Joanne Hunter, David Hanes, Marsha Ross, Linda Richmond, Sharon Wolf, Bette Schans

1. Everyone was introduced and welcomed.
2. The minutes of the November 13, 2009 meeting were approved.
3. We have selected our new students for fall and will start with 20 students. Family Health West will be opening in July and we will place 1<sup>st</sup> year students there this year. We had 90 applicants, interviewed 55 and selected the 20 that are starting this fall.
4. We will be moving into Saunders Field House in July. The new lab will be installed in August in time for the first day of class. We have applied for a grant to purchase new energized equipment so we can have two units in the new lab. We will also have a dedicated classroom for rad tech next to the lab.
5. There was discussion about our program assessment and evaluation. We are doing very well as a program and having the members of the advisory committee offer suggestions for bettering the program certainly has played a part in being a quality program.
6. In addition to Family Health West being a clinical site, we will have an affiliate agreement with Rangely District Hospital to serve as a clinical rotation for 2<sup>nd</sup> year students. This will start in 2010.
7. Clinical Issues
  - a. Cell phone use by students is prohibited at the clinical site regardless of staff using cell phones. Our concern is abuse of phone calls and texting during clinical hours.
  - b. We are adding the vericella immunization to the list of vaccines for the students.
  - c. JRCERT will be requiring evaluation of affiliate clinical instructors in the new standards that will be implemented in January 2010. We hope to have the new evaluation form for review by the advisory committee in November.
  - d. It is the policy of the Mesa State College Radiologic Technology program that students will not manipulate images or crop (border) images at the work station prior to sending the images to the radiologists. Bette distributed copies of statements by experts in the field regarding the reduction of image quality when manipulated at the work station. If the technologist approving the images of the students chooses to manipulate the image, that is their decision but the student will not be allowed to do so even if told by the technologist that it is ok.

- e. Concerns 1<sup>st</sup> year students - students have a tendency to over-oblique wrists. Clinical instructors were assured that the students are taught in both classroom and lab that the oblique wrist is 45 degrees and are not taught to rotate more than that.
- f. Concerns 2<sup>nd</sup> year students – there were no concerns.

Submitted

Dr. Beth CPL RT(R)



MESA STATE COLLEGE  
Health Sciences Department  
AAS Radiologic Technology

Program Advisory Committee  
Meeting Minutes  
December 3, 2009

Present: Michelle Angelo, Yolanda Ryan, Mavis Bounds, Sandra Soria, Susan Hudson, Linda Richmond, Matt Martinez, Joanne Hunter, Susie Mallory, Pat Gimbel, Ginny Schneider, Karen Murch, Patti Ward, Bette Schans

1. The minutes of the April 23, 2009 meeting were reviewed and approved.
2. 20 students started the program in August. One applicant who decided not to come into the program was replaced by another applicant the end of July.
3. The Interim report for the JRCERT is due April 1, 2010. The faculty will be working to gather the necessary information for the report.
4. The new x-ray equipment will be installed next week. We had requested enough funding for both a new energized unit and a DR plate but we were given enough funding for the energized equipment. The equipment will help with labs in the future.
5. We still have a need for a 1<sup>st</sup> year clinical instructor. Donna retired in May and we had not had many applicants. We asked the committee if they knew of any technologists in need of part-time work. NOTE: as of today, December 16, Donna has agreed to return to help with 1<sup>st</sup> year clinical.

Matt Martinez has joined our faculty as the 2<sup>nd</sup> year clinical instructor. He is a great addition to the faculty!

6. We took a tour of the new classroom and lab as well as the new sim lab for nursing.
7. Everyone was given the current assessment and evaluation plan for our program. The one area of concern with little that can be done about it is the employment benchmark. We had lowered it from the 2007-8 of 90% to 80% in the 2008-09 plan. This year, as of November, only 84% of the May graduates had found any type of employment. I don't know if we will see much improvement in the next few years.

Note: one other area of concern reviewed by all on the evaluation plan is that of technique with digital imaging. We will continue to emphasize technique in classes and labs and are encouraging the clinical sites to work with the students to promote ALARA through reduced technique.

8. Old Business –
  - a. We again reiterated the policy of no cell phones at the clinical sites. It had been reported that one student was texting during patient examinations. This is not to be tolerated and the student will be sent home and will face disciplinary actions.
  - b. We reported in April that the college would be requiring the Vericella vaccine. This, at this time is no longer a requirement.
9. Student clinical concerns
  - a. Again, we are stressing the policy that students may not shutter nor manipulate images at the work station. If the supervising technologist does this, that is his/her responsibility.
  - b. Some students were voicing a concern that technologists were requesting use of the students' markers during an exam. The committee was reminded that our policy is that students use their markers when they are performing the examination.

Again, thank you advisory committee for all of your suggestions and help with our program.

Submitted,

Dr. Beth CPL RT(R)

**MESA STATE COLLEGE  
RADIOLOGIC TECHNOLOGY  
PROGRAM MEETING**

DATE 3/16/2009 TIME 3:00 pm

FACULTY PRESENT Bette  
Patti  
Donna

**ITEMS DISCUSSED**

1. Fall semester - Patti to return full time
2. Mission + Goals
3. Applications and interviews
4. Student concerns - Jose passing, first years
5. doing well
6. \_\_\_\_\_
7. \_\_\_\_\_

**ACTIONS TO BE TAKEN AND DATES COMPLETED**

1. Division of credit hours - BAS program hours
2. No action - keep same goals
3. Interviews will take place March 23-25 57 interviews
4. Work with Jose in review class + study sessions
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_

MESA STATE COLLEGE  
RADIOLOGIC TECHNOLOGY  
PROGRAM MEETING

DATE 2/28/08 TIME 12 noon  
FACULTY PRESENT Bette, Patti, Donna  
Kristy

ITEMS DISCUSSED

1. Assessment Plan
2. BE procedure form
3. continuing ed for clinical instructors
4. Patti sabbatical
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_

ACTIONS TO BE TAKEN AND DATES COMPLETED

1. Changes made to plan - will have results by end of semester
2. Be eval needs to be put in module - will do this week
3. clin ed - topics - "Facilitate positive working relationship" & students
4. going over forms, rules required for students - cultural
5. + generational differences, learning styles - have suggestions by next meeting
6. Donna will become temp. clin. coord
7. Patti will move out of Rad club admission

Students will be able to work & tech during exams p lecture & lab - Patti will fix flow chart and hand out in lab.

2626

## STANDARD EIGHT

- 8.1 Radiation exposure data is addressed in the Student Handbook. The policies of radiation safety are discussed in the first semester by reviewing the handbook and by discussing radiation safety in the first clinical course. Students must sign that they have read the policies in the handbook and that they agree to abide by them. The handbook policies are reviewed at the beginning of the second year clinical and in the last semester of clinical. All students are reminded on a frequent basis to check their radiation reports. Any student exceeding 100 mr per month is counseled by the radiation safety officer (clinical coordinator). Please see student signature pages in document 8.1.
- 8.3 Radiation safety is first discussed in RTEC 114, Clinical Lab the first semester of the program. It is next discussed in RTEC 135 – Radiation Biology and Protection. There is a class devoted to discussion of the radiation monitor reports in 135. Radiation safety is emphasized in all classes from positioning to technique to pathology to critique and review. Please see document 8.3.
- 8.4 Not applicable
- 8.5-
- 8.7 Students are made aware of the direct, indirect and repeat supervision first by reviewing the Student Handbook in the first semester of Clinical Lab (RTEC 114). Each clinical site is given the student handbook and we discuss the policies with the clinical instructors at our advisory committee meetings at least once per year (see document 8.7). The clinical coordinator reviews the handbook and the supervision policies in particular at every clinical site each year. Students are reminded at the beginning of each semester regarding supervision policies. While a formal question is not asked in surveys, we do discuss compliance with the policy with students and clinical instructors on a regular basis.
- 8.8 All clinical sites are in compliance with applicable state or federal radiation safety laws. The two energized x-ray units in the lab at the college are in compliance. Please see document 8.8.

### ***Transportation of Patients***

First year students are restricted from transporting patients without the direct supervision of a registered technologist or transporter employed by the facility.

Second year students may transport patients without supervision.

### ***Radiation Monitoring***

A dosimeter and dosimeter holder will be issued to the student prior to the first clinical day. The dosimeter must be worn during all clinical and lab experiences where there is potential for the use of ionizing radiation. A lost dosimeter must be reported immediately to the radiation safety officer.

Consequences for failure to wear the dosimeter at the clinical site will require the student to:

1st violation: leave the clinical site to obtain the dosimeter. The student will receive either an absence or tardy depending on the length of time they were gone.

2nd violation: leave the clinical site to obtain the dosimeter. The student will receive an absence and a verbal warning.

3rd violation: leave the clinical site to obtain the dosimeter. The student will receive an absence, five percent off the final grade, and a written warning.

4th violation: leave the clinical site to obtain the dosimeter. The student could potentially be dismissed from the program.

The student will be required to pay \$10.00 (price subject to change) for each dosimeter that is lost or not returned. The dosimeter and holder must be returned upon termination or graduation from the program.

Dosimeters are in effective from the 10th of the month, through the 9th of the following month. As required by federal law, exchange requirements must be strictly followed. The dosimeter must be exchanged by the 10th of each month at the clinical coordinator's office. Students are responsible for picking up and returning their own dosimeter. This is not the responsibility of others. Failure to exchange the dosimeter as specified will result in a reduction in the *Evaluation of Professional Behavior, Ethics, and Attitudes*.

The radiation report will be posted by the clinical coordinator's office each month. Each student will be issued a code number to check individual radiation dose equivalent accumulations.

### ***Privacy of Student Records***

In compliance with the Family Educational Right and Privacy Act (FERPA) the student has the right to non-disclosure of grades. All graded evaluations must be kept in a secure area until returned to the student by the evaluator or clinical instructor.

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## RADIATION DOSIMETRY REPORT

ACCOUNT NO.	SERIES CODE	ANALYTICAL WORK ORDER	REPORT DATE	DOSIMETER RECEIVED	REPORT TIME IN WORKDAYS	PAGE NO.
85540		0635840028	12/28/06	12/22/06	3	1

PARTICIPANT NUMBER	NAME			DOSIMETER	USE	RADIATION QUALITY	DOSE EQUIVALENT (MREM) FOR PERIODS SHOWN BELOW			QUARTERLY ACCUMULATED DOSE EQUIVALENT (MREM)			YEAR TO DATE DOSE EQUIVALENT (MREM)			LIFETIME DOSE EQUIVALENT (MREM)			RECORDS FOR YEAR	INCEPTION DATE (MM/YY)
	ID NUMBER	BIRTH DATE	SEX				DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE		
FOR MONITORING PERIOD:							12/10/06 - 01/09/07			QTR 4			2006							
00000	CONTROL			Pa	CNTRL		M	M	M										14	10/72
00488	ANGUSANO ERICA	10/10/1948	F	Pa	CHEST		UNUSED			M	M	M	M	M	M	1	1	2	7	01/04
00489	ANGUSANO ERICA	12/09/1976	F	Pa	CHEST		UNUSED			7	7	6	52	56	58	52	56	58	12	10/05
00490	LOCCARINO TENNEL	12/23/1972		Pa	CHEST		UNUSED			10	10	8	55	58	58	55	58	60	12	10/05
00491	CARROLL DANIE	11/04/1979		Pa	CHEST		UNUSED			4	5	5	76	90	103	76	90	105	12	10/05
00492	CRIVELLO VERONICA	04/18/1988		Pa	CHEST		UNUSED			3	3	4	41	47	52	42	48	77	12	10/05
00493	DANIELSON BEN	02/22/1983		Pa	CHEST		UNUSED			M	M	M	41	58	61	41	58	61	12	10/05
00494	DEPOSE NICOLE	01/25/1986		Pa	CHEST		UNUSED			M	M	1	41	41	43	41	41	43	12	10/05
00495	GRACE LAURA	02/20/1970		Pa	CHEST		UNUSED			3	5	5	47	59	61	47	59	61	12	10/05
00496	HERRERA JESSICA	03/22/1984		Pa	CHEST		UNUSED			M	M	1	45	47	52	45	47	54	12	10/05
00497	OSBURN SUSAN	09/10/1947		Pa	CHEST		UNUSED			M	2	3	23	37	48	23	37	48	13	10/05

M: MINIMAL REPORTING SERVICE OF 1 MREM

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ANALYST: J. ADAMS



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## RADIATION DOSIMETRY REPORT

ACCOUNT NO.	SERIES CODE	ANALYTICAL WORK ORDER	REPORT DATE	DOSIMETER RECEIVED	REPORT TIME IN WORK DAYS	PAGE NO.
65540		0732030183	11/21/07	11/18/07	3	1

PARTICIPANT NUMBER	NAME			DOSIMETER	USE	RADIATION QUALITY	DOSE EQUIVALENT (MREM) FOR PERIODS SHOWN BELOW			QUARTERLY ACCUMULATED DOSE EQUIVALENT (MREM)			YEAR TO DATE DOSE EQUIVALENT (MREM)			LIFETIME DOSE EQUIVALENT (MREM)			RECORDS FOR YEAR	INCEPTION DATE (MMYY)
	ID NUMBER	BIRTH DATE	SEX				DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE		
FOR MONITORING PERIOD:							10/10/07 - 11/09/07			QTR 4			2007							
00000	CONTROL			Pa	CNTRL		M	M	M										12	10/72
00507	BROOME MARJORIE			Pa	WHBODY	P	13	27	28	13	27	28	16	33	40	23	45	51	10	10/06
		10/27/1953																		
00508	BROSBACH KRYSTAL			Pa	WHBODY		M	M	M	M	M	M	25	43	49	25	43	49	10	10/06
		12/27/1986	F																	
00509	CHICKY KRISTINA			Pa	WHBODY	P	M	M	1	M	M	1	4	8	12	4	8	12	10	10/06
		10/01/1986	F																	
00510	COLEMAN COURTNEY			Pa	WHBODY		M	M	M	M	M	M	15	22	27	15	22	27	10	10/06
		02/27/1987	F																	
00511	DOVE VERAN			Pa	WHBODY		M	M	M	M	M	M	M	2	5	M	2	5	10	10/06
		11/14/1984	F																	
00512	EDWARDS NATASSA			Pa	WHBODY		M	M	M	M	M	M	5	28	41	5	28	41	10	10/06
		04/16/1987	F																	
00513	FYKES RANDY			Pa	WHBODY	P	7	11	10	7	11	10	64	83	85	64	83	85	10	10/06
		03/18/1986																		
00515	HAMILTON DANIEL			Pa	WHBODY		M	M	M	M	M	M	M	24	44	M	24	44	10	10/06
		08/16/1978	M																	
00516	HERNANDEZ JOSE			Pa	WHBODY		M	M	M	M	M	M	10	24	34	10	24	34	10	10/06
		02/27/1980	M																	
00517	HOCKENBERRY JENNIFER			Pa	WHBODY	P	17	40	47	17	40	47	27	64	90	27	64	90	10	10/06
		02/15/1983	F																	
00518	KING JENNA			Pa	WHBODY		M	M	M	M	M	M	7	9	14	7	9	14	10	10/06
		01/03/1978	F																	

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ACCOUNT NO.	SERIES CODE	ANALYTICAL WORK ORDER	REPORT DATE	DOSIMETER RECEIVED	REPORT TIME IN WORK DAYS	PAGE NO.
85540		0814180248	05/28/08	05/20/08	5	1

PARTICIPANT NUMBER	NAME			DOSIMETER	USE	RADIATION QUALITY	DOSE EQUIVALENT (MREM) FOR PERIODS SHOWN BELOW			QUARTERLY ACCUMULATED DOSE EQUIVALENT (MREM)			YEAR TO DATE DOSE EQUIVALENT (MREM)			LIFETIME DOSE EQUIVALENT (MREM)			RECORDS FOR YEAR	INCEPTION DATE (MM/YY)
	ID NUMBER	BIRTH DATE	SEX				DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE		
FOR MONITORING PERIOD:							04/10/08 - 05/09/08			QTR 2			2008							
00507	BRUNCKE MARJORIE	10/27/1953		Pa	WHBODY	*P	35	38	38	35	38	38	233	238	230	258	288	288	4	10/08
00508	BRUNBACK KRISTAL	12/27/1986	F	Pa	WHBODY	*P	10	10	9	10	10	9	18	28	29	41	69	78	4	10/08
00509	CHEN HONG	10/01/1988	F	Pa	WHBODY	*P	14	18	20	14	18	20	19	28	30	25	38	45	4	10/08
00510	COLEMAN COURTNEY	02/27/1987	F	Pa	WHBODY	*P	7	8	8	7	8	8	10	18	19	27	46	53	4	10/08
00511	DOVE MEGAN	11/14/1984	F	Pa	WHBODY	*P	8	8	8	8	8	8	8	8	8	8	8	11	7	10/08
00512	EDWARDS NATASHA	04/18/1987	F	Pa	WHBODY	*P	11	13	13	11	13	13	12	18	21	17	47	67	4	10/08
00513	FITZGERALD KOEDS	03/18/1988		Pa	WHBODY	*PM	57	57	58	57	57	58	81	78	80	129	170	177	4	10/08
00515	HAMILTON DANIEL	08/16/1978	M	Pa	WHBODY	*P	13	13	11	13	13	11	27	32	33	29	58	82	4	10/08
00516	HERNANDEZ JOSE	02/27/1980	M	Pa	WHBODY	*P	10	10	10	10	10	10	13	17	17	23	42	53	4	10/08
00517	HOCKENBERRY JENNIFER	02/15/1983	F	Pa	WHBODY	*P	11	11	10	11	11	10	31	44	44	81	111	139	4	10/08
00518	KING AMANDA	01/03/1978	F	Pa	WHBODY	*P	7	7	7	7	7	7	7	9	12	14	18	26	4	10/08

M: MINIMAL REPORTING SERVICE OF 1 MREM

QUALITY CONTROL RELEASE: RCH

1 - PR 9010 - RPT1308- N1

- 14148

\* - NO CONTROL SUBTRACTED, 6 MREM PER MONTH SUBTRACTED

NVLAQ

MESA STATE COLLEGE  
ATTN PATTI WARD  
RAD TECH PROGRAM  
1100 NORTH AVE  
GRAND JUNCTION CO 81501

# LANDAUER®

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586  
Telephone: (708) 755-7000 Facsimile: (708) 755-7016  
Customer Service: (800) 323-8830 Customer Service Technical: (800) 438-3241  
www.landauerinc.com



## RADIATION DOSIMETRY REPORT

ACCOUNT NO.	SERIES CODE	ANALYTICAL WORK ORDER	REPORT DATE	DOSIMETER RECEIVED	REPORT TIME IN WORK DAYS	PAGE NO.
85540		0830170084	11/04/09	10/28/09	5	1

PARTICIPANT NUMBER	NAME			DOSIMETER	USE	RADIATION QUALITY	DOSE EQUIVALENT (MREM) FOR PERIODS SHOWN BELOW			QUARTERLY ACCUMULATED DOSE EQUIVALENT (MREM)			YEAR TO DATE DOSE EQUIVALENT (MREM)			LIFETIME DOSE EQUIVALENT (MREM)			RECORDS FOR YEAR	INCEPTION DATE (MM/YY)	
	ID NUMBER	BIRTH DATE	SEX				DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE			
FOR MONITORING PERIOD 09/10/09 - 10/09/09							09/10/09	09/10/09	10/09/09	QTR 3			2009								
00000	CONTROL			Pa	CNTRL		M	M	M											12	10/72
00543				Pa	WHBODY	P	28	28	21	38	42	42	38	42	42	38	42	42	9	10/08	
00544				Pa	WHBODY	P	4	4	3	11	12	11	11	12	11	11	12	11	9	10/08	
00545				Pa	WHBODY	P	3	3	3	9	9	8	9	10	14	9	10	14	9	10/08	
00546				Pa	WHBODY	P	M	2	3	10	12	12	20	22	20	20	22	20	9	10/08	
00547				Pa	WHBODY	P	1	1	2	8	8	8	6	8	8	6	8	8	9	10/08	
00548				Pa	WHBODY	P	M	M	M	7	7	8	7	7	8	7	7	6	10	10/08	
00549				Pa	WHBODY	P	24	24	21	31	31	27	31	38	37	31	38	37	9	10/08	
00550				Pa	WHBODY	P	8	8	6	21	21	18	21	23	22	21	23	22	9	10/08	
00551				Pa	WHBODY	P	3	3	2	14	14	12	14	15	14	14	15	14	9	10/08	
00552				Pa	WHBODY	P	M	3	6	4	7	10	10	18	20	10	18	20	10	10/08	

M: MINIMAL REPORTING SERVICE OF 1 MREM

QUALITY CONTROL RELEASE: DRB

1 - PR 9375 - RPT1308- M1

- 30184

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## RADIATION DOSIMETRY REPORT

ACCOUNT NO.	SERIES CODE	ANALYTICAL WORK ORDER	REPORT DATE	DOSIMETER RECEIVED	REPORT TIME IN WORK DAYS	PAGE NO.
85540		1005420151	03/02/10	02/23/10	5	1

PARTICIPANT NUMBER	NAME			DOSIMETER	USE	RADIATION QUALITY	DOSE EQUIVALENT (MREM) FOR PERIODS SHOWN BELOW			QUARTERLY ACCUMULATED DOSE EQUIVALENT (MREM)			YEAR TO DATE DOSE EQUIVALENT (MREM)			LIFETIME DOSE EQUIVALENT (MREM)			RECORDS FOR YEAR	INCEPTION DATE (MM/YY)
	ID NUMBER	BIRTH DATE	SEX				DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE		
FOR MONITORING PERIOD:							01/10/10 - 02/09/10			QTR 1			2010							
00000	CONTROL			Pa	CNTRL		M	M	M										1	10/72
00543	SUTHERLAND, ROY			Pa	WHBODY		M	M	M	M	M	M	M	M	M	39	53	57	1	10/08
		04/25/1987																		
00544	BREWER, BRIELLE			Pa	WHBODY	P	2	4	3	2	4	3	2	4	3	13	17	17	1	10/08
		04/02/1988																		
00545	BROWN, BRYAN			Pa	WHBODY	P	M	M	2	M	M	2	M	M	2	14	27	38	1	10/08
		11/27/1986																		
00546	BRISAK, UGA			Pa	WHBODY	P	1	5	6	1	5	6	1	5	6	21	30	31	1	10/08
		06/30/1978																		
00547	BROWN, JASON			Pa	WHBODY		M	M	M	M	M	M	M	M	M	6	7	10	1	10/08
		07/18/1985																		
00548	LAJOIE, JASON			Pa	WHBODY	P	M	11	15	M	11	15	M	11	15	7	19	25	1	10/08
		03/13/1985																		
00549	SHARON, SHERRY			Pa	WHBODY	P	3	7	8	3	7	8	3	7	8	59	74	78	1	10/08
		11/17/1989																		
00550	MOSS, STEET			Pa	WHBODY	P	4	3	1	4	3	1	4	3	1	34	49	49	1	10/08
		02/27/1988																		
00551	NEELSON, NELSON			Pa	WHBODY	P	1	M	M	1	M	M	1	M	M	17	22	28	1	10/08
		09/23/1980																		
00552	PETERSEN, MICHELLE			Pa	WHBODY	P	M	3	3	M	3	3	M	3	3	17	28	31	1	10/08
		04/06/1988																		

M: MINIMAL REPORTING SERVICE OF 1 MREM

QUALITY CONTROL RELEASE: DRB

1 - PR 9454 - RPT1308- N1

- 05451

NVLAQ

**MESA STATE COLLEGE**

**Health Sciences**

***Radiologic Technology Program***

**RTEC 114**

**Clinical Experience I**

**Fall 2009**

## **Unit 6 - Basic Radiation Protection and Radiographic Image Identification**

### ***Outline***

- I. Radiation Protection
  - A. Time
  - B. Distance
  - C. Shielding
- II. Radiation Monitoring
  - A. Radiation dosimeters
  - B. Radiology Program system
- III. Radiographic Image Identification
  - A. Permanent markers
    - 1. Side markers
    - 2. Accessory markers
  - B. Patient identification

### ***Objectives***

- 1. Identify the need to minimize unproductive radiation exposure to humans.
- 2. Identify ways to protect the patient from overexposure to radiation.
- 3. Identify ways to protect a radiation worker from overexposure to radiation.
- 4. Discuss forms of radiation monitoring for occupational workers.
- 5. Discuss how the Radiologic Technology Program monitors personal radiation exposure.
- 6. Discuss the importance of using permanent markers on radiographic images.
- 7. Discuss the importance of providing permanent patient identification information on a radiographic image.

### ***Evaluation***

Written quiz #6

**MESA STATE COLLEGE**

**RADIOLOGIC TECHNOLOGY**

**RTEC 135**

**RADIATION BIOLOGY  
AND  
PROTECTION**

- N. Shielding
- O. Exposure Factors
- P. Film/Screen combination

## II. Personnel Protection

### A. Personnel Protective Devices

1. apron
2. gloves
3. movable shields
4. protective drape or sliding panel (fluoroscopic)
5. bucky slot shielding device (fluoroscopic)
6. cumulative timing device (fluoroscopic)

### B. Personnel Monitoring Devices

1. Optically Stimulated Luminescence Badges
  - a. area to be worn
    - 1) routine procedures
    - 2) fluoroscopic procedures
    - 3) mobile radiographic procedures
  - b. components of the badge
  - c. reports

## Learning activities:

Lecture

Reading assignments: Bushong, Chapter 40  
Appendix C, D

Evaluation: Exam - 100 points

Comprehensive Final - 200 points



- c. disadvantages for use
- 3. Geiger-Mueller detector
  - a. principle
  - b. applications
  - c. purpose
  - d. advantages for use
  - e. disadvantages for use
- 4. calibration instruments
  - a. victoreen condensor r-meter
    - 1) measurement
    - 2) purpose

Learning activities:

Lecture

Reading Assignments: Bushong- Chapter 39

Appendix G

Evaluation: Examination 100 points

## UNIT FIVE RADIATION PROTECTION PROCEDURES

### I. Patient Protection

- A. Effective Communication (radiographer and patient)
- B. Beam Limiting Devices
  - 1. collimators
  - 2. cones
  - 3. diaphragms
- C. Filtration
- D. Shielding (gonadal)
  - 1. flat contact shields
  - 2. shadow shields
  - 3. shaped contact shields
- F. Exposure Factors
- G. Film/Screen Combination
- H. Repeat Radiographs
  - 1. motion
  - 2. radiographic processing
  - 3. carelessness or poor judgment
- I. Immobilization
- J. Fluoroscopic Procedures
- K. Mobile Radiography
- L. Beam Limiting Devices
- M. Filtration



- N. Shielding
- O. Exposure Factors
- P. Film/Screen combination

## II. Personnel Protection

### A. Personnel Protective Devices

1. apron
2. gloves
3. movable shields
4. protective drape or sliding panel (fluoroscopic)
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### B. Personnel Monitoring Devices

1. Optically Stimulated Luminescence Badges
  - a. area to be worn
    - 1) routine procedures
    - 2) fluoroscopic procedures
    - 3) mobile radiographic procedures
  - b. components of the badge
  - c. reports

## Learning activities:

Lecture

Reading assignments: Bushong, Chapter 40  
Appendix C, D

Evaluation: Exam - 100 points

Comprehensive Final - 200 points

## *Clinical Supervision of Students*

Until the student has:

1. Completed and passed the simulated positioning procedure for a given unit
2. Performed an acceptable procedure in the clinical setting for each exam

all clinical assignments shall be carried out under the **DIRECT SUPERVISION** of a qualified radiographer.

The parameters of direct supervision are:

1. A qualified radiographer reviews the request for examination in relation to the student's achievement;
2. A qualified radiographer evaluates the condition of the patient in relation to the student's knowledge;
3. A qualified radiographer is present during the conduct of the examination;
4. A qualified radiographer reviews and approves the images.

Once competency has been documented, the student may perform procedures with **INDIRECT SUPERVISION**.

The parameters of indirect supervision are:

1. A qualified radiographer is immediately available to assist the student regardless of the level of student achievement. "Immediately available" means the qualified radiographer is adjacent to the location where the procedure is taking place.
2. A qualified radiographer reviews and approves the images.

### *Repeat Images*

A qualified radiographer must review any image made by a student to determine if it is of optimal quality. Under no circumstance is a student to repeat an image without direct order from a qualified radiographer. All unsatisfactory images shall be repeated in the presence of a qualified radiographer, regardless of the student's level of competency.

The process of a repeat image is:

1. A qualified radiographer determines the necessity of a repeat image;
2. The student, under **DIRECT SUPERVISION**, produces another image;
3. The qualified radiographer reviews and approves the image.

### *Documentation*

It is the student's responsibility to document the registered technologist who reviewed and approved the images.

### *Qualified radiographer*

Credentialed, in good standing, in radiography by the American Registry of Radiologic Technologists

Faculty of the Radiologic Technology Program welcomes you. The material in this handbook will help you understand the guidelines and expectations for professional conduct while in the program. This educational program will require a great deal of effort and commitment from you as you seek to achieve your goal of becoming an excellent radiographer.

Faculty are available to help you achieve this goal. They can help by answering questions or assisting you in addressing problems directly related to your academic pursuit.

***WELCOME TO THE MESA STATE COLLEGE  
RADIOLOGIC TECHNOLOGY PROGRAM!***

I have read and understood the Mesa State College Radiologic Technology Program policies as stated in this student handbook. I agree to adhere to the policies stated in the handbook.

  
Student Signature

10-4-07  
Date

Faculty of the Radiologic Technology Program welcomes you. The material in this handbook will help you understand the guidelines and expectations for professional conduct while in the program. This educational program will require a great deal of effort and commitment from you as you seek to achieve your goal of becoming an excellent radiographer.

Faculty are available to help you achieve this goal. They can help by answering questions or assisting you in addressing problems directly related to your academic pursuit.

***WELCOME TO THE MESA STATE COLLEGE  
RADIOLOGIC TECHNOLOGY PROGRAM!***

I have read and understood the Mesa State College Radiologic Technology Program policies as stated in this student handbook. I agree to adhere to the policies stated in the handbook.

Kelsie Pollard

Student Signature

Sept. 30, 2008

Date


Faculty of the Radiologic Technology Program welcomes you. The material in this handbook will help you understand the guidelines and expectations for professional conduct while in the program. This educational program will require a great deal of effort and commitment from you as you seek to achieve your goal of becoming an excellent radiographer.

Faculty are available to help you achieve this goal. They can help by answering questions or assisting you in addressing problems directly related to your academic pursuit.

***WELCOME TO THE MESA STATE COLLEGE  
RADIOLOGIC TECHNOLOGY PROGRAM!***

I have read and understood the Mesa State College Radiologic Technology Program policies as stated in this student handbook. I agree to adhere to the policies stated in the handbook.

  
Student Signature

  
Date

MESA STATE COLLEGE  
Health Sciences Department  
AAS Radiologic Technology Program

Program Advisory Committee  
Minutes  
April 17, 2008

Present: Jennifer Zuber, Patti Ward, Joanne Hunter, Donna Slothower, Mari Brennan-Combs, Susie Mallory, Pat Gimbel, Bodie Blowers, Mavis Bounds, Sondra Soria, Susan Hudson, David Hanes, Kristina Pike, Yolanda Ryan, Maggie Berg, Kristy Reuss, Bette Schans

1. Introductions were made and everyone was welcomed.
2. The minutes of the November 27, 2007 meeting were reviewed and approved.
3. We have selected 18 students out of 64 applicants to start the program this fall. It is thought that there are fewer applicants due to the tightening market.
4. Both the first and second year classes are going well this spring. The first year students are energetic and excited about learning, and are doing very well in clinical. Clinical instructors feel that they are well prepared to go into the second year.
5. Students have reported some issues in getting repeat images from clinical sites. Most sites have the capability of removing patient identification and are able to burn a CD. We will continue to work with the sites to obtain repeat images. Patti has also requested good studies for her A & P classes as she will be phasing in digital images instead of film next year.
6. Kristy gave the group information about MASH camp and about the Western Colorado Rural Health Alliance. MASH camp is for middle school students during the summer and CRHA posts jobs and allows people looking for jobs to post resumes. She then announced that Pearson VUE will be opening an office here for testing which is good news for grads from nursing and rad tech.

There was another discussion about the bachelor's program.

7. There were no affiliate clinical instructor concerns about first or second year students.

8. Patti will be taking partial sabbatical leave in the fall and spring semesters. She will be teaching the A & P classes only. JRC requires that the program have a clinical coordinator and Donna has been appointed temporary clinical coordinator for the year.

Additional information:

1. When technologists are evaluating a procedure competency, please remind them that reviewing the images is not a part of the competency evaluation. We do a separate image review. Technologists are to be with the student in the room during the evaluation and assuring that the student is competent in positioning the patient and setting the correct technique. The only items that need to be assessed at the computer are student knowledge of how to acquire the image and perform computer functions.

A key issue is the fact that some technologists are not present in the room as the student is performing the competency and basing scores on the final product. It is very difficult to score a student accurately when he/she has not been observed in the room. Please remind technologists of the policy of direct supervision until the student has completed the exam and therefore have to be in the room with the student during the examination.

Submitted,

A handwritten signature in black ink that reads "Dr. Bette Schans, PhD, RTR". The signature is written in a cursive, flowing style.

Bette Schans, PhD, RTR  
Program Director

MESA STATE COLLEGE  
Department of Health Sciences  
Radiologic Technology Program

Clinical Site Evaluation

Clinical Site St. Mary's Hospital

Please indicate which of the following responses best indicates your experience at this clinical site.

A = Strongly Agree  
B = Agree  
C = No Opinion  
D = Disagree  
E = Strongly Disagree

1. Assistance was provided when I requested help with exams.  
☒ A    B    C    D    E
2. I was encouraged to follow the principles of radiation protection.  
A    ☒ B    C    D    E
3. The site provided an opportunity to improve my positioning skills.  
☒ A    B    C    D    E
4. The affiliate clinical instructor was available and helpful when needed.  
☒ A    B    C    D    E
5. The affiliate clinical instructor fairly assessed my performance on the professional evaluation.  
☒ A    B    C    D    E
6. During a procedure evaluation, the technologist directly observed and evaluated my performance.  
☒ A    B    C    D    E
7. The staff at this site encouraged me to follow the Professional Code of Ethics.  
☒ A    B    C    D    E
8. The staff at this site reinforced the principles of patient care.  
☒ A    B    C    D    E
9. I was under the direct supervision of a radiographer when I repeated radiographs.  
☒ A    B    C    D    E
10. The technologists reinforced basic principles of technique.  
☒ A    B    C    D    E



MESA STATE COLLEGE  
Department of Health Sciences  
Radiologic Technology Program

Clinical Site Evaluation

Clinical Site Arrowrose Memorial Hospital

Please indicate which of the following responses best indicates your experience at this clinical site.

A = Strongly Agree  
B = Agree  
C = No Opinion  
D = Disagree  
E = Strongly Disagree

1. Assistance was provided when I requested help with exams.  
☒ A    B    C    D    E
2. I was encouraged to follow the principles of radiation protection.  
A    ☒ B    C    D    E
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☒ A    B    C    D    E
8. The staff at this site reinforced the principles of patient care.  
☒ A    B    C    D    E
9. I was under the direct supervision of a radiographer when I repeated radiographs.  
☒ A    B    C    D    E
10. The technologists reinforced basic principles of technique.  
☒ A    B    C    D    E

MESA STATE COLLEGE  
Department of Health Sciences  
Radiologic Technology Program

Clinical Site Evaluation

Clinical Site Valley View - Glendale

Please indicate which of the following responses best indicates your experience at this clinical site.

A = Strongly Agree  
B = Agree  
C = No Opinion  
D = Disagree  
E = Strongly Disagree

1. Assistance was provided when I requested help with exams.  
A ☒ B C D E
2. I was encouraged to follow the principles of radiation protection.  
A ☒ B C D E
3. The site provided an opportunity to improve my positioning skills.  
A ☒ B C D E
4. The affiliate clinical instructor was available and helpful when needed.  
☒ A B C D E
5. The affiliate clinical instructor fairly assessed my performance on the professional evaluation.  
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9. I was under the direct supervision of a radiographer when I repeated radiographs.  
A ☒ B C D E
10. The technologists reinforced basic principles of technique.  
A ☒ B C D E

# COLORADO DEPARTMENT OF PUBLIC HEALTH & ENVIRONMENT, RADIATION CONTROL PROGRAM

## X-RAY MACHINE CERTIFICATION EVALUATION REPORT

USE BALLPOINT-PRESS FIRMLY

<b>SECTION III General Information</b>				This report details findings of the qualified inspector regarding your compliance with the requirements of the Colorado Rules and Regulations Pertaining to Radiation Control (Regulations).			
REASON FOR INSPECTION:		<input type="checkbox"/> Routine Inspection <input type="checkbox"/> Component Replacement <input type="checkbox"/> New Machine <input checked="" type="checkbox"/> Other <u>MUDED</u>		Contact Person: <u>BETTE SUHANE</u>			
Facility Reg. No.: <u>89949</u>		REGISTRANT/LEGAL OWNER: <u>MESA STATE COLLEGE</u>		Facility Name (d/b/a):			
Address: <u>MESA COLLEGE - SALVENDERS CAMPUS - #1111</u>		City: <u>GRAND JUNCTION</u>		State: <u>CO</u>		Zip: <u>81502</u>	
						Phone Number: <u>(970) 248-1651</u>	
Machine Category (check or circle):		Tube Room #: <u>SAUNDERS 1111</u>		Control Mfg. Name: <u>CONTINENTAL</u>		Control Model Type: <u>TM 30</u>	
<input checked="" type="checkbox"/> Radiographic <input type="checkbox"/> Mobile <input type="checkbox"/> Fluoroscopic <input type="checkbox"/> Mammographic <input type="checkbox"/> Computed Tomography <input type="checkbox"/> Dental Intraoral <input type="checkbox"/> Cephalometric <input type="checkbox"/> Panoramic <input type="checkbox"/> Veterinary <input checked="" type="checkbox"/> Other <u>INDUSTRIAL</u>		Tube Identifier (A, B, C, 1, 2, 3, etc.): <u>1</u>		Tube Mfg. Name: <u>CONTINENTAL</u>		Tube Model Type: <u>E739FX</u>	
				Tube Serial# (check which one): <input type="checkbox"/> Housing SN <input checked="" type="checkbox"/> Tube SN		Tube Date of Mfg: <u>JULY-97</u>	
Date of Inspection: <u>9/2/2009</u>		CHECK ONE: <input type="checkbox"/> Machine NOT Initially in Compliance (Complete Section II)		Old Label Number: <u>16668</u>		Old Expiration Date: <u>JAN-2011</u>	
		<input checked="" type="checkbox"/> Machine Initially in Compliance (Complete Section IV)					

<b>SECTION II Machine NONCOMPLIANCE</b>		THIS IS A NOTICE OF NONCOMPLIANCE. THIS MUST BE POSTED TO PERMIT INDIVIDUALS TO OBSERVE IT ON THE WAY TO OR FROM ANY REGISTERED ACTIVITY LOCATION TO WHICH THIS DOCUMENT APPLIES.	
<p><input type="checkbox"/> 1. The radiation machine identified above is unsafe for human use. The machine shall not be used hereafter until repaired and recertified by a qualified Inspector. UNSAFE FOR HUMAN USE LABEL #:</p> <p><input type="checkbox"/> 2. The following deficiencies or violations were identified during this inspection (A-F). Check appropriate circle(s) if it is a repeat violation.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p><input type="radio"/> A. _____</p> <p><input type="radio"/> B. _____</p> <p><input type="radio"/> C. _____</p> <p><input type="radio"/> D. _____</p> <p><input type="radio"/> E. _____</p> <p><input type="radio"/> F. _____</p> </div> <div style="width: 15%; text-align: center;"> <div style="border: 1px solid black; padding: 2px;">Corrected At Time Of Inspection (OI Initials)</div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> </div> </div>			
3. Misc. information: _____			
4. I certify that I have notified the Registrant (or Agent) of all items of noncompliance and/or recommendations as specified in Section II 1 & 2. (Notification must be made immediately upon determination.) Name of Registrant (or Registrant's Agent) Contacted (PRINT): _____ Title: _____			
5. PRINTED NAME OF INSPECTOR / QI NUMBER / SIGNATURE		DATE (If necessary, Tier I Reviewer Signature and QI Number)	

<b>SECTION III Registrant's Affirmation</b>	
1. Affirmation is made that I have reviewed this Certification Evaluation Report, including the instructions on the reverse side, and that I have thirty (30) days to correct the item(s) of noncompliance and report to the Department (see notes on back). I understand that a failure to correct the item(s) of noncompliance within the thirty (30) days may result in a Department enforcement inspection.	
2. PRINTED NAME OF INSPECTOR / QI NUMBER / SIGNATURE	DATE (If necessary, Tier I Reviewer Signature and QI Number)
Check appropriate box: <input type="checkbox"/> I affirm that the equipment noncompliance(s) noted above were corrected and tested by me according to the instructions provided by the manufacturer(s) and the requirements of the Regulations. The equipment was not modified to adversely affect performance and was adjusted or installed in accordance with instructions provided by the manufacturer(s) and requirements of the Regulations. The Canary copy—Page 3 (Service Report) shall be maintained in the service company's records for department review upon request. <input type="checkbox"/> Because of conditions noted on the attached Service Repair Order (SRO), I was NOT able to repair this equipment (Note to Service Co.: SRO MUST BE ATTACHED TO THIS CE).	
3. PRINTED NAME OF SERVICE PERSON, SERVICE COMPANY, AND REGISTRATION NUMBER	DATE Signature of Service Person

<b>SECTION IV Machine COMPLIANCE</b>		New Label Number: <u>11959</u>		Expiration Date: <u>SEPT-2011</u>	
1. This machine meets conditions of compliance according to Parts 2 & 6.					
PRINTED NAME OF INSPECTOR / QI NUMBER / SIGNATURE			DATE (If necessary, Tier I Reviewer Signature and QI Number)		
<u>DANIEL MARQUE 139</u>			<u>9/2/2009</u>		

**COLORADO DEPARTMENT OF PUBLIC HEALTH & ENVIRONMENT, RADIATION CONTROL PROGRAM**  
**X-RAY MACHINE CERTIFICATION EVALUATION REPORT**

USE BALLPOINT-PRESS FIRMLY

<b>SECTION III General Information</b>		<i>This report details findings of the qualified inspector regarding your compliance with the requirements of the Colorado Rules and Regulations Pertaining to Radiation Control (Regulations).</i>			
REASON FOR INSPECTION:	<input type="checkbox"/> Routine Inspection <input type="checkbox"/> Component Replacement <input checked="" type="checkbox"/> New Machine <input type="checkbox"/> Other _____	Certificate Person: <b>SCHANS</b> <b>DR</b>			
ility Reg. No.: <b>89949</b>	REGISTRANT/LEGAL OWNER: <b>MESA STATE COLLEGE</b>	Facility Name (d/b/a):			
Address: _____		City: <b>GRAND JUNCTION</b>	State: <b>CO</b>	Zip: <b>81502</b>	Phone Number: <b>(970)248-1651</b>
<b>MESA STATE COLLEGE CAMPUS</b>					
Machine Category (check or circle):	Tube Room #:	Control Mfg. Name:	Control Model Type:	Control Serial No.:	Ctrl. Date of Mfg:
<input checked="" type="checkbox"/> Radiographic <input type="checkbox"/> Mobile <input type="checkbox"/> Fluoroscopic <input type="checkbox"/> Mammographic <input type="checkbox"/> Computed Tomography <input type="checkbox"/> Dental Intraoral <input type="checkbox"/> Panoramic <input type="checkbox"/> Cephalometric <input type="checkbox"/> Veterinary <input type="checkbox"/> Other <b>INDUSTRIAL</b>	<b>X-RAY</b>	<b>QUANTUM</b>	<b>ODYSSEY HF</b> <b>Q95000-09L-</b>	<b>1116</b>	<b>NOV-2009</b>
	Tube Identifier (A, B, C, 1, 2, 3, etc.):	Tube Mfg. Name:	Tube Model Type:	Tube Serial# (check which one): <input type="checkbox"/> Housing SN <input type="checkbox"/> Tube SN	Tube Date of Mfg:
	<b>1</b>	<b>TOSHIBA</b>	<b>EA-064FX</b>	<b>090990</b>	<b>APR-2009</b>
Date of Inspection: <b>2/24/10</b>	CHECK <input type="checkbox"/> Machine NOT Initially in Compliance (Complete Section II) ONE: <input checked="" type="checkbox"/> Machine Initially in Compliance (Complete Section IV)		Old Label Number: <b>NA</b>		Old Expiration Date: <b>NA</b>

<b>SECTION II Machine NONCOMPLIANCE</b>		<b>THIS IS A NOTICE OF NONCOMPLIANCE. THIS MUST BE POSTED TO PERMIT INDIVIDUALS TO OBSERVE IT ON THE WAY TO OR FROM ANY REGISTERED ACTIVITY LOCATION TO WHICH THIS DOCUMENT APPLIES.</b>								
1. The radiation machine identified above is unsafe for human use. The machine shall not be used hereafter until repaired and recertified by a qualified Inspector. <b>UNSAFE FOR HUMAN USE LABEL #:</b> _____										
2. The following deficiencies or violations were identified during this inspection (A-F). Check appropriate circle(s) if it is a repeat violation.										
<input type="radio"/> A. _____ <input type="radio"/> B. _____ <input type="radio"/> C. _____ <input type="radio"/> D. _____ <input type="radio"/> E. _____ <input type="radio"/> F. _____	<table border="1" style="width:100%; height: 100px;"> <tr> <td rowspan="6" style="writing-mode: vertical-rl; transform: rotate(180deg);">Corrected At Time Of Inspection (QI Initials)</td> <td> </td> </tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>			Corrected At Time Of Inspection (QI Initials)						
Corrected At Time Of Inspection (QI Initials)										
3. Misc. information: _____										
4. I certify that I have notified the Registrant (or Agent) of all items of noncompliance and/or recommendations as specified in Section II 1 & 2. (Notification must be made immediately upon determination.) Name of Registrant (or Registrant's Agent) Contacted (PRINT): _____ Title: _____										
5. PRINTED NAME OF INSPECTOR / QI NUMBER / SIGNATURE		DATE	(If necessary, Tier I Reviewer Signature and QI Number)							

<b>SECTION III Registrant's Affirmation</b>		
1. Affirmation is made that I have reviewed this Certification Evaluation Report, including the instructions on the reverse side, and that I have thirty (30) days to correct the item(s) of noncompliance and report to the Department (see notes on back). I understand that a failure to correct the item(s) of noncompliance within the thirty (30) days may result in a Department enforcement inspection.		
2. PRINTED NAME OF INSPECTOR / QI NUMBER / SIGNATURE		DATE (If necessary, Tier I Reviewer Signature and QI Number)
Check appropriate box: <input type="checkbox"/> I affirm that the equipment noncompliance(s) noted above were corrected and tested by me according to the instructions provided by the manufacturer(s) and the requirements of the Regulations. The equipment was not modified to adversely affect performance and was adjusted or installed in accordance with instructions provided by the manufacturer(s) and requirements of the Regulations. The Canary copy—Page 3 (Service Report) shall be maintained in the service company's records for department review upon request. <input type="checkbox"/> Because of conditions noted on the attached Service Repair Order (SRO), I was NOT able to repair this equipment (Note to Service Co.: SRO MUST BE ATTACHED TO THIS CE).		
3. PRINTED NAME OF SERVICE PERSON, SERVICE COMPANY, AND REGISTRATION NUMBER		DATE Signature of Service Person

<b>SECTION IV Machine COMPLIANCE</b>		New Label Number: <b>15362</b>	Expiration Date: <b>FEB-2012</b>
1. This machine meets conditions of compliance according to Parts 2 & 6.			
PRINTED NAME OF INSPECTOR / QI NUMBER / SIGNATURE		DATE	(If necessary, Tier I Reviewer Signature and QI Number)
<b>Daniel Marvel 137</b>		<b>2/24/10</b>	

# Montrose Memorial Hospital

Montrose, CO

has been Accredited by



## The Joint Commission

Which has surveyed this organization and found it to meet the requirements for the  
Hospital Accreditation Program

November 11, 2008

Accreditation is customarily valid for up to 39 months.

*David L. Nahwold*

David L. Nahwold, M.D.  
Chairman of the Board

Organization ID: 09405  
Print/Reprint Date: 5/13/09

*Mark Chassin*

Mark Chassin, M.D.  
President

The Joint Commission is an independent, not-for-profit, national body that oversees the safety and quality of health care and other services provided in accredited organizations. Information about accredited organizations may be provided directly to The Joint Commission at 1-800-994-6610. Information regarding accreditation and the accreditation performance of individual organizations can be obtained through The Joint Commission's web site at [www.jointcommission.org](http://www.jointcommission.org).



## Accreditation Quality Report

> Summary of  
Accreditation Quality  
Information

> Accredited  
Programs

> Accreditation  
National Patient  
Safety Goals

> Sites and Services

> Accreditation  
History

> Download  
Accreditation PDF  
Report

> Download  
Accreditation PDF  
Report - Include  
Quarterly Data

> Accreditation  
Quality Report User  
Guide

## Additional Links

> The Joint  
Commission

> International  
Center for Patient  
Safety

> Joint Commission  
International

### Symbol Key

This organization  
achieved the best  
possible results

This organization's  
performance is above  
the target  
range/value.

This organization's  
performance is similar  
to the target  
range/value.

This organization's  
performance is below  
the target  
range/value.

This measure is not  
applicable for this  
organization.

Not displayed

## Quality Report

### Summary of Accreditation Quality Information

**Accreditation Decision: Accredited**

This organization is in full compliance with all  
applicable standards.

**Decision Effective Date: August 19, 2009**

Accredited Programs	Last Full Survey Date	Last On-Site Survey Date
<u>Home Care</u>	11/6/2009	11/6/2009
<u>Hospital</u>	11/6/2009	11/6/2009
<u>Pathology and Clinical Laboratory</u>	9/18/2008	9/18/2008

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**Delta County Memorial Hospital**

Org ID: 937

1501 E. 3rd Street

Delta, CO 8141

(970)874-768

[www.deltahospital.org](http://www.deltahospital.org)

### National Patient Safety Goals and National Quality Improvement Goals

Compared to other Joint  
Commission Accredited  
Organizations

			Nationwide	Statewide
Home Care	2006 National Patient Safety Goals	See Detail		*
	2006 National Patient Safety Goals	See Detail		*
Hospital	2006 National Patient Safety Goals	See Detail		*
	2006 National Patient Safety Goals	See Detail		*
<b>National Quality Improvement Goals:</b>				
Reporting Period: Jul 2008 - Jun 2009	Heart Attack Care	See Detail		
	Heart Failure Care	See Detail		



Wen - Sharon



March 14, 2007

Tom Mingen  
Chief Executive Officer  
Delta County Memorial Hospital  
1501 E. 3rd Street  
Delta, CO 81416

Joint Commission ID #: 9373  
Accreditation Activity: Measure of Success  
Accreditation Activity Completed: 3/14/2007

Dear Mr. Mingen:

The Joint Commission would like to thank your organization for participating in the Joint Commission's accreditation process. This process is designed to help your organization continuously provide safe, high-quality care, treatment, and services by identifying opportunities for improvement in your processes and helping you follow through on and implement these improvements. We encourage you to use the accreditation process as a continuous standards compliance and operational improvement tool.

The Joint Commission is granting your organization an accreditation decision of Accredited for all services surveyed under the applicable manual(s) noted below:

- Comprehensive Accreditation Manual for Home Care
- Comprehensive Accreditation Manual for Hospitals

This accreditation cycle is effective beginning August 19, 2006. The Joint Commission reserves the right to shorten or lengthen the duration of the cycle; however, the certificate and cycle are customarily valid for up to 39 months.

Please visit [Quality Check®](#) on the Joint Commission web site for updated information related to your accreditation decision.

We encourage you to share this accreditation decision with your organization's appropriate staff, leadership, and governing body. You may also want to inform the Centers for Medicare and Medicaid Services (CMS), state or regional regulatory services, and the public you serve of your organization's accreditation decision.

Please be assured that the Joint Commission will keep the report confidential, except as required by law. To ensure that the Joint Commission's information about your organization is always accurate and current, our policy requires that you inform us of any changes in the name or ownership of your organization or the health care services you provide.

Sincerely,

Linda S. Murphy-Knoll  
Interim Executive Vice President  
Division of Accreditation and Certification Operations



Community Hospital

November 20, 2009

Christian A. Thomas  
President & CEO  
Colorado West HealthCare System  
2021 North 12th Street  
Grand Junction, CO 81501

Joint Commission ID #: 5089  
Program: Hospital Accreditation  
Accreditation Activity: 60-day Evidence of  
Standards Compliance  
Accreditation Activity Completed: 11/20/2009

Dear Mr. Thomas:

The Joint Commission would like to thank your organization for participating in the accreditation process. This process is designed to help your organization continuously provide safe, high-quality care, treatment, and services by identifying opportunities for improvement in your processes and helping you follow through on and implement these improvements. We encourage you to use the accreditation process as a continuous standards compliance and operational improvement tool.

The Joint Commission is granting your organization an accreditation decision of Accredited for all services surveyed under the applicable manual(s) noted below:

- Comprehensive Accreditation Manual for Hospitals

This accreditation cycle is effective beginning August 15, 2009. The Joint Commission reserves the right to shorten or lengthen the duration of the cycle; however, the certificate and cycle are customarily valid for up to 39 months.

Please visit Quality Check® on The Joint Commission web site for updated information related to your accreditation decision.

We encourage you to share this accreditation decision with your organization's appropriate staff, leadership, and governing body. You may also want to inform the Centers for Medicare and Medicaid Services (CMS), state or regional regulatory services, and the public you serve of your organization's accreditation decision.

Please be assured that The Joint Commission will keep the report confidential, except as required by law. To ensure that The Joint Commission's information about your organization is always accurate and current, our policy requires that you inform us of any changes in the name or ownership of your organization or the health care services you provide.

Sincerely,

Ann Scott Blouin RN, PhD

Ann Scott Blouin, RN, Ph.D.  
Executive Vice President  
Accreditation and Certification Operations





The Joint Commission



Quality Check

### Accreditation Quality Reports

> Summary of  
Accreditation Quality  
Information

Available  
Programs  
Accreditation  
National Patient  
Safety Goals  
Sites and Services  
Accreditation  
US On  
Download  
Accreditation PDF  
Report  
Download  
Accreditation PDF  
Report  
Quarterly Data  
Accreditation  
Quality Report User  
Guide  
Additional Links  
The Joint  
Commission  
International  
Center for Patient  
Safety  
Joint Commission  
International

### Quality Report

#### Summary of Accreditation Quality Information

Accreditation Decision: **Accredited**

This organization is in full compliance with all  
applicable standards.



Valley View Hospital Association  
Org ID: 9393  
1906 Blake Avenue  
Glenwood Springs, CO 81601  
(970)945-6935  
[www.vvh.org](http://www.vvh.org)

Decision Effective Date: November 27, 2008

Accredited Programs	Last Full Survey Date	Re-accreditation Site Survey Date
Hospital	11/26/2008	11/26/2008

Other Accredited Programs/Services:

Laboratory - Accredited by College of American Pathologists

#### Special Quality Awards

- 2007 Patient-Centered Designation Program

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#### Symbol Key

- This organization achieved the best possible results
- This organization's performance is above the target range/value.
- This organization's performance is similar to the target range/value.
- This organization's performance is below the target range/value.
- This measure is not applicable for this organization.
- Not displayed

#### Footnote Key

1. The measure or measure set was not reported.
2. The measure set does not have an overall result.

#### National Patient Safety Goals and National Quality Improvement Goals

			Compared to other Joint Commission Accredited Organizations	
			Below	Above
Hospital	2008 National Reporting Period	See Detail		
<u>National Quality Improvement Goals:</u>				
Reporting Period: Jul 2008 - Jun 2009	Heart Attack Care	<u>See Detail</u>		
	Heart Failure Care	<u>See Detail</u>		
	Pneumonia Care	<u>See Detail</u>		
	Surgical Care Improvement Project (SCIP)			
	SCIP - Cardiac	<u>See Detail</u>		
	SCIP - Infection Prevention For All Reported Procedures:	<u>See Detail</u>		

3. The number of patients is not enough for comparison purposes.
4. The measure meets the Privacy Disclosure Threshold rule.
5. The organization scored above 90% but was below most other organizations.
6. The measure results are not statistically valid.
7. The measure results are based on a sample of patients.
8. The number of months with measure data is below the reporting requirement.
9. The measure results are temporarily suppressed pending resubmission of updated data.

• Colon/Large Intestine Surgery	See Detail	✓	✓
• Hip Joint Replacement	See Detail	✓	✓
• Hysterectomy	See Detail	✓	✓
• Knee Replacement	See Detail	✓	✓
SCIR - Venous Thromboembolism (VTE) See Detail			

30 Day Risk Adjusted Mortality Rates (see details)

30 Day Hospital Readmission Rates (see details)

Survey of Patients' Hospital Experiences (see details)

Hospitals voluntarily participate in the Survey of Patients' Hospital Experiences (HCAHPS). Pediatric and psychiatric hospitals are not eligible to participate in the HCAHPS survey based on their patient population.

 The Joint Commission only reports measures endorsed by the National Quality Forum.

\* State results are not calculated for the National Patient Safety Goals.

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## Sites and Services

### \* Primary Location

An organization may provide services not listed here. For more information refer to the Quality Report User Guide.

### Locations of Care

### Available Services

A Woman's Place  
1830 Blake Ave., Suite 208  
Glenwood Springs, CO 81601

- Single Specialty Group Practice (Outpatient)

Eagle Valley Medical Center  
377 Sylvan Lake Road  
Eagle, CO 81631

- Multi Specialty Group Practice (Outpatient)

High Mountain Brain and Spinal Surgery  
1830 Blake Avenue, Suite #204  
Glenwood Springs, CO 81601

- Single Specialty Group Practice (Outpatient)

HMR  
410 20th Street  
Glenwood Springs, CO 81601

- Single Specialty Practitioner (Outpatient)

Outlaw Medical Arts  
220 East Avenue  
Rifle, CO 81650

- Multi Specialty Group Practice (Outpatient)

Pediatric Partners of Glenwood  
1905 Blake Avenue  
Glenwood Springs, CO 81601

- Single Specialty Group Practice (Outpatient)

Rocky Mountain Urological Associates  
1830 Blake Ave, Suite 206  
Glenwood Springs, CO 81602

- Single Specialty Group Practice (Outpatient)

Silt Medical Center, Silt CO  
2001 Horseshoe Trail  
Silt, CO 81652

- General Outpatient Services (Outpatient)

Valley View Hospital \*  
1906 Blake Avenue  
Glenwood Springs, CO 81601

- Acute Coronary Syndrome (Inpatient, Outpatient)
- Acute Myocardial Infarction (Inpatient, Outpatient)
- Alcohol & Drug Rehabilitation (Inpatient)
- Anxiety/panic disorders (Outpatient)
- Asthma (Inpatient, Outpatient)
- Low Back Pain (Outpatient)
- Lumbar Spine Treatment (Inpatient, Outpatient)
- Lung Cancer (Inpatient, Outpatient)
- Magnetic Resonance Imaging (Inpatient, Outpatient)
- Maternal Child (Inpatient, Outpatient)

- Asthma, Pediatrics (Inpatient, Outpatient)
- Atrial Fibrillation (Inpatient, Outpatient)
- Breast Cancer (Inpatient, Outpatient)
- Cancer Center/Oncology (Outpatient)
- Cardiac Catheterization Lab (Inpatient, Outpatient)
- Cardiac Rehabilitation (Outpatient)
- Cardiac Unit/Cardiology (Inpatient, Outpatient)
- Cerebral Bleeding (Inpatient, Outpatient)
- Cervical Spine Treatment (Inpatient, Outpatient)
- Chemical Dependency (Residential / Group Homes - Child/Youth)
- Chronic Obstructive Pulmonary Disease (Inpatient, Outpatient)
- Coagulopathy Treatment (Outpatient)
- Colon/Rectal Cancer (Inpatient, Outpatient)
- Coronary Artery Disease (Inpatient, Outpatient)
- Crohn's Disease (Inpatient, Outpatient)
- CT Scanner (Inpatient, Outpatient)
- Diabetes Mellitus (Inpatient, Outpatient)
- EEG/EKG/EMG Lab (Inpatient, Outpatient)
- Emergency Room (Outpatient)
- Emphysema (Inpatient, Outpatient)
- Gastroenterology (Outpatient)
- Gastroesophageal Reflux Disease (Inpatient, Outpatient)
- General Medical Services (Inpatient)
- General Surgery (Inpatient, Outpatient)
- Genetic Testing / Counseling (Outpatient)
- GI or Endoscopy Lab (Outpatient)
- Gynecology (Inpatient)
- Heart Failure (Inpatient, Outpatient)
- Hepatitis B/C (Outpatient)
- Hip Joint Replacement (Inpatient, Outpatient)
- Hyperbilirubinemia (Inpatient, Outpatient)
- Hyperlipidemia (Outpatient)
- Hypertension (Inpatient, Outpatient)
- Imaging/Radiology (Inpatient, Outpatient)
- Inpatient Diabetes (Inpatient)
- Intensive Care Unit (Inpatient)
- Interventional Cardiac Catheterization (Inpatient, Outpatient)
- Intraventricular hemorrhage (Inpatient, Outpatient)
- Irritable Bowel Syndrome (Inpatient, Outpatient)
- Ischemic Heart Disease (Inpatient, Outpatient)
- Joint Replacement - Ankle (Inpatient)
- Joint Replacement - Knee (Inpatient, Outpatient)
- Joint Replacement - Shoulder (Inpatient)
- Labor & Delivery (Inpatient)
- Medical Detoxification (Inpatient)
- Microdissection (Inpatient, Outpatient)
- Migraine Headache (Outpatient)
- Neurosurgery (Inpatient)
- Nuclear Medicine (Inpatient, Outpatient)
- Nursery (Inpatient)
- Nutrition Programs (Outpatient)
- Obstetrics (Inpatient)
- Operating Room (Inpatient, Outpatient)
- Ophthalmology/Eye Surgery (Outpatient)
- Oral Maxillofacial Surgery (Inpatient, Outpatient)
- Otolaryngology/Ear, Nose, and Throat (Inpatient, Outpatient)
- Outpatient Surgery (Outpatient)
- Pain Management (Outpatient)
- Pancreatic Cancer (Outpatient)
- Pancreatitis (Inpatient, Outpatient)
- Pathology (Inpatient, Outpatient)
- Pediatric Care (Inpatient, Outpatient)
- Pelvic Inflammatory Disease (Inpatient, Outpatient)
- Perimenopause (Outpatient)
- Peripheral Vascular Disease (Inpatient, Outpatient)
- Plastic Surgery (Inpatient, Outpatient)
- Pneumonia (Inpatient, Outpatient)
- Podiatry (Inpatient, Outpatient)
- Post Anesthesia Care Unit (PACU) (Inpatient, Outpatient)
- Prostate Cancer (Inpatient, Outpatient)
- Pulmonary Function Lab (Inpatient, Outpatient)
- Recovery/Infirmary (Outpatient)
- Rehabilitation (Inpatient)
- Respiratory Care (Ventilator) (Inpatient)
- Respiratory Failure (Inpatient, Outpatient)
- Spinal Fusion (Inpatient, Outpatient)
- Spine Care (Outpatient)
- Sports Medicine (Outpatient)
- Subacute Care (Inpatient)
- Telemetry (Inpatient)
- Thoracic Spine (Inpatient, Outpatient)
- Tobacco Treatment / Cessation (Outpatient)
- Trauma (Inpatient, Outpatient)
- Tuberculosis (Inpatient, Outpatient)
- Ulcerative Colitis (Outpatient)
- Ultrasound (Inpatient, Outpatient)
- Urgent Care/Emergency Medicine (Outpatient)
- Urology (Inpatient, Outpatient)
- Vascular Disease (Inpatient, Outpatient)
- Weight Loss (Outpatient)
- Women's Health (Inpatient, Outpatient)
- Wound Care (Inpatient, Outpatient)

- Laminectomy (Inpatient, Outpatient)
- Leukemia (Outpatient)
- Lithotripsy/Kidney Stone Treatment (Inpatient)
- Liver Diseases (Inpatient, Outpatient)

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Valley View Rehab at Eagle  
960 Chambers  
Eagle, CO 81631

- General Outpatient Services (Outpatient)

---

Valley View Rehab at New  
Castle  
820 Castle Valley Boulevard  
New Castle, CO 81647

- General Outpatient Services (Outpatient)

---

Willits Medical Center  
711 East Valley Road, Suite  
201A  
Basalt, CO 81621-8370

- Multi Specialty Group Practice (Outpatient)

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The Joint Commission does not own, control, or operate any of the hospitals or health care facilities mentioned in this document. The Joint Commission is not responsible for the content or accuracy of any information provided by the hospitals or health care facilities.

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# RADIOGRAPHIC EQUIPMENT EVALUATION

Facility Name:	Rocky Mountain Orthopaedic Group	Evaluation Date:	2-3-2010
Address:	627 25 1/2 Road	Room #	2
City, State, Zip:	Grand Junction, CO. 81505	Registration #	95564
		Machine Manufacture:	Hologic
Facility Contact:	William Patterson M.D.	Control Model #	HFQ-8000P
Facility Phone:	970-242-3535	Control Serial #	1078

## Summary of the results of this evaluation:

FAIL	Administrative Controls:
PASS	General System Requirements:
N/A	Film Processing and Darkroom QA:
PASS	Radiation Field Alignment and SID Accuracy:
PASS	Collimator PBL:
PASS	Collimator Light Illuminance:
PASS	Collimator Light/X-ray Field Alignment and Field Size Indication:
PASS	Beam Quality:
PASS	Reproducibility of Radiation Exposures:
PASS	Reproducibility of the Timer:
PASS	m.A. or m.A.s. station linearity:
PASS	K.V.p. accuracy:
PASS	Timer Accuracy:
PASS	Automatic Exposure Control:

### General Comments:

This facility uses a Fuji CR system.

The staff was not able to locate a copy of the room shielding design for this radiographic room. This does represent a facility regulatory violation.

*David Banister*  
 Evaluated by: David A. Banister

10rmoroom2.sum.xlr

# RADIOGRAPHIC EQUIPMENT EVALUATION

Facility Name:	Rocky Mountain Orthopaedic Group	Evaluation Date:	2-2-2010
Address:	627 25 1/2 Road	Room #	3
City, State, Zip:	Grand Junction, CO. 81505	Registration #	95564
		Machine Manufacture:	G.E.
Facility Contact:	William Patterson M.D.	Control Model #	Proteus XR
Facility Phone:	970-242-3535	Control Serial #	36265H67

## Summary of the results of this evaluation:

PASS	Administrative Controls:
PASS	General System Requirements:
N/A	Film Processing and Darkroom QA:
PASS	Radiation Field Alignment and SID Accuracy:
PASS	Collimator PBL:
PASS	Collimator Light Illuminance:
PASS	Collimator Light/X-ray Field Alignment and Field Size Indication:
PASS	Beam Quality:
PASS	Reproducibility of Radiation Exposures:
PASS	Reproducibility of the Timer:
PASS	m.A. or m.A.s. station linearity:
PASS	K.V.p. accuracy:
PASS	Timer Accuracy:
PASS	Automatic Exposure Control:

## General Comments:

This facility uses a Fuji CR system.

David A. Banister  
Evaluated by: David A. Banister

# RADIOGRAPHIC EQUIPMENT EVALUATION

Facility Name:	Rocky Mountain Orthopaedic Group	Evaluation Date:	2-4-2010
Address:	627 25 1/2 Road	Room #	1
City, State, Zip:	Grand Junction, CO. 81505	Registration #	95564
		Machine Manufacture:	Hologic
Facility Contact:	William Patterson M.D.	Control Model #	HFQ-8000P
Facility Phone:	970-242-3535	Control Serial #	1079

## Summary of the results of this evaluation:

FAIL	Administrative Controls:
PASS	General System Requirements:
N/A	Film Processing and Darkroom QA:
PASS	Radiation Field Alignment and SID Accuracy:
PASS	Collimator PBL:
PASS	Collimator Light Illuminance:
PASS	Collimator Light/X-ray Field Alignment and Field Size Indication:
PASS	Beam Quality:
PASS	Reproducibility of Radiation Exposures:
PASS	Reproducibility of the Timer:
PASS	m.A. or m.A.s. station linearity:
PASS	K.V.p. accuracy:
PASS	Timer Accuracy:
PASS	Automatic Exposure Control:

## General Comments:

This facility uses a Fuji CR system. The CR reader used for room 1 results in a lower "S" value than the CR reader used for room 2 and 3. I suggest that you ask Fuji to check the calibration.

The staff was not able to locate a copy of the room shielding design for this radiographic room. This does represent a facility regulatory violation.

*David A. Banister*  
Evaluated by: David A. Banister

10rmoroom1.sum.xlr



**COLORADO DEPARTMENT OF PUBLIC HEALTH & ENVIRONMENT, RADIATION CONTROL DIVISION  
X-RAY MACHINE CERTIFICATION EVALUATION REPORT**

*This report details findings of the qualified inspector regarding your compliance with the requirements of the Colorado Rules and Regulations Pertaining to Radiation Control (Regulations).*

**SECTION I GENERAL INFORMATION**

Reg No: <b>57094</b>	Tube ID: <b>1</b>	Registrant: <b>Dennis Ficklin</b>	Facility Name: <b>Family Health West</b>	Contact Person: <b>Michelle D'Angelo</b>
Address: <b>300 West Ottley Street</b>		City: <b>Fruita</b>	State: <b>CO</b>	Zip: <b>81521</b>
Telephone: <b>970-858-2708</b>		Machine Manufacturer: <b>Philips</b>	Machine Model Type: <b>Easy Diagnost Eleva</b>	Control Serial No: <b>137197016</b>
Room Number: <b>R&amp;F Room - Rad</b>	Machine Manufacturer: <b>Philips</b>	Machine Model Type: <b>Easy Diagnost Eleva</b>	Control Serial No: <b>137197016</b>	Manufacture Date: <b>April 2009</b>
Machine Category: <b>R&amp;F</b>	Tube Manufacturer: <b>Philips</b>	Tube Model Type: <b>ROT 360</b>	Tube Serial No: <b>2243494</b>	Manufacture Date: <b>April 2009</b>
Date of Inspection: <b>September 17, 2009</b>	Reason for Inspection: <b>New Machine</b>	Initial Machine Compliance Status: <b>In Compliance</b>	Old Label Number: <b>N/A</b>	Old Expiration Date: <b>N/A</b>

**SECTION II MACHINE NONCOMPLIANCE INFORMATION**

<b>APPLICABLE</b>	
No	THIS IS A NOTICE OF NON-COMPLIANCE. THIS REPORT MUST BE POSTED TO PERMIT INDIVIDUALS TO OBSERVE IT ON THE WAY TO OR FROM ANY REGISTERED ACTIVITY LOCATION TO WHICH THIS DOCUMENT APPLIES.
No	THE RADIATION MACHINE IDENTIFIED ABOVE IS UNSAFE FOR HUMAN USE. THE MACHINE SHALL NOT BE USED HEREAFTER UNTIL REPAIRED AND RECERTIFIED BY A QUALIFIED INSPECTOR. UNSAFE FOR HUMAN USE LABEL NUMBER: N/A
No	THE FOLLOWING DEFICIENCIES / VIOLATIONS WERE IDENTIFIED DURING THIS INSPECTION (A-F): CHECK MARK INDICATES REPEAT VIOLATION. A. B. C. D. E. F.
No	<b>INSPECTOR'S AFFIRMATION</b> I certify that I have notified the Registrant (or Agent) of all items of noncompliance and/or recommendations as specified in Section II. (Notification must be made immediately upon determination.)  Signed: Inspector: <b>John Goddard Ph.D.</b>  QI Number: <b>QI011</b>  Date: <b>September 17, 2009</b>

**SECTION III REGISTRANT'S (OR AGENT'S) AND SERVICE PERSON'S AFFIRMATION**

No	<b>REGISTRANT'S (OR AGENT'S) AFFIRMATION</b> Affirmation is made that I have reviewed this Certificate Evaluation Report, including the RCD 59-1 Machine CE Instructions, and that I have thirty (30) days to correct the item(s) of non-compliance and report to the Department. I understand that a failure to correct the item(s) of noncompliance within thirty(30) days may result in a Department enforcement inspection.  Signed: Registrant/Agent: - - -  Date: <b>September 17, 2009</b>
No	<b>SERVICE PERSON'S AFFIRMATION</b> I affirm that the equipment noncompliance(s) noted above were corrected and tested by me according to the instructions provided by the manufacturer(s) and the requirements of the Regulations. The equipment was not modified to adversely affect performance and was adjusted or installed in accordance with instructions provided by the manufacturer(s) and requirements of the regulations. A copy of this form shall be maintained in the service company's records for Department review upon request. Because of conditions noted on the attached Service Repair Order (SRO), I was not able to repair this equipment. (SRO must be attached to this CE).  Signed: Service Person: - - - Service Company: - - -  Registration Number: -  Date: -

**SECTION IV MACHINE COMPLIANCE**

Yes	This machine meets the conditions of compliance according to parts 2 and 6.  Signed: Inspector: <b>John Goddard Ph.D.</b>  RCD 59-1 CE REPORT July 1995 For distribution see RCD 59-1 Machine CE Instructions.	New Label Number: <b>12088</b>  QI Number: <b>QI011</b>  REPORT NUMBER: <b>10587</b>	New Expiration Date: <b>September 2010</b>  Date: <b>September 17, 2009</b>  FILE: <b>RCD59.WPS</b>
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**John Goddard, Ph.D., 7375 Grant Ranch Blvd, Suite 2124, Littleton, CO 80123 (303) 730-0349**



*This report details findings of the qualified inspector regarding your compliance with the requirements of the Colorado Rules and Regulations Pertaining to Radiation Control (Regulations).*

Reg No: <b>7094</b>	Tube ID: <b>2</b>	Registrant: <b>Dennis Fieldin</b>	Facility Name: <b>Family Health West</b>	Contact Person: <b>Michelle D'Angelo</b>
Address: <b>300 West Ottley Street</b>			City: <b>Fruita</b>	State: Zip: Telephone: <b>CO 81521 970-858-2708</b>
Room Number: <b>R&amp;F Room - Fluoro</b>	Machine Manufacturer: <b>Philips</b>	Machine Model Type: <b>Easy Diagnost Eleva</b>	Control Serial No: <b>137197016</b>	Manufacture Date: <b>April 2009</b>
Machine Category: <b>R&amp;F</b>	Tube Manufacturer: <b>Philips</b>	Tube Model Type: <b>Not Visible</b>	Tube Serial No: <b>Tube 2</b>	Manufacture Date: <b>Not Visible</b>
Date of Inspection: <b>September 17, 2009</b>	Reason for Inspection: <b>New Machine</b>	Initial Machine Compliance Status: <b>In Compliance</b>	Old Label Number <b>N/A</b>	Old Expiration Date <b>N/A</b>

APPLICABLE	
No	THIS IS A NOTICE OF NON-COMPLIANCE. THIS REPORT MUST BE POSTED TO PERMIT INDIVIDUALS TO OBSERVE IT ON THE WAY TO OR FROM ANY REGISTERED ACTIVITY LOCATION TO WHICH THIS DOCUMENT APPLIES.
No	THE RADIATION MACHINE IDENTIFIED ABOVE IS UNSAFE FOR HUMAN USE. THE MACHINE SHALL NOT BE USED HEREAFTER UNTIL REPAIRED AND RECERTIFIED BY A QUALIFIED INSPECTOR. UNSAFE FOR HUMAN USE LABEL NUMBER: N/A
No	THE FOLLOWING DEFICIENCIES / VIOLATIONS WERE IDENTIFIED DURING THIS INSPECTION (A-F): CHECK MARK INDICATES REPEAT VIOLATION. A. B. C. D. E. F.
No	INSPECTOR'S AFFIRMATION I certify that I have notified the Registrant (or Agent) of all items of noncompliance and/or recommendations as specified in Section II. (Notification must be made immediately upon determination.)
<p>Signed: Inspector: John Goddard Ph.D.</p> <p>QI Number: QI011</p> <p>Date: September 17, 2009</p>	

No	<p><b>REGISTRANT'S (OR AGENT'S) AFFIRMATION</b></p> <p>Affirmation is made that I have reviewed this Certificate Evaluation Report, including the RCD 59-1 Machine CB Instructions, and that I have thirty (30) days to correct the item(s) of non-compliance and report to the Department. I understand that a failure to correct the item(s) of noncompliance within thirty(30) days may result in a Department enforcement inspection.</p> <p>Signed: Registrant/Agent: - - -</p> <p style="text-align: right;">Date: September 17, 2009</p>
No	<p><b>SERVICE PERSON'S AFFIRMATION</b></p> <p>I affirm that the equipment noncompliance(s) noted above were corrected and tested by me according to the instructions provided by the manufacturer(s) and the requirements of the Regulations. The equipment was not modified to adversely affect performance and was adjusted or installed in accordance with instructions provided by the manufacturer(s) and requirements of the regulations. A copy of this form shall be maintained in the service company's records for Department review upon request.</p> <p>Because of conditions noted on the attached Service Repair Order (SRO), I was not able to repair this equipment. (SRO must be attached to this CE).</p> <p>Signed: Service Person: - - - Service Company: -</p> <p style="text-align: right;">Registration Number: -                      Date: -</p>

Yes	This machine meets the conditions of compliance according to parts 2 and 6.	New Label Number: 12084	New Expiration Date: September 2010
Signed: Inspector: John Goddard Ph.D.		QI Number: QI011	Date: September 17, 2009
RCD 59-1 CE REPORT July 1999 For distribution see RCD 59-1 Machine CE Instructions.		REPORT NUMBER: 10587	FILE: RCD59 WPS

**John Goddard, Ph.D., 7375 Grant Ranch Blvd, Suite 2124, Littleton, CO 80123 (303) 730-0349**

# Certification of X-Ray Machine Compliance

*It is hereby certified that the xray machine in the possession of:*

## Glenwood Medical Associates

*has been duly inspected and found to be in full compliance with the xray machine  
certification requirements of the  
Colorado Department of Public Health and Environment*

X-Ray Unit: Sedecal, Model: SHF-520RF, Serial: G-13581, Tube: 18981-OU

Registration Number: 42008

Certificate Number: 10343

Expiration Date: MAY 2010

Certified by: John Goddard, Ph.D.

Inspector No: QI011

Inspection Date: 5-29-09

John Goddard, Ph.D. 7375 Grant Ranch Blvd, Suite 2124,

Littleton, CO 80123

Telephone (303) 730-0349

St. Mary's Hospital and Medical Center  
Grand Junction, CO  
has been Accredited by

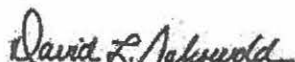


**The Joint Commission**

Which has surveyed this organization and found it to meet the requirements for the  
**Hospital Accreditation Program**

**June 13, 2009**

Accreditation is customarily valid for up to 39 months.

  
David L. Nehreweid, M.D.  
Chairman of the Board

Organization ID #9383  
Print/Report Date 9/16/09

  
Mark Chassin, M.D.  
President

The Joint Commission is an independent, not-for-profit, national body that oversees the safety and quality of health care and other services provided in accredited organizations. Information about accredited organizations may be provided directly to The Joint Commission at 1-800-994-6610. Information regarding accreditation and the accreditation performance of individual organizations can be obtained through The Joint Commission's web site at [www.jointcommission.org](http://www.jointcommission.org).



**COLORADO DEPARTMENT OF PUBLIC HEALTH & ENVIRONMENT, RADIATION CONTROL PROGRAM**  
**X-RAY MACHINE CERTIFICATION EVALUATION REPORT**

USE BALLPOINT-PRESS FIRMLY

<b>SECTION I General Information</b>						<i>This report details findings of the qualified inspector regarding your compliance with the requirements of the Colorado Rules and Regulations Pertaining to Radiation Control (Regulations).</i>	
REASON FOR INSPECTION:		<input checked="" type="checkbox"/> Routine Inspection <input type="checkbox"/> Component Replacement <input type="checkbox"/> New Machine <input type="checkbox"/> Other		Contact Person: <b>STERMER</b>			
Facility Reg. No.: <b>42007</b>		REGISTRANT/LEGAL OWNER: <b>GRAND RIVER MEDICAL CENTER</b>			Facility Name (d/b/a):		
Address: <b>501 AIRPORT ROAD</b>		City: <b>RIFLE</b>		State: <b>CO</b>		Zip: <b>81635</b> Phone Number: <b>(970) 625-1510</b>	
Machine Category (check or state):		Tube Brand:		Control Mfg. Name:		Control Model Type:	
<input type="checkbox"/> Radiographic <input type="checkbox"/> Mobile <input checked="" type="checkbox"/> Fluoroscopic <input type="checkbox"/> Mammographic <input type="checkbox"/> Computed Tomography <input type="checkbox"/> Dental Intraoral <input type="checkbox"/> Panoramic <input type="checkbox"/> Cephalometric <input type="checkbox"/> Veterinary <input type="checkbox"/> Other		<b>PHILIPS</b>		<b>PHILIPS</b>		<b>OPTIMUS</b>	
		Tube Model:		Tube Serial No.:		Ctrl. Date of Mfg.:	
		<b>PHILIPS</b>		<b>3010280</b>		<b>01-Apr-03</b>	
Date of Inspection: <b>8/27/09</b>		CHECK <input type="checkbox"/> Machine NOT Initially in Compliance (Complete Section II) ONE: <input checked="" type="checkbox"/> Machine Initially in Compliance (Complete Section IV)		Old Label Number: <b>992</b>		Old Expiration Date: <b>8/17/2009</b>	

<b>SECTION II Machine NONCOMPLIANCE</b>		<b>THIS IS A NOTICE OF NONCOMPLIANCE. THIS MUST BE POSTED TO PERMIT INDIVIDUALS TO OBSERVE IT ON THE WAY TO OR FROM ANY REGISTERED ACTIVITY LOCATION TO WHICH THIS DOCUMENT APPLIES.</b>	
<p><input type="checkbox"/> 1. The radiation machine identified above is unsafe for human use. The machine shall not be used hereafter until repaired and recertified by a qualified inspector. UNSAFE FOR HUMAN USE LABEL #: _____</p> <p><input type="checkbox"/> 2. The following deficiencies or violations were identified during this inspection (A-F). Check appropriate circle(s) if it is a repeat violation.</p> <p><input type="radio"/> A. _____</p> <p><input type="radio"/> B. _____</p> <p><input type="radio"/> C. _____</p> <p><input type="radio"/> D. _____</p> <p><input type="radio"/> E. _____</p> <p><input type="radio"/> F. _____</p> <p>3. Misc. Information: _____</p> <p>4. I certify that I have notified the Registrant (or Agent) of all items of noncompliance and/or recommendations as specified in Section II 1 &amp; 2. (Notification must be made immediately upon determination.)          Name of Registrant (or Registrant's Agent) Contacted (PRINT): _____ Title: _____</p> <p>5. PRINTED NAME OF INSPECTOR / QI NUMBER / SIGNATURE _____ DATE _____ (If necessary, Tier I Reviewer Signature and QI Number)</p>			

<b>SECTION III Registrant's Affirmation</b>	
<p>1. Affirmation is made that I have reviewed this Certification Evaluation Report, including the instructions on the reverse side, and that I have thirty (30) days to correct the item(s) of noncompliance and report to the Department (see notes on back). I understand that a failure to correct the item(s) of noncompliance within the thirty (30) days may result in a Department enforcement inspection.</p> <p>2. PRINTED NAME OF REGISTRANT OR REGISTRANT'S AGENT / TITLE _____ DATE _____ Signature of Registrant (or Agent) _____</p> <p>Check appropriate box:  <input type="checkbox"/> I affirm that the equipment noncompliance(s) noted above were corrected and tested by me according to the instructions provided by the manufacturer(s) and the requirements of the Regulations. The equipment was not modified to adversely affect performance and was adjusted or installed in accordance with instructions provided by the manufacturer(s) and requirements of the Regulations. The Canary copy—Page 3 (Service Report) shall be maintained in the service company's records for department review upon request.  <input type="checkbox"/> Because of conditions noted on the attached Service Repair Order (SRO), I was NOT able to repair this equipment (note to Service Co.: SRO MUST BE ATTACHED TO THIS CE).</p> <p>3. PRINTED NAME OF SERVICE PERSON, SERVICE COMPANY, AND REGISTRATION NUMBER _____ DATE _____ Signature of Service Person _____</p>	

<b>SECTION IV Machine COMPLIANCE</b>		New Label Number: <b>10487</b>		Expiration Date: <b>Aug-2010</b>	
<p>1. This machine meets conditions of compliance according to Parts 2 &amp; 6.</p> <p>2. PRINTED NAME OF INSPECTOR / QI NUMBER / SIGNATURE <b>Daniel MARVEL 137</b> DATE <b>8/27/09</b> (If necessary, Tier I Reviewer Signature and QI Number)</p>					



# COLORADO DEPARTMENT OF PUBLIC HEALTH & ENVIRONMENT, RADIATION CONTROL PROGRAM

## X-RAY MACHINE CERTIFICATION EVALUATION REPORT

USE BALLPOINT-PRESS FIRMLY

### SECTION III General Information

This report details findings of the qualified Inspector regarding your compliance with the requirements of the Colorado Rules and Regulations Pertaining to Radiation Control (Regulations).

REASON FOR INSPECTION:	<input checked="" type="checkbox"/> Routine Inspection <input type="checkbox"/> Component Replacement <input type="checkbox"/> New Machine <input type="checkbox"/> Other _____	Contact Person: <b>SCOTT STERMER</b>
Facility Reg. No.: <b>42007</b>	REGISTRANT/LEGAL OWNER: <b>GRAND RIVER MEDICAL CENTER</b>	Facility Name (if diff): _____
Address: <b>501 AIRPORT ROAD</b> City: <b>RIFLE</b> State: <b>CO</b> Zip: <b>81635</b> Phone Number: <b>(970) 625-1510</b>		
Machine Category (check or circle):	Control Mfg. Name:	Control Model Type:
<input checked="" type="checkbox"/> Radiographic <input type="checkbox"/> Mobile <input type="checkbox"/> Fluoroscopic <input type="checkbox"/> Mammographic <input type="checkbox"/> Computed Tomography <input type="checkbox"/> Dental Intraoral <input type="checkbox"/> Panoramic <input type="checkbox"/> Cephalometric <input type="checkbox"/> Veterinary <input type="checkbox"/> Other _____	<b>SIEMENS</b>	<b>07482695</b>
		Control Serial No.: <b>3468</b>
		Control Date of Mfg: <b>Dec-07</b>
Date of Inspection: <b>2/18/10</b>	CHECK ONE: <input type="checkbox"/> Machine NOT Initially in Compliance (Complete Section II)	Old Label Number: <b>6658</b>
	<input checked="" type="checkbox"/> Machine Initially in Compliance (Complete Section IV)	Old Expiration Date: <b>1/1/2010</b>

### SECTION II Machine NONCOMPLIANCE

**THIS IS A NOTICE OF NONCOMPLIANCE. THIS MUST BE POSTED TO PERMIT INDIVIDUALS TO OBSERVE IT ON THE WAY TO OR FROM ANY REGISTERED ACTIVITY LOCATION TO WHICH THIS DOCUMENT APPLIES.**

- ☐ 1. The radiation machine identified above is unsafe for human use. The machine shall not be used hereafter until repaired and recertified by a qualified Inspector. UNSAFE FOR HUMAN USE LABEL #:
- ☐ 2. The following deficiencies or violations were identified during this inspection (A-F). Check appropriate circle(s) if it is a repeat violation.
- ☐ A. \_\_\_\_\_
  - ☐ B. \_\_\_\_\_
  - ☐ C. \_\_\_\_\_
  - ☐ D. \_\_\_\_\_
  - ☐ E. \_\_\_\_\_
  - ☐ F. \_\_\_\_\_

Collected At Time of Inspection (QI Initials)

3. Misc. Information: \_\_\_\_\_

4. I certify that I have notified the Registrant (or Agent) of all items of noncompliance and/or recommendations as specified in Section II 1 & 2. (Notification must be made immediately upon determination.)

Name of Registrant (or Registrant's Agent) Contacted (PRINT): \_\_\_\_\_

Title: \_\_\_\_\_

5. PRINTED NAME OF INSPECTOR / QI NUMBER / SIGNATURE

DATE

(If necessary, Tier I Reviewer Signature and QI Number)

### SECTION III Registrant's Affirmation

1. Affirmation is made that I have reviewed this Certification Evaluation Report, including the Instructions on the reverse side, and that I have thirty (30) days to correct the item(s) of noncompliance and report to the Department (see notes on back). I understand that a failure to correct the item(s) of noncompliance within the thirty (30) days may result in a Department enforcement inspection.

2. PRINTED NAME OF INSPECTOR / QI NUMBER / SIGNATURE

DATE

(If necessary, Tier I Reviewer Signature and QI Number)

Check appropriate box:

- ☐ I affirm that the equipment noncompliance(s) noted above were corrected and tested by me according to the instructions provided by the manufacturer(s) and the requirements of the Regulations. The equipment was not modified to adversely affect performance and was adjusted or installed in accordance with instructions provided by the manufacturer(s) and requirements of the Regulations. The Canary copy—Page 3 (Service Report) shall be maintained in the service company's records for department review upon request.
- ☐ Because of conditions noted on the attached Service Repair Order (SRO), I was NOT able to repair this equipment (Note to Service Co.: SRO MUST BE ATTACHED TO THIS CE).

3. PRINTED NAME OF SERVICE PERSON, SERVICE COMPANY, AND REGISTRATION NUMBER

DATE

Signature of Service Person

### SECTION IV Machine COMPLIANCE

1. This machine meets conditions of compliance according to Parts 2 & 6.

2. PRINTED NAME OF INSPECTOR / QI NUMBER / SIGNATURE

DATE

(If necessary, Tier I Reviewer Signature and QI Number)

New Label Number: **15351**

Expiration Date: **JAN 2011**



December 17, 2007

Michael Murphy, PhD  
Director  
Grand Junction Veterans Affairs Medical Center  
2121 North Avenue  
Grand Junction, CO 81501

Joint Commission ID #: 2458  
Accreditation Activity: Evidence of Standards  
Compliance  
Accreditation Activity Completed: 12/12/2007

Dear Dr. Murphy:

The Joint Commission would like to thank your organization for participating in the Joint Commission's accreditation process. This process is designed to help your organization continuously provide safe, high-quality care, treatment, and services by identifying opportunities for improvement in your processes and helping you follow through on and implement these improvements. We encourage you to use the accreditation process as a continuous standards compliance and operational improvement tool.

The Joint Commission is granting your organization an accreditation decision of Accredited for all services surveyed under the applicable manual(s) noted below:

- Comprehensive Accreditation Manual for Behavioral Health Care
- Comprehensive Accreditation Manual for Home Care
- Comprehensive Accreditation Manual for Hospitals
- Comprehensive Accreditation Manual for Long Term Care

This accreditation cycle is effective beginning October 06, 2007. The Joint Commission reserves the right to shorten or lengthen the duration of the cycle; however, the certificate and cycle are customarily valid for up to 39 months.

Please visit Quality Check® on the Joint Commission web site for updated information related to your accreditation decision.

We encourage you to share this accreditation decision with your organization's appropriate staff, leadership, and governing body. You may also want to inform the Centers for Medicare and Medicaid Services (CMS), state or regional regulatory services, and the public you serve of your organization's accreditation decision.

Please be assured that the Joint Commission will keep the report confidential, except as required by law. To ensure that the Joint Commission's information about your organization is always accurate and current, our policy requires that you inform us of any changes in the name or ownership of your organization or the health care services you provide.

Sincerely,

Linda S. Murphy-Knoll  
Interim Executive Vice President  
Division of Accreditation and Certification Operations

# Certification of X-Ray Machine Compliance

*It is hereby certified that the xray machine in the possession of:*

## Western Orthopedics and Sports Medicine

*has been duly inspected and found to be in full compliance with the xray machine  
certification requirements of the  
Colorado Department of Public Health and Environment*

X-Ray Unit: Milestone, Model: MS550 HFSTR, Serial: M52T2440, Tube: 31143

Registration Number: 88001

Certificate Number: 9701

Expiration Date: APR 2010

Certified by: John Goddard, Ph.D.

Inspector No: QI011

Inspection Date: 4-24-09

John Goddard, Ph.D.

7375 Grant Ranch Blvd, Suite 2124,

Littleton, CO 80123

Telephone (303) 730-0349

# Certification of X-Ray Machine Compliance

*It is hereby certified that the xray machine in the possession of:*

## Western Orthopedics and Sports Medicine

*has been duly inspected and found to be in full compliance with the xray machine  
certification requirements of the  
Colorado Department of Public Health and Environment*

X-Ray Unit: Americomp, Model: L460, Serial: AEA453-207, Tube: 7B0094

Registration Number: 88001

Certificate Number: 9120

Expiration Date: APR 2010

Certified by: John Goddard, Ph.D.

Inspector No: QI011

Inspection Date: 4-24-09

John Goddard, Ph.D.

7375 Grant Ranch Blvd, Suite 2124,

Littleton, CO 80123

Telephone (303) 730-0349



**FORM RCD-4: APPLICATION FOR REGISTRATION OF RADIATION MACHINES**  
**COLORADO DEPARTMENT OF HEALTH, RADIATION CONTROL DIVISION**

**INSTRUCTIONS:** This form must be TYPED or PRINTED IN INK. The original application and all supplemental forms must have original signatures and dates. You should retain one copy of this form and all attachments for your records. All Registrations of radiation machines are issued in accordance with the requirements contained in the Colorado Department of Health, Rules and Regulations Pertaining to Radiation Control and 25-11, CRS 1989, replacement volume, as amended. If additional information is required to complete this form, please call (303) 692-3075.

Note: One individual must be indicated as the RSO in Section I, item 6.

Mail the original and one copy to: Colorado Department of Public Health and Environment  
HMWMD - Radiation Management Services (XRP)  
4300 Cherry Creek Drive South, B2  
Denver, CO 80246-1530

**SECTION I REGISTRANT INFORMATION**

Reason for Application: Update/Correction of Registration Information	
1. Facility Registration No.: 96600	2. F.E.I.N.: 3. Registrant/Legal Owner Dennis Ficklin,
4. Facility Name: Family Health West	
5. Name of Primary Contact: Michelle Angelo	Telephone Number: 970-858-2222
6. Name of Person Responsible for Radiation Safety (RSO): Michelle Angelo	Telephone Number: 970-858-2222
7. Facility Location Address: 551 Kokapelli Road, Suite G, Fruita, CO 81521	
8. Facility Mailing Address: 551 Kokapelli Road, Suite G, Fruita, CO 81521	
9. Facility Type: Diagnostic/MD	

**SECTION II X-RAY MACHINE/TUBE INFORMATION**

See attached Form RCD-4a

**SECTION III CERTIFICATION OF REGISTRATION INFORMATION**

1. THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE APPLICANT NAMED IN SECTION I, ITEM 3, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH COLORADO DEPARTMENT OF HEALTH RADIATION CONTROL REGULATIONS AND THAT ALL INFORMATION CONTAINED HEREIN, INCLUDING SUPPLEMENTS ATTACHED HERETO, IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF.

2. PRINTED NAME OF PERSON COMPLETING THIS FORM: John Goddard, Ph.D


DATE: 30-Nov-2009

BUSINESS PHONE: (303) 730-0349

SIGNATURE AND TITLE OF APPLICANT OR CERTIFYING OFFICIAL AUTHORIZED TO ACT ON BEHALF OF THE APPLICANT:

 TITLE: Medical Physics Consultant

**FOR RADIATION CONTROL DIVISION USE ONLY**

Registration Number:	96600
Registration Date:	DEC 23 2009
Cross-Reference #:	
Certifying Official:	

**RCD-4a SUPPLEMENTAL FORM FOR REGISTRATION OF RADIATION MACHINES**

Registration Number: 96600  
 Registrant's Name: Ficklin  
 Facility Name: Family Health West

Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_

Type of Machine: Radiographic  
 Room Number: X-Ray  
 Machine Manufacturer: Philips  
 Machine Model Number: 9890 01083821  
 Machine Serial Number: 06000730  
 Date Of Manufacture: November 2006  
 Date of Installation: -  
 Current Label Number: 9706

Status: Active  
 Tube ID: 1  
 Tube Manufacturer: Philips  
 Tube Model Number: 9806 20670102  
 Tube Serial Number: 211562  
 Date of Manufacture: November 2006  
 Housing Serial Number: -  
 Expiration Date: April 2010

Type of Machine: Mammography  
 Room Number: Mammo  
 Machine Manufacturer: Hologic  
 Machine Model Number: Selenia  
 Machine Serial Number: 19408078038  
 Date Of Manufacture: August 2008  
 Date of Installation: -  
 Current Label Number: 7972

Status: Active  
 Tube ID: 3  
 Tube Manufacturer: Varian  
 Tube Model Number: M113R  
 Tube Serial Number: 971867T  
 Date of Manufacture: July 2008  
 Housing Serial Number: -  
 Expiration Date: March 2010

Type of Machine: Portable/C-Arm  
 Room Number: C-Arm  
 Machine Manufacturer: Philips  
 Machine Model Number: BV Pulsera  
 Machine Serial Number: 000265  
 Date Of Manufacture: July 2008  
 Date of Installation: -  
 Current Label Number: 12086

Status: Active  
 Tube ID: 4  
 Tube Manufacturer: Philips  
 Tube Model Number: RO 0306  
 Tube Serial Number: 219883  
 Date of Manufacture: July 2008  
 Housing Serial Number: -  
 Expiration Date: September 2010

Type of Machine: Bone Density  
 Room Number: BMD Room  
 Machine Manufacturer: G.E./Lunar  
 Machine Model Number: 7635  
 Machine Serial Number: 01030114/622  
 Date Of Manufacture: March 2006  
 Date of Installation: -  
 Current Label Number: 12085

Status: Active  
 Tube ID: 5  
 Tube Manufacturer: G.E./Lunar  
 Tube Model Number: Not Visible  
 Tube Serial Number: Tube 3  
 Date of Manufacture: Not Visible  
 Housing Serial Number: -  
 Expiration Date: June 2012

## STANDARD NINE

- 9.1 The Radiologic Technology program at Mesa State College has been well supported and funded by the administration, through grants and Perkins funding. We were able to obtain, in the last year, a grant for new energized equipment for our lab and, in 2007 were given a grant for digital equipment and a mannequin. We also receive Perkins funding as a vocational program and were able to purchase computers with high resolution monitors for our PACS system.

We charge laboratory fees to help cover the cost of radiation monitors and other laboratory expenses. The monies are directed specifically for our program. If we overspend, monies are transferred from other sources to cover costs. For example, this year there were additional expenses associated with obtaining our new equipment. The money was transferred from the general fund to cover the costs.

Please see document 9.1 for the program budget for the previous seven years.

# Department of Health Sciences Budget by Program

## Rad Tech Operating Budget

Year	Tenure-Track Faculty Salaries & Benefits	Full & Part-time Temp Faculty Salaries & Benefits	Staff salary (prorated based on # of students)	Operating expense (prorated based on # of students)	Total Budget	FTEF	Grants
2009-10	\$ 232,308	\$ 16,500	\$ 11,625	\$ 16,860	\$ 277,292	4.15	\$ 50,000
2008-09	\$ 223,487	\$ 20,000	13123.89	\$ 19,696	\$ 276,307	4.33	\$ -
2007-08	\$ 142,830	\$ 12,600	\$ 7,711	\$ 20,530	\$ 183,671	3.09	\$ -
2006-07	\$ 99,939	\$ 7,560	\$ 7,349	\$ 17,492	\$ 132,340	2.79	\$ 62,000
2005-06	\$ 97,979	\$ 7,200	\$ 6,819	\$ 14,250	\$ 126,248	2.99	\$ -
2004-05	\$ 119,097	\$ 10,800	\$ 6,631	\$ 13,661	\$ 150,189	2.79	\$ -
2003-04	\$ 112,251	\$ -	\$ 7,910	\$ 17,296	\$ 137,458	2.42	\$ -
2002-03	\$ 108,125	\$ -	\$ 10,264	\$ 7,945	\$ 126,334	2.45	\$ -

## BSN Operating Budget

Year	Tenure-Track Faculty Salaries & Benefits	Full & Part-time Temp Faculty Salaries & Benefits	Staff salary (prorated based on # of students)	Operating expense (prorated based on # of students)	Total Budget	FTEF	Grants
2009-10	\$ 873,652	\$ 250,215	\$ 56,010	\$ 81,233	\$ 1,261,110	20.19	\$ 66,375
2008-09	\$ 866,713	\$ 312,744	\$ 27,437	\$ 78,785	\$ 1,285,679	19.54	\$ 6,375
2007-08	\$ 681,532	\$ 136,322	\$ 32,875	\$ 43,549	\$ 894,278	16.08	\$ 16,435
2006-07	\$ 532,504	\$ 124,180	\$ 31,331	\$ 73,716	\$ 761,731	17.18	\$ 28,576
2005-06	\$ 500,230	\$ 161,422	\$ 29,068	\$ 58,677	\$ 749,397	18.25	\$ 47,181
2004-05	\$ 469,586	\$ 127,028	\$ 28,271	\$ 57,679	\$ 682,564	11.94	\$ 9,164
2003-04	\$ 536,246	\$ 127,028	\$ 28,271	\$ 57,679	\$ 749,224	11.94	\$ 9,164
2002-03	\$ 499,937	\$ 113,017	\$ 30,792	\$ 24,718	\$ 668,464	14.15	\$ -

## LPN-AAS Operating Budget

Year	Tenure-Track Faculty Salaries & Benefits	Full & Part-time Temp Faculty Salaries & Benefits	Staff salary (prorated based on # of students)	Operating expense (prorated based on # of students)	Total Budget	FTEF	Grants
2009-10	\$ 135,246	\$ 166,500	\$ 11,625	\$ 16,860	\$ 330,230	5.52	\$ -
2008-09	\$ 87,270	\$ 65,436	\$ 52,496	\$ 16,666	\$ 221,867	5.84	\$ 85,681
2007-08	\$ 36,279	\$ 20,417	\$ 6,831	\$ 18,951	\$ 82,477	5.22	\$ 175,877
2006-07	\$ 6,000	\$ -	\$ 12,942	\$ 19,991	\$ 38,933	5.23	\$ 211,296
2005-06	\$ -	\$ -	\$ 16,045	\$ 10,897	\$ 26,943	4.05	\$ 226,339
2004-05	\$ 29,786	\$ 1,320	\$ 36,820	\$ 4,554	\$ 72,480	2.63	\$ 86,353

**PN Operating Budget**

Year	Tenure-Track Faculty Salaries & Benefits	Full & Part-time Temp Faculty Salaries & Benefits	Staff salary (prorated based on # of students)	Operating expense (prorated based on # of students)	Total Budget	FTEF	Grants
2009-10	\$ 65,523	\$ 47,250	\$ 9,511	\$ 13,794	\$ 136,078	3.15	\$ -
2008-09	\$ 62,875	\$ 48,756	\$ 5,855	\$ 10,606	\$ 128,091	2.57	\$ -
2007-08	\$ -	\$ 82,472	\$ 3,448	\$ 15,792	\$ 101,713	2.35	\$ 63,859
2006-07	\$ -	\$ 35,933	\$ 9,763	\$ 14,993	\$ 60,689	2.90	\$ 64,371
2005-06	\$ -	\$ 24,267			\$ 24,267	0.80	\$ 65,606

**EMS Operating Budget**

Year	Tenure-Track Faculty Salaries & Benefits	Full & Part-time Temp Faculty Salaries & Benefits	Staff salary (prorated based on # of students)	Operating expense (prorated based on # of students)	Total Budget	FTEF	Grants
2009-10	\$ -	\$ 144,992	\$ 15,852	\$ 22,991	\$ 183,834	3.30	\$ -
2008-09	\$ -	\$ 138,823	\$ -	\$ 25,757	\$ 164,580	3.28	\$ -
2007-08	\$ -	\$ 80,835	\$ 4,023	\$ 18,951	\$ 103,809	2.87	\$ -
2006-07	\$ -	\$ 18,400	\$ 3,179	\$ 6,247	\$ 27,826	0.64	\$ -