



**INDIANA UNIVERSITY**  
FORT WAYNE

**MEDICAL IMAGING AND RADIOLOGIC  
SCIENCES**

STUDENT HANDBOOK  
BACHELOR OF SCIENCE IN MEDICAL IMAGING  
2018-2019

**IUFW MEDICAL IMAGING AND RADIOLOGIC SCIENCES  
STUDENT HANDBOOK  
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# **STUDENT HANDBOOK**

## **GENERAL INFORMATION**

### **I. BACHELOR OF SCIENCE IN MEDICAL IMAGING PROGRAM DESCRIPTION**

Medical Imaging and Radiologic Sciences (MIRS) offers a Bachelor of Science in Medical Imaging (BSMI) that prepares the student for a career in Medical Imaging with a focus on the primary pathway of Radiography. The curriculum design also provides the opportunity to study and explore advanced areas of practice in imaging. The degree is offered through Indiana University Fort Wayne (IUFW) and is under the administration of the Department of Radiology and Imaging Sciences, Indiana University School of Medicine (SOM) at Indiana University – Purdue University Indianapolis (IUPUI).

The BSMI requires intensive study and is an integration and correlation of general education, specialized professional courses, and supervised clinical experience.

In order to provide a foundation for personal and professional growth, all students are required to complete a series of general education courses along with professional education courses. The majority of general education coursework is required to be completed in preparation for and prior to beginning the Professional Program. The professional curriculum is designed to guide the student toward an understanding of the human body, radiation biology and protection, patient care and assessment, radiologic physics, principles of radiographic imaging, and professional practice standards.

As a student progresses through the Program, the curriculum focuses upon expanding the initial principles and skills learned, acquainting the student with the identification of pathological variances, introducing the legal and ethical implications of practice, examining the areas of safety and quality, investigating the role of informatics, and developing the professional skills and attributes required to practice in medical imaging and healthcare environments.

To support the potential pursuit of advanced certification, each student will select a track in RADX R315 and optional clinical rotations in one of the following areas of practice: Bone Densitometry, Computerized Tomography, Magnetic Resonance Imaging, Mammography, or Vascular Interventional. Students are also provided the opportunity to explore and observe other advanced areas of practice such as: Cardiovascular Interventional, Nuclear Medicine, Medical Sonography, and Radiation Therapy.

### **II. INDIANA UNIVERSITY FORT WAYNE MISSION**

Indiana University Fort Wayne prepares outstanding health professionals to be clinicians, educators, researchers and leading innovators promoting high quality physical, mental and oral health care for local, regional, national and global communities

### III. MEDICAL IMAGING AND RADIOLOGIC SCIENCES PROGRAM MISSION

IUFW Medical Imaging and Radiologic Sciences is committed to preparing highly qualified medical imaging technologists by integrating an outstanding baccalaureate academic education with a comprehensive clinical experience.

### IV. BSMI STUDENT LEARNING GOALS

1. Students will communicate effectively in the health care setting.
2. Students will utilize critical thinking and problem solving skills.
3. Students will model professionalism.
4. Students will demonstrate clinical competence.

#### Student Learning Outcomes

The student will:

- Exercise effective communication skills with patients.
- Apply effective interdisciplinary communication skills.
- Execute logical procedural variations for non-routine situations.
- Evaluate radiographic image quality.
- Exhibit the professional responsibilities of medical imaging technologists.
- Engage in self-development related to professional practice.
- Demonstrate clinical procedural proficiency.
- Utilize radiation safety practices.

### V. ACCREDITATION

#### University

IUFW is accredited under Indiana University – Purdue University Indianapolis (IUPUI) by The Higher Learning Commission of the North Central Association of Colleges and Schools. Various schools and health science programs have earned additional accreditation through professional societies.

#### Program

The IUFW Bachelor of Science in Medical Imaging is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), the accrediting agency for educational programs in radiography.

As an accrediting agency, the JRCERT complies with the United States Department of Education of Education (USDE) criteria for accredited programs. The JRCERT establishes, maintains, and promotes the appropriate standards of quality for education in radiography, and provides accreditation for educational programs which meet or exceed the standards outlined in the Standards for an Accredited Educational Program in Radiography.

The JRCERT Standards for an Accredited Educational Program in Radiography are available to students through the organization website.

For additional information or concerns about the accreditation process visit the listed website or contact:

Joint Review Committee on Education in Radiologic Technology  
20 N. Wacker Drive, Suite 2850  
Chicago, IL 60606-3182  
Chief Executive Officer:  
Leslie Winter, M.S., R.T. (R)  
(312) 704-5300  
[www.jrcert.org](http://www.jrcert.org)

## **VI. PROFESSIONAL REGISTRATION AND STATE LICENSURE**

### **A. Professional Registration**

Graduates of the IUFW MIRS Program who meet the required clinical standards are eligible to apply to sit for the national certification examination administered by the American Registry of Radiologic Technologists (ARRT). Successful completion of the ARRT examination earns the initial certification to practice as a Registered Technologist in Radiography, R.T. (R). Renewal is required annually and recertification will be required after 10 years. For further information regarding registration, certification or recertification, please contact the American Registry of Radiologic Technologists (ARRT):

American Registry of Radiologic Technologists  
1255 Northland Drive  
St. Paul, MN 55120-1155  
(651) 687-0048  
[www.arrt.org](http://www.arrt.org)

### **B. State Licensure/Indiana Licensure**

#### **State Licensure**

Most states require that individuals who operate radiographic equipment be approved by the state in which they are working. For information regarding specific state requirements outside of Indiana, please contact the appropriate state agency. A list of state contacts can be found at [www.arrt.org](http://www.arrt.org).

#### **Indiana Licensure**

The state of Indiana requires that anyone operating radiographic equipment be approved by the state. Students in an approved radiography program are required to obtain an Indiana State Permit that remains valid until six (6) months after the graduation date. The application process for a student permit is initiated by MIRS for students who have been admitted to the Professional Program.

Upon graduation and successful completion of the ARRT examination, the graduate will be eligible for Indiana State Licensure.

For further information regarding Indiana state licensure, please talk with a faculty member or contact:

Indiana State Department of Health  
Medical Radiology Services  
2 North Meridian Street, 4<sup>th</sup> Floor Selig  
Indianapolis, IN 46204  
(317) 233-1325  
<http://www.in.gov/isdh/23279.htm>

## VII. CURRICULUM

The JRCERT requires that programs follow a nationally recognized curriculum such as that established by the American Society of Radiologic Technologists (ASRT). The ASRT publishes the Radiography Curriculum, which outlines the content recognized by the profession as appropriate for radiography education. MIRS utilizes the guide for curriculum and course development.

The BSMI curriculum consists of two major areas: General Education and Professional Education.

### A. General Education

MIRS requires that the student complete the following General Education or equivalent general education coursework with a C- or higher at a regionally accredited college:

General Education Category	Course Required
Core Communication Writing	ENGL 13100
Core Communication Speaking and Listening	COM 11400
Analytical Reasoning - A	MA 15300 or MA 21300
Analytical Reasoning – A or B	CS 11200 Or PSY 20100 Or STAT 30100 Or MA 15300 or 21300
Life and Physical Sciences	BIOL 20300
Life and Physical Sciences	BIOL 20400
Life and Physical Sciences	CHM 10400
Social Sciences	PSY 12000 or SOC 16101
Social Sciences	COM 21200
Cultural Understanding	Any approved course
Arts / Humanities	Any approved course

## B. Professional Education

The Professional Medical Imaging coursework is a combination of classroom instruction, lab demonstration, procedural simulation, clinical experience, and professional development activities. Clinical experience is conducted at a variety of sites. The student progresses through the clinical portion of the Program by observing, assisting, and performing radiographic examinations under the supervision of radiologists and registered radiologic technologists until competency is attained. Once competency has been achieved, the student will continue supervised practice and work to fine tune the acquired skills until graduation.

Professional classes and clinical experience are generally held during the day, Monday through Friday. However, students are required to complete some non-traditional clinical assignment times and rotations. Non-traditional clinical experiences as defined by the JRCERT include any time scheduled outside of Monday – Friday, 5:00 a.m. – 7:00 p.m. Students are provided with clinical assignment schedules at least three weeks in advance of the beginning of each semester or summer session.

Professional development activities are assigned throughout the Program as part of specific course requirements. Some of these activities may occur outside of scheduled course times, and may include additional costs. Any student unable to participate in an assigned professional development activity will be required to complete a written assignment related to the activity. More information is provided in the applicable course syllabi.

## C. Professional Education Curriculum

The professional curriculum in Medical Imaging is designed to correlate classroom, lab and clinical experiences into a cohesive program which prepares students as highly qualified entry level radiographers. Students will enroll in professional courses as sequenced by the current curriculum. Students must complete all aspects of the Program with a C- or higher in order to complete the degree.

<b>Medical Imaging Professional Curriculum</b>		
RADX-R105	Orientation to Radiography and Medical Imaging	3 Cr.
RADX-R106	Fundamentals of Patient Care for Medical Imaging	3 Cr.
RADX-R111	Radiography I with Lab	3 Cr.
RADX-R185	Understanding Medical Terminology	3 Cr.
RADX-R211	Radiography II with Lab	3 Cr.
RADX-R215	Medical Imaging Modalities	3 Cr.
RADX-R255	Radiation Biology and Protection in Radiography	3 Cr.
RADX-R270	Radiologic Physics	3 Cr.
RADX-R271	Foundations of Image Acquisition	3 Cr.
RADX-R304	Medical Imaging Anatomy	3 Cr.
RADX-R305	Radiographic Image Critique	3 Cr.
RADX-R306	Radiographic Pathology	3 Cr.
RADX-R307	Pharmacology for Medical Imaging	3 Cr.
RADX-R310	Seminar in Radiography	3 Cr.
RADX-R315	Exploration of Imaging Modalities	3 Cr.

RADX-R320	Professional Development in Medical Imaging	3 Cr.
RADX-R371	Advanced Image Acquisition	3 Cr.
RADX-R400	Leadership in Medical Imaging	3 Cr.
RADX-R401	Legal and Ethical Issues in Medical Imaging	3 Cr.
RADX-R410	Imaging Informatics and Acquisition Technology	3 Cr.
RADX-R450	Quality Management in Medical Imaging	3 Cr.
RADX-R481	Capstone in Medical Imaging	3 Cr.

Clinical Education Component of Professional Curriculum		
RADX-R190	Introduction to Clinical Education	2-4 Cr.
RADX-R191	Clinical Education I	2-4 Cr.
RADX-R192	Clinical Education II	2-4 Cr.
RADX-R291	Clinical Education III	2-4 Cr.
RADX-R292	Clinical Education IV	2-4 Cr.
RADX-R293	Clinical Education V	2-4 Cr.
RADX-R391	Clinical Education VI	2-5 Cr.

#### D. Transfer Credit Policy

##### 1. General Education Coursework

IU Fort Wayne MIRS awards transfer credit for general education coursework completed at a regionally accredited college or university in which the student has earned a C- or better. Transfer coursework is evaluated by the University at the time of admission to the institution.

##### 2. Professional Education Coursework

Requests for transfer credits for professional courses will be reviewed by MIRS on an individual basis. A request for such transfer credit does not guarantee approval of credit.

#### E. Tuition and Fees Policy

Students will pay tuition and fees **directly to the University each semester** for their courses.

##### **Class of 2019 and 2020:**

Refer to current cost at PFW at <https://www.pfw.edu/offices/bursar/tuition-fees/>

##### **Class of 2021:**

Refer to current cost at IUFW at <https://www.iufw.edu/paying-for-college/cost-of-iu-fort-wayne/index.html>

Additional course and lab fees associated with professional courses include items such as clinical tracking software, radiation personnel monitoring devices, infection control and venipuncture supplies, and professional academic and development resources.

Students will incur additional expenses throughout the 3-year Program for clinical compliance requirements (immunizations, TB testing, etc.), books/ebooks, electronic education tools, image markers, thyroid collar, uniforms, and travel to clinical sites and professional activities. Refer to current Program fees at [www.iufw.edu/medical-imaging](http://www.iufw.edu/medical-imaging)

## **F. Withdrawal and Refund Policy**

Students withdrawing from the MIRS Program must:

### **1. Withdrawal Policy**

- a. Provide a written statement to the Program Director indicating resignation and the intended date.
- b. Return all dosimeters, Hospital Access badges, and parking permits.
- c. Return any borrowed property to MIRS and the University.
- d. Pay any outstanding debts.

### **2. Refund Policy**

#### **Class of 2019 and 2020:**

Refer to the PFW Refund of Fees Schedule, available at <https://www.pfw.edu/offices/bursar/refunds/>

#### **Class of 2021:**

Refer to the IUFW Refund of Fees Schedule, available at <https://www.iufw.edu/pay-bill/receive-refund.html>

## **G. Transcript Policy**

#### **Class of 2019 and 2020:**

Transcripts may be requested by the student at the Registrar's office in Kettler Room 107 or online at: <https://www.pfw.edu/registrar/>

#### **Class of 2021:**

Transcripts may be requested by the student at Student Central in Neff Hall Room 110 or online at: <https://www.iufw.edu/grades-records/transcripts.html>

## **VIII. GRADUATION REQUIREMENTS**

In order to earn the Bachelor of Science in Medical Imaging Degree from IUFW the student must:

1. Successfully complete all requirements of MIRS and the University.
2. Meet all financial obligations to the University.
3. Follow the policies of MIRS and the University.
4. Complete all professional education courses in good academic standing according to the established MIRS guidelines.

5. Perform the required number of clinical competencies.
6. Return any borrowed property to MIRS and the University.
7. Submit an application for graduation prior to the application deadline. Graduation application information is provided to candidates prior to the deadline.

Deadlines for graduation application are as follows:

<u>Expected Graduation</u>	<u>Class of 2019 &amp; 2020</u>	<u>Class of 2021</u>
Fall Semester	June 1	May 15
Spring Semester	November 1	October 15
Summer Session I or II	February 1	January 15

## IX. PERSONNEL

### A. Faculty

In addition to providing the resources necessary to prepare the student to fulfill the goals and objectives of MIRS, the Faculty also functions to:

1. Provide student advising and mentoring.
2. As a committee, evaluate each student's academic performance at the completion of each grading period and take the appropriate disciplinary action toward those students who have not met the requirements for good standing.
3. Serve as members on the Medical Imaging Faculty Committee, Admissions Committee, and the Medical Imaging and Radiologic Sciences Assessment Committee.
4. Serve as members of various Campus, and University Committees.
5. Participate in various clinical site activities to promote the sharing of information and improve communication between MIRS and the imaging community.
6. Participate in service, professional development, and scholarly activities.

### Members of the Medical Imaging Faculty Committee include:

Cheryl Duncan, M.S., R.T. (R)(QM) Program Director & Assistant Professor of Clinical Radiologic and Imaging Sciences Office: (260) 481-6146 Email: <a href="mailto:cherdunc@iu.edu">cherdunc@iu.edu</a>	Andrew Boehm, M.S., R.T. (R) Assistant Professor of Clinical Radiologic and Imaging Sciences Office: (260) 481-0513 Email: <a href="mailto:asboehm@iu.edu">asboehm@iu.edu</a>
Ann Obergfell, J.D., R.T. (R) Associate Vice Chancellor of Academic Affairs and Operations & Professor Office: (260) 481-0512 Email: <a href="mailto:amobergf@iufw.edu">amobergf@iufw.edu</a>	Matthew Powell, M.S., R.T. (R), CIIP Assistant Professor of Clinical Radiologic and Imaging Sciences Office: (260) 481-0518 Email: <a href="mailto:powelmad@iu.edu">powelmad@iu.edu</a>
Michelle Fritz, M.S.Ed., R.T.(R) Clinical Coordinator & Assistant Professor of Clinical Radiologic and Imaging Sciences Office: (260) 481-0515 Email: <a href="mailto:fritzm@iu.edu">fritzm@iu.edu</a>	Stephanie Lehto, B.S. Program Secretary Office: (260) 481-0511 Email: <a href="mailto:slehto@iu.edu">slehto@iu.edu</a>

## B. Clinical Instructors

Clinical Instructors are responsible for supervising and evaluating students at the various clinical sites. Instructors also serve as liaisons between the clinical sites and MIRS.

### Clinical Instructors include:

Christina Owens, R.T. (R)	Fort Wayne Orthopedics- Auburn
Theresa Tindall, R.T. (R)(M)	Fort Wayne Orthopedics - Dupont
Alissa Stalter, R.T. (R)	Fort Wayne Orthopedics
Karen Staight R.T. (R)	Fort Wayne Orthopedics
Amanda Hildenbrand, R.T.(R)(CT)	Lutheran ER – Statewood *Pending complete
Andrea Clemons R.T. (R)	Parkview Hospital New Vision Imaging/Lab
Fallon Buswell, R.T.(R)	Parkview Hospital New Vision Imaging/Lab
Rachael O’Hair, R.T.(R)	Parkview Hospital New Vision Imaging/Lab
Jennifer Shank, R.T.(R)	Parkview Hospital New Vision Imaging/Lab
Kara Tullis, R.T.(R)	Parkview New Haven Medical Park
Amber Thwaites R.T. (R)	Parkview Hospital
Aubrey Ehle R.T. (R)	Parkview Hospital
Bonnie Doerffler, R.T.(R) (M)	Parkview Hospital
George Pavlidis R.T. (R)	Parkview Hospital
Jim Rust, R.T.(R)	Parkview Hospital
Jeny Dentler, R.T.(R)	Parkview Noble
Christie Wysong, R.T.(R)	Parkview Noble
Felicia Hahn, R.T.(R)	Parkview Regional Medical Center (PRMC)
Kathy (K.C.) Henderson, R.T. (R)	Parkview Regional Medical Center (PRMC)
Chris Keller, R.T.(R)	Parkview Regional Medical Center (PRMC)
Melissa McMahon, R.T.(R)	Parkview Regional Medical Center (PRMC)
Brittany Ritchie, R.T. (R)	Parkview Regional Medical Center (PRMC)
Tina Shelton, R.T.(R)	Parkview Regional Medical Center (PRMC)
Jessica Shull, R.T.(R)	Parkview Regional Medical Center (PRMC)
Kelly Kline, R.T. (R)	Parkview Regional Medical Center (OSC)
Katrina Kline, R.T. (R)	Parkview Regional Medical Center (OSC)(PCI)
Kalli Graham, R.T.(R)	Parkview Regional Medical Center (POM)
Christopher Patton, R.T. (R)	St. Joe Hospital
Angela Capps, R.T. (R)	Parkview Warsaw
Phoebe Shroyer, R.T. (R)	Summit Pain Management

## C. Medical Imaging and Radiologic Sciences Assessment and Advisory Committee

It is the responsibility of the Medical Imaging MIRS and Radiologic Sciences Assessment and Advisory Committee to counsel, suggest and recommend items to the Faculty that will benefit the Program and meet the needs of the medical imaging community. The MIRS Assessment and Advisory Committee serves in an advisory role to provide the following functions:

1. Review the instructional Program content for current techniques and procedures necessary to meet/exceed the needs of the standards of the accrediting agencies, as well as those of the medical imaging community.
2. Evaluate the assessment plan to assure continuous Program improvement.
3. Analyze Program effectiveness data and student learning outcomes.
4. Provide input on the quality and relevance of education provided by MIRS.

**Members of the MIRS Assessment and Advisory Committee include:**

Andrew Boehm, M.S., R.T. (R)	Assistant Professor, MIRS
Cheryl Duncan, M.S., R.T. (R)(QM)	Director, Assistant Professor, MIRS
Michelle Fritz, M.S.Ed., R.T.(R)	Assistant Professor, MIRS
Aubrey Ehle, B.S., R.T.(R)	Adjunct Lecturer, MIRS
Stephanie Lehto, B.S.	Secretary, MIRS
Ann Lewis, B.S.	Academic Advisor, Ivy Tech Community College
Ann Obergfell, J.D., R.T. (R)	Associate Vice Chancellor of Academic Affairs and Operations & Professor, IUFW
George Pavlidis, R.T. (R)	Radiologic Technologist, Parkview
Dr. David Powell, MD	Radiologist, Fort Wayne Radiology
Matthew Powell, M.S., R.T. (R), CIIP	Assistant Professor, MIRS

In addition to members who have committed to serve on the Assessment and Advisory Committee, all clinical site managers, technologists and students are invited to attend the annual Assessment and Advisory Committee Meeting and participate in the Program assessment and advisory process.

# REGULATIONS AND POLICIES

## I. ACADEMIC AND PROFESSIONAL STANDARDS AND DISCIPLINARY ACTION

### A. Academic and Personal Conduct for MIRS Students

Serving in a healthcare field requires professional behavior based on integrity, common sense, respect for civil law, adherence to social norms, observance of professional standards, and moral responsibility. We expect our students to conduct themselves honorably and professionally at all times, both in the didactic and clinical setting.

All MIRS students are subject to both Purdue Fort Wayne (PFW) and IUPUI regulations, policies and procedures for any incident related to a violation of academic or personal misconduct.

Any form of academic or personal misconduct is in direct conflict with professionalism and will result in disciplinary action including possible dismissal from the Program. In addition to expectations outlined in this handbook, expectations for student behavior can be found in:

#### **The PFW Code of Students Rights, Responsibilities, and Conduct**

<http://catalog.pfw.edu/content.php?catoid=49&navoid=1457>

#### **The IU Code of Student Rights, Responsibilities, and Conduct**

<http://www.studentcode.iu.edu/>

#### **The IU School of Medicine Honor Code**

<https://medicine.iu.edu/about/policies-guidelines/honor-code/>

#### **The American Registry of Radiologic Technologists Standards of Ethics**

<https://www.arrt.org/docs/default-source/Governing-Documents/arrt-standards-of-ethics.pdf?sfvrsn=12>

#### **The American Society of Radiologic Technologists Practice Standards for Radiography**

<https://www.asrt.org/main/standards-regulations/practice-standards/practice-standards>

Additional details related to expectations for student behavior in the clinical setting are outlined in the **Clinical Education Handbook Section** of this document, and additional details related to expectations for behavior in the classroom may also be included in **course syllabi**.

### B. Disciplinary Action and Appeals Policies and Procedures

The procedures for imposing academic misconduct or personal misconduct sanctions are designed to provide students with the guarantees of due process and procedural fairness. A student has the right to appeal any decisions concerning an alleged act of misconduct as outlined in the following policies and procedures:

Sanctions imposed involving PFW staff, faculty, or students:  
**PFW Code of Students Rights, Responsibilities, and Conduct at**  
<http://catalog.pfw.edu/content.php?catoid=49&navoid=1457>

Personal Misconduct Sanctions imposed involving IUFW staff, faculty, or students:  
**Student Conduct, Disciplinary Procedures section of the IU Code of Student Rights, Responsibilities and Conduct at**  
<http://www.studentcode.iu.edu/procedures>

Academic Misconduct Sanctions imposed involving IUFW staff, faculty, or students:  
**Students may seek advice regarding academic misconduct sanctions from the Office of the IUFW Associate Vice Chancellor of Academic Affairs and Operations in Neff 140.**

Students may seek advice regarding which guidelines apply in a given circumstance by meeting with the IUFW Associate Vice Chancellor of Academic Affairs and Operations in Neff 140 or the PFW Office of the Dean of Students in Walb 111.

### C. Academic Standards

- **GRADING SYSTEM:**

Examinations and assignments are given regularly, in accordance with the course plans of each instructor. At the end of each grading period, final achievement in a particular course is indicated by a letter grade that is translated into the 4.0 grading system as follows:

	Grade	Scale	Grade Points
Exceptional Achievement	A+	99-100	4.0
	A	96-98	4.0
	A-	94-95	3.7
Above Average	B+	92-93	3.3
	B	89-91	3.0
	B-	87-88	2.7
Average	C+	85-86	2.3
	C	82-84	2.0
	C-	80-81	1.7
Below Average	D+	78-79.9	1.3
	D	75-77	1.0
	D-	73-74	0.7
Failure	F	72 & below	0.0

- **TEST RETAKE:**

If a student receives a Test Score below 80% (79.9 or lower) in any professional course during the Program, he/she must retake the test. The test must be retaken until a passing score (80% or above) is achieved. Only the original score will be used to calculate the final course grade. Arrangements to retake the test must be made by the student with the course instructor. The test retake rule does not apply to final exams.

- **GRADE POINT AVERAGE (GPA):**

Grade Point Average is computed by first multiplying the grade points for each course times the number of credit hours to receive the number of credit points. The sum of all credit points is divided by the sum of all corresponding credit hours.

- **IUFW CUMULATIVE GPA:**

Cumulative GPA includes all IUFW courses taken by a student and will be calculated at the end of each grading period.

- **PROGRAM CUMULATIVE GPA:**

Program Cumulative GPA is the average for all RADX courses taken by the student and will be verified at the end of each grading period to establish academic standing.

- **GOOD ACADEMIC STANDING:**

To be in good standing in MIRS, the following two requirements must be maintained throughout the three years in the Program:

- Students must achieve a grade of C- or better in all RADX courses.
- Students are also required to maintain a Program Cumulative GPA of 3.00.

- **VIOLATION OF ACADEMIC STANDARDS:**

Students who fail to meet the requirements for Good Academic Standing are subject to dismissal from MIRS.

#### **D. Grade Grievance/Appeals Policy & Procedure**

A student who desires to dispute a course grade due to mechanical or other such error should first address the concern with the instructor of the course. If no resolution is reached, the student should address the concern with the MIRS Program Director. If no resolution is reached, the student may:

**For courses offered through PFW:**

Refer to the Grade Appeals procedure at

<http://catalog.pfw.edu/content.php?catoid=49&navoid=1457>

**For courses offered through IUFW:**

File a **Grade Change Petition. The Change of Grade Petition Form** and more information is available through the following link:

<https://iufw.edu/grades-records/grade-changes.html>

## II. PROGRAM POLICIES

The Program policies listed in this section do not include all of the policies and procedures related to the clinical education component of the Program. Please refer to the Clinical Education Section of the Handbook for policies related to Clinical Education requirements.

### A. Attendance Policy

#### **ABSENCES**

Students in MIRS are required to attend all classes and all clinical assignments in accordance with the Clinical Attendance Policy. We recognize that illness and emergency situations do occur and that in certain situations absence from class and/or clinic may be unavoidable. When possible, absences are to be prearranged with the MIRS Faculty associated with the course missed. Unexpected absences must be accounted for satisfactorily.

Please see [Clinical Attendance Policy](#) for policy details.

#### **CLASSROOM ATTENDANCE POLICY AND PROCEDURES**

Students are required to attend all scheduled classes. Illness and/or emergencies are the only acceptable excuse for absence from class. If you are ill, you must notify the faculty at least ½ hour prior to the class start time to report the absence. Absences other than illness must be explained to the satisfaction of the course faculty who will decide whether the omitted work may be made up. Students are responsible to make arrangements for make-up of incomplete work assignments, classroom assignments and/or examinations. The syllabus for each course will describe the attendance requirements for that course. Faculty may use attendance as a portion of the grade for each course.

#### **Absence from Examinations**

Each faculty member is to include in the course syllabus the restrictions and procedure the student must follow if an examination is missed. Documentation of illness may be required. A student who does not contact the instructor as soon as he/she returns to campus after an illness may not be allowed to make up the examination. It is expected that the student will take make-up examinations **before or on the day that the student returns to class** unless a faculty member's syllabus indicates otherwise or the faculty member approves another arrangement.

#### **Classroom Tardiness and Disruptions**

Classroom courses will begin at the scheduled time. Students are expected to be in their seats ready to participate when class begins. If you arrive late, please be courteous to the faculty and other students by being as quiet as possible in taking a seat in the class. Classroom instructors may assess grading penalties for habitual tardiness. Students should avoid activities that may result in a disruption of a class. Examples of such disruptions include leaving the room during the class time, receiving text messages or phone calls (turn devices off), inappropriate use of wireless internet connection during

class, and talking to those around you when not appropriate to the activity. Faculty may require students to leave class if they are disruptive. Inappropriate use of laptops or other electronic devices will result in loss of privilege during class sessions.

## **B. Criminal Charges Policy**

If a student is brought up on any criminal charge while in the Program, they MUST:

1. Inform the Program Director immediately. The Program Director will work with the University, Clinical Coordinator, and Clinical Site Administration and will help the student to work with the ARRT to determine if:
  - a. it is necessary for the student to take a leave of absence until the issue is resolved and full rights are restored to the student.
  - b. the student will be eligible to sit for the national certification examination.
  - c. the student may continue their education at the clinical sites.
  - d. the student must be dismissed from the Program.
2. A student who fails to disclose a criminal charge to the Program Director is subject to dismissal from the Program.

## **C. Alcohol and Substance Abuse Policy**

Under the guidelines of the Academic and Professional Standards and Disciplinary Action section of this handbook, any student who is unable to perform his/her clinical duties because of being under the influence of intoxicants or controlled substances, obtains illegally or has illegal possession, or participates in the sales or use of intoxicating or controlled substances at any site affiliated with MIRS will be subject to immediate dismissal from the Program.

All students will undergo substance abuse testing annually, and any student who is suspected of using alcohol or illicit drugs which interferes with or adversely affects the student's clinical and/or didactic performance may be subjected to alcohol or drug testing as required by the Faculty Committee. Cost of any drug testing will be incurred by the student.

### **ALCOHOL AND DRUG TESTING PROCEDURE**

When the Faculty Committee has a reasonable basis for suspecting a student is using alcohol or illegal substances which has interfered with or adversely affects the student clinical and/or didactic performance, the following procedure will be followed:

1. If a Faculty member receives a report or suspects that a student is under the influence of alcohol or drugs while in class or clinic, the Faculty member should immediately have these suspicions confirmed by another Faculty member or clinical department administrator.
2. Once these suspicions are confirmed, the student will be removed from the clinic or didactic area and the Program Director and/or Clinical Coordinator will be notified.

The Faculty member and other witnesses must document any observed, abnormal behavior/condition in performance. Examples include, but are not limited to:

- a. drowsiness and/or sleepiness
  - b. odor of alcohol
  - c. slurred/incoherent speech
  - d. unusually aggressive or hyperactive behavior
  - e. unexplained clinical/didactic errors, accidents, etc.
  - f. mood swings
  - g. lack of manual dexterity, impaired hand-to-eye coordination in gait
  - h. frequent unexplained absence from clinic or patterns of absence
3. The Program Director and/or Clinical Coordinator will meet with the student to discuss this issue and arrange for necessary alcohol and/or drug testing if indicated. The appropriate Consent to Test Form will be presented to the student. The student will be responsible for any fees related to such testing. A student who refuses to immediately consent to testing will be immediately suspended from clinic and subject to dismissal. Transportation home for the student will be arranged if appropriate.
  4. Any testing will be completed using accepted testing methods, with fully documented specimen handling; confirmed and interpreted test results will be provided to MIRS. Any trace of alcohol or illegal drugs will be considered positive upon confirmation. Legal drugs not used in accordance with applicable prescriptions or directions will be considered positive. In the event that the test results are not immediately available, the student will be suspended from clinic and transportation arranged. The student will be informed of test results and any disciplinary proceedings through the Program and/or University.

Please see [Consent to Submit to Medical Testing and Refusal to Submit to Medical Testing Form](#).

#### **D. Medical Imaging and Radiologic Sciences Energized Laboratory & Equipment Policy**

Medical imaging students practice and simulate radiographic examinations and, under the supervision of ARRT certified and registered Faculty, conduct exposure experiments in designated MIRS imaging lab(s) on campus. Students must abide by the following policy when using the lab(s):

1. Students must adhere to the MIRS [Professional Conduct Policy](#) at all times.
2. Upon completing a lab equipment checklist, students may schedule use of the lab during off-hours for practice.
  - Requests must be submitted to a MIRS Faculty member at least 24 hours in advance to the requested time.
  - A request to schedule the lab does not guarantee permission.
  - In such cases of scheduled time, access to the exposure switch will be disabled.
3. Equipment must be operated in a manner consistent with its design at all times.

4. Any suspected equipment malfunction should be reported to the MIRS Faculty immediately.
5. Visitors are not allowed in the lab without prior approval from a MIRS Faculty member.
6. Students must clean the lab and properly store all equipment and supplies after each use.
7. Lab will remain locked when not in use.

If exposures are to be taken:

1. Direct supervision by a MIRS Faculty Member is required.
2. Dosimeters must be worn by all personnel during exposure labs.

## E. Student Concerns and Complaints

**Student Rights Complaints:** If a student believes that any of their rights have been violated by a member of the university community and wishes to file a complaint, the student should refer to:

**Class of 2019 and 2020:**

<http://catalog.pfw.edu/content.php?catoid=49&navoid=1457#complaint>

**Class of 2021:**

<http://www.iufw.edu/student-conduct>

**Academic Program Concerns:** Student concerns related to the academic Program (requirements, curriculum, faculty, advisors, policies, facilities, etc.) should be submitted in writing to the MIRS Program Director using the [Academic Program Concerns form](#) in Appendix D. The director will review the concern and work with the student(s) to find a reasonable solution. If the solution is not satisfactory to the student(s) or the concern regards the Program Director, the student(s) may appeal to the IUFW Associate Vice Chancellor of Academic Affairs and Operations.

**Student Services Concerns:** Student concerns related to student services (admissions, registrar, financial aid, bursar, etc.) should be directed to the IUFW Director of Student Central. If the solution is not satisfactory to the student(s) or the concern is in regards to the Student Central director, the student(s) may appeal to the IUFW Associate Vice Chancellor of Academic Affairs and Operations.

## F. Student Records

Official University records are maintained by the IUPUI registrar, IUPUI bursar, and IUFW Student Central.

Clinical compliance records including Health and Immunization Records are maintained in a secure on-line database. Students are provided information on how to access their personal records per the vendor's terms and conditions.

Program specific records are maintained in locked file cabinets and locked offices on the IUFW campus until one year post graduation. After that time, the individual student files are shredded and only aggregate data for each graduating class is kept.

Faculty maintain course specific records for the students enrolled in that faculty member's course. Faculty members are responsible for keeping individual student records confidential at all times.

## **STUDENT SERVICES AND ADVISING**

### **I. STUDENT SERVICES**

#### **Class of 2019 and 2020:**

Students are eligible for student services provided through Purdue Fort Wayne. Please refer to the PFW website to review student services available through the University at

<http://catalog.pfw.edu/content.php?catoid=49&navoid=1456> .

#### **Class of 2021:**

Students are eligible for specific student services provided through Purdue Fort Wayne and IUPUI. Please refer to the IUPUI website to review student services available through the

University at <https://www.iupui.edu/experience/index.html>

### **II. STUDENT ADVISING**

Each MIRS student is assigned a MIRS faculty advisor who will serve as the primary academic advisor throughout the Professional Program. The advisor will assist the student with academic success and planning, however, the student is responsible for his/her own academic progress and being knowledgeable about the academic requirements that must be met before a degree is granted.

Formal academic advising meetings are scheduled with MIRS faculty at mid-term each semester. The advising meeting includes, at minimum, review and discussion of:

- Current course grades
- Current clinical progress
- Student Self-Assessment
- Academic and clinical goals
- Progress toward degree completion

Academic and clinical progress of the student is monitored throughout the semester and shared with the student on an ongoing basis. An advisor or any faculty member may approach a student any time during the Program to discuss areas where performance surpasses normal expectations or areas where improvement is needed.

Students who are experiencing difficulties in the didactic and clinical coursework may obtain personal tutoring from the faculty. The student should seek help as soon as problems develop by contacting the faculty. Professional counseling is available through Purdue Fort Wayne Student Assistance Program. See <https://www.pfw.edu/counseling/> for more information.

# **CLINICAL HANDBOOK**

## **CLINICAL EDUCATION**

### **I. OVERVIEW & INTEGRATION OF DIDACTIC & CLINICAL EDUCATION**

Clinical education is a significant and integral part of the Program. The purpose of clinical education is to provide the student with the opportunity to transfer theory into practice and to develop the skills, competencies, and professional attributes necessary to perform as a competent entry-level radiologic technologist upon graduation.

The medical imaging curriculum is designed as an integration of didactic instruction and clinical education. The didactic portion of the curriculum includes classroom discussion, structured laboratory activities, and professional development experiences related to medical imaging. These didactic learning experiences are intended to provide the foundation of knowledge for students to apply in a clinical setting.

The curriculum for the first year of the Program is planned to guide students toward an understanding of the profession, methods of patient care and assessment, radiation protection, physics, and the principles and procedures of radiography so as to develop a foundation for clinical competence in the performance of routine radiographic examinations and patient care and assessment.

During the first year, students are assigned to clinical areas that are primarily responsible for skeletal and contrast media radiography, DEXA, portable/surgical procedures, and patient care and assessment for routine radiographic examinations. Students are also assigned to clinical areas that provide an understanding of the various roles in an imaging department and an opportunity to observe the patient care and assessment skills required in advanced imaging modalities.

The curriculum during the second and third year is focused upon expanding the principles, physics and skills learned in the first year, plus studying the effects of radiation, pathological variances, radiographic critique, legal and ethical implications of practice, safety and quality, informatics, professionalism and other imaging areas such as Vascular Interventional, Nuclear Medicine, Computerized Tomography, Radiation Oncology, Medical Sonography, Mammography, and Magnetic Resonance Imaging.

Students are assigned to clinical areas during the second and third year that are primarily responsible for expanding, refining and gaining proficiency in first year skills such as skeletal and contrast media radiography, portable/surgical procedures, trauma radiography, radiographic critique, quality assurance, and patient care and assessment.

During the second year, students will have the opportunity to select optional rotations that allow exploration of special imaging modalities in order to inform selection of the third year modality focus.

During the third year, students will select optional rotations in a special imaging modality that supports the potential pursuit of advanced certification in modality of their choice: Bone

Densitometry, Computerized Tomography, Magnetic Resonance Imaging, Mammography, and Vascular Interventional.

## II. CLINICAL SUPERVISION POLICY

Medical Imaging students must be supervised by a qualified radiologic technologist when participating in or performing any medical imaging procedures. For all clinical rotations, each student is assigned a supervising RT (R) by the Clinical Instructor at the respective site. This assignment is verbally conveyed to students when they arrive for clinic or may be posted on the Clinical Assignment Sheet (see Appendix D). The assigned supervising technologist is responsible for the supervision of his/her assigned student as described below.

When students are in their assigned clinical areas, they will respect the authority of each Faculty member, Clinical Instructor and all supervising RTs and Radiologists.

Each Clinical Instructor is responsible for:

- Directing the proper supervision and evaluation of all students in the clinic
- Completing Post Competency Evaluations
- Assisting sections of Clinical Education courses as needed
- Ensuring that students adhere to the policies of MIRS and the Imaging Department/Clinical Facility
- Communicating any problem, conflict, or suggestion for improvement regarding either a student or the Clinical Program to a faculty member.

The degree of supervision required for a student depends upon the level of the student's clinical competency. As students progressively gain proficiency in procedures, they are allowed to assume more responsibility. Students are guided toward greater independence so as to develop speed, confidence and the ability to organize and work under pressure. Students, however, shall NOT take the responsibility or place of a RT(R) to supplement inadequate staffing.

### A. DIRECT SUPERVISION

#### 1. Direct Supervision is required for:

- a. Any examination for which a student has not demonstrated and documented competency
- b. Any repeat examination
- c. All invasive procedures, e.g. IVU, Colon
- d. All portable and surgical procedures

#### 2. Direct Supervision requires that a qualified RT(R):

- a. Checks the order and the examination request and reviews it related to the student's achievement.
- b. Assesses the condition of the patient to determine if it would be contraindicative to performance by the student.
- c. Is present (in the room) either assisting or observing the student.
- d. Critiques and approves all radiographic images before the patient is released.

## B. INDIRECT SUPERVISION

1. **Indirect Supervision** is acceptable for non-invasive routine diagnostic imaging procedures performed in the imaging department for which a student has demonstrated and documented competency.
2. **Indirect Supervision** requires that a qualified RT(R):
  - a. Checks the order and the examination request and reviews it related to the student's achievement.
  - b. Assesses the condition of the patient to determine if it would be contraindicated to performance by the student.
  - c. Is ***immediately available*** to assist the student if the need arises (technologist must be close enough to hear a call for help)
  - d. Critiques and approves all radiographic images before the patient is released.

## III. GRADING POLICY

A student's Clinical Education grade is based on his/her performance of the clinical objectives. Objectives are outlined and provided to students in the Clinical Education syllabi each semester and include expected performance outcomes related to cognitive, psychomotor and affective behaviors. Clinical Education grades are determined using the evaluation tools and assessments listed below. The weight of each assessment item may vary from semester to semester and is provided to students in the Clinical Education syllabi.

### A. Clinical Education Coursework/Assignments

Each semester, students are required to complete a specific assignment (or assignments) related to clinical education experiences. Detailed instructions and information regarding the assignment(s) will be provided on the Clinical Education syllabus at the beginning of each semester. The completed assignments are reviewed and graded by the Medical Imaging Faculty member(s) responsible for the Clinical Education course that semester, and the scores are used in the calculation of the Clinical Education grade.

### B. Clinical Attendance

Please refer to the [Clinical Attendance Policy](#) for more details.

### C. Clinical Assignment Evaluations

Student performance in assigned clinical areas is evaluated at the end of each clinical assignment rotation. A [Clinical Assignment Evaluation](#) will be provided by the student to his/her assigned supervising RT(R) who will complete it in the E-Value Tracking system. Each response on the evaluation is assigned a point value. The point values for all evaluations in a given semester are tabulated, averaged and converted into a percentage that will be used in the calculation of the Clinical Education grade.

Each student is required to submit an evaluation for each clinical rotation. Failure to submit an evaluation for each clinical rotation will result in a reduction of the clinical education grade by a percentage specified in the Clinical Education Syllabus. Students must have a

minimum of 75% of the total evaluations completed. Failure to achieve this minimum number by the end of the semester will result in lowering the Clinical Education course grade by one letter. For example, if a total of 8 evaluations are submitted, completion of 5 evaluations or less would result in a drop of the course grade by one letter. The total number of evaluations received is based on assigned rotations, not the number of evaluations submitted by student. (Please refer to the [Clinical Assignment and Evaluation Policy](#) for more details.)

#### **D. Faculty Clinical Assessment**

Throughout the semester, individual student progress is evaluated and noted by the Faculty during clinical sites visits and/or lab simulations. At the end of each clinical site visit or simulation, Faculty members will complete the [Faculty Clinical Assessment](#) for each student observed. The assessment scores from all Faculty members over the course of the semester will be averaged, converted into a percentage, and used in the calculation of the Clinical Education grade.

#### **E. Submission of Clinical Competency Evaluations**

Students are required to have successfully completed and submitted a specific number of [Clinical Competency Evaluations](#) each semester. Failure to achieve 85% of the required amount by the end of semester will result in lowering the Clinical Education course grade by one letter grade. For example, if the total number of required Mandatory and Elective clinical competencies for a semester is 25, completion of 20 or less would result in a drop of the course grade by one letter grade. (Please refer to the [Clinical Competency Policy](#) for more details.)

#### **F. Adherence to Clinical Policies and Expected Student Conduct**

Students are expected to adhere to the clinical policies and conduct as outlined throughout the MIRS Student Handbook.

Documented violations of policy and/or misconduct will result in lowering the Clinical Education course grade as specified in each policy or section. Please note in specific policies that there are certain cases of violation and/or misconduct that will result in failure of the Clinical Education course and the initiation of procedures for dismissal from the Program.

#### **G. Combination of Penalties**

The Clinical Education course grade will be lowered for each incident of failure to meet the requirements for Clinical Assignment Evaluations, Clinical Competencies, Clinical Attendance, and/or Adherence to Clinical Policies and Professional Conduct as described above. For example, a student's failure to complete and submit the minimum Clinical Assignment and Clinical Competency Evaluations will result in a TWO letter grade drop of the Clinical Education grade.

## H. Grading Scale

	Grade	Scale	Grade Points
Exceptional Achievement	A+	99-100	4.0
	A	96-98	4.0
	A-	94-95	3.7
Above Average	B+	92-93	3.3
	B	89-91	3.0
	B-	87-88	2.7
Average	C+	85-86	2.3
	C	82-84	2.0
	C-	80-81	1.7
Below Average	D+	78-79.9	1.3
	D	75-77	1.0
	D-	73-74	0.7
Failure	F	72 & below	0.0

## IV. CLINICAL ATTENDANCE POLICY

Consistent, punctual attendance in the clinical setting is essential in order to develop clinical competence, interpersonal communication skills, an aptitude for teamwork and professionalism, and appropriate patient care for diverse populations. The number of personal days, late arrivals, and days missed in excess of personal days will be tracked on a clinical attendance record, and excessive tardiness and/or absence from clinic will result in lowering the Clinical Education grade as described below.

Students are required to achieve of the minimum objectives outlined for clinical experience courses regardless of the student's attendance pattern. All clinical hours must be appropriately documented and will be reviewed and evaluated by MIRS Faculty.

### A. Clinical Absences

#### Absences/Personal Days

Students are allotted the following personal time for each of the following clinical education courses:

<b>Clinical Education course</b>	<b>Allotted Personal Days (taken in half day increments)</b>
Intro to Clinical Education	Two clinical days
Clinical Education I	Two clinical days
Clinical Education II	Three clinical days
Clinical Education III	Three clinical days
Clinical Education IV	Two clinical days
Clinical Education V	Three clinical days
Clinical Education VI	Three clinical days

Students who are absent more than the allotted personal days in a given semester or summer session will have their Clinical Education grade lowered one letter grade. Any missed days beyond the allotted personal days will need to be made up before completion of the clinical education course. The clinical days must be made up prior to the beginning of the following

semester/session or the student will not be allowed to progress through the Program. In some circumstances (such as in cases of extended illness or death of an immediate family member), a student may petition the Faculty Committee for an exception to any part of this policy. However, a petition to the Committee does not guarantee that an exception will be granted.

If you will be absent from clinic, you must send an email to the Clinical Coordinator and call the clinical site at least ½ hour prior to the clinical start time to report the absence. Absence from clinic due to an emergency will be counted as a Personal Day and must be reported to the Clinical Coordinator and the clinical site as soon as possible. Any clinical time missed beyond allotted Personal Days must be made up at a time arranged with and approved by the Clinical Coordinator.

### **PROFESSIONAL DEVELOPMENT ACTIVITIES**

On occasion, a student or students may request or be assigned to participate in professional development that takes place during scheduled clinical hours. These events must be pre-approved by the Program Director or Clinical Coordinator. Students will **not** be required to make up clinical days missed due to **pre-approved** activities directly related to professional development. The days missed will not be counted as Personal Days, and will not impact the Clinical Education grade.

### **UNIVERSITY RELATED ACTIVITIES**

Students who participate in official University clubs, scholarship events, or other University activities may be required to attend related events during scheduled clinical hours. Absence from clinic for these events must be pre-approved by the Program Director or Clinical Coordinator. These events will be reviewed on a case-by-case basis with regard to the clinical schedule and make-up requirements. The clinical time missed for these events will not be counted as Personal Days, and will not impact the Clinical Education grade.

## **B. Clinical Tardiness**

The Medical Imaging Faculty believe that students should be prompt to clinical assignments. We also recognize that situations beyond the student's control may happen. A student who arrives to clinic 1-15 minutes late will be counted as tardy. Tardy occurrences are noted on the student's attendance record. A student who is tardy for clinic more than 3 times in a semester/session will have his/her Clinical Education course grade lowered **one** letter grade. If the student is more than 15 minutes late to clinic the student will be charged a Personal Day.

## **C. Clinical Tracking/Make-Up Time**

1. Time missed beyond allotted Personal Days is required to be made-up. This make-up time will be scheduled by the student with the approval of the Clinical Coordinator on any available unscheduled days during the semester of the occurrence(s). Due to clinical site availability, make up time will frequently be scheduled on weekends.
2. Clinical time missed will be tracked and made up in ½ clinical day increments of 3 hours each.

3. Make-up time must be completed prior to beginning the semester following the occurrence(s) of the clinical absence(s). Students who do not complete assigned make-up time within the specified time will be subjected to dismissal from the Program.

**D. Designated Breaks and Holidays**

MIRS follows the IUFW Academic Calendar for breaks and holidays. During these designated dates, classes will not be held and students will not be scheduled for clinical assignments or make-up time. The IUFW Academic Calendar is available on the IUFW website

<https://www.iufw.edu/student-central/index.html>

**E. Inclement Weather**

When weather conditions are such that the Fort Wayne campus is closed, all Medical Imaging classes and clinical assignments are cancelled. In these cases, students do not need to contact the Clinical Coordinator nor the clinical site. Note: In the event that the campus does not close and a student feels road conditions are too dangerous to drive, or the roads have been shut down by their county, the student may contact the Clinical Coordinator to report an absence due to emergency weather conditions.

**F. E-Value Time Log (Attendance Record)**

Students are responsible for keeping an accurate daily record of their time spent in the clinic. It is the student's responsibility to clock-in immediately upon arrival and clock-out before leaving for the day.

<b>Reporting a Personal Day/Missed Day</b>
Email the Clinical Coordinator at least 30 minutes before the start of the shift on/or before the scheduled day and call the clinical site at least 30 minutes prior to the start of the shift. In an emergent situation notify the Clinical Coordinator and clinical site as soon as possible.
*Electronically submit the absence in E*Value the same day.
All personal days must be reported through E*Value. This must be entered in E*Value in the notes section of Time Tracking within the same day.

Students are expected to be honest and ensure accuracy in the recording of their times. Misrepresentation of clinical attendance is considered falsification of records and will result in failure of the Clinical Education course and generate the initiation of procedures for dismissal from the Program.

The student is responsible for recording the major types of procedures observed, or participated in, as well as other duties performed that day so that the Faculty can quickly assess the effectiveness of the clinical rotation. This note should be made in the notes section of the time log in E-Value Tracking System when clocking out.

## **V. CLINICAL ASSIGNMENT AND EVALUATION POLICY**

### **A. Clinical Assignment Allocations and Schedules**

Clinical assignments are based on the performance objectives of each Clinical Education course, and, therefore, vary from semester to semester. Although every effort has been made to ensure equity in the types of clinical areas between institutions, it is impossible to make the rotations exactly equal. This is because of differences in the number of students and slight variances between the imaging departments. Clinical Assignment Schedules are computed on a semester basis. Copies are given to the students at least three weeks prior to the beginning of the semester. Copies are also provided to the departments at each clinical site and kept on file at the MIRS office. Students are not permitted to trade clinical rotations with other students without specific permission from either the Program Director or the Clinical Coordinator.

### **B. Non-Traditional Clinical Assignments**

Non-traditional clinical experience is defined by the JRCERT as any time scheduled outside of Monday – Friday, 5:00 a.m. – 7:00 p.m. Students will be assigned some rotations during non-traditional times throughout their clinical experience in the Program. The purpose of assigning students to evening and weekend rotations is to provide a different but essential learning environment which:

1. Allows students to experience diagnostic imaging operations on shifts other than the typical day shift.
2. Provides opportunities for students to work closely with critically ill, trauma, and other patient types not commonly seen during a weekday.
3. Provides additional opportunities for students to participate in portable and surgical procedures.
4. Aids the development of independent judgment and teamwork activities.

### **C. Clinical Objectives for Non-Traditional Assignments**

The student will:

1. Observe the prioritization of the patient work list.
2. Progress to active participation in the prioritization of the patient work list.
3. Observe the image sequencing of critically ill and traumatized patients.
4. Progress to active participation in the image sequencing of critically ill and trauma patients.
5. Develop proficiency in portable and surgical procedures.
6. Develop communication and patient care skills with the critically ill, critically traumatized, intoxicated, drugged, uncooperative and assaulted patients.

## D. Clinical Evaluations

The supervising RT(R) will be responsible for evaluating his/her assigned student in such categories as student appearance, punctuality with limited absences, initiation, radiation protection practices, clinical skills and abilities, patient care and communication, teamwork, and professionalism. Near the end of his/her Clinical Assignment rotation, the student is responsible for sending the supervising RT(R) a Clinical Evaluation Form. Please refer to the guidelines listed below regarding Clinical Evaluations.

1. The student is responsible for providing the appropriate form to the supervising RT(R) (see Appendix D). The [Clinical Assignment Evaluation](#) form is to be used for all clinical rotations.
2. The student will submit an evaluation through the E-Value Tracking System.
3. The RT(R) will complete the evaluation indicating the student's progress, clinical strengths, and areas for needed improvement. The evaluation must then be submitted by the RT(R).
4. If a student is assigned to more than one RT(R) during the rotation, the student should send the evaluation to the RT(R) he/she worked with the most. Or, a student may elect to give an evaluation to each of the RT(R)s he/she was assigned to during the rotation, and all of the evaluations will be tabulated together.
5. The RT(R) may or may not elect to discuss the evaluation directly with the student. If the RT(R) does not discuss it with the student, the student will be able to read the evaluation and make any desired comments. In the E-Value Tracking System, students are given the opportunity to review all evaluations submitted after MIRS reviews/releases the evaluation in the E-Value system. Whenever the student reads the evaluation, he/she must agree or disagree with the evaluation in the E-Value System. Grades on the evaluation will count whether the student agrees or disagrees.
6. The responses on the Clinical Evaluations are tabulated and averaged into the Clinical Education grade twice every semester: At mid-semester and again at the end of the semester. After calculations of the grades, mid-semester conferences and end-of-semester review are held and progress is discussed.

## E. Student Self-Evaluations

The students are required to complete a [Self-Evaluation Form](#) related to clinical progress which includes goals for the following grade period at mid-semester. The student self-evaluation:

1. Provides the students an opportunity to reflect on their past and current performance in the clinic.
2. Guides the students in selecting individualized goals.

## **VI. CLINICAL COMPETENCY POLICY**

The purpose of this policy is to outline the procedural requirements and rules which the student and RT(R) will utilize in completing Clinical Competency Evaluations (Appendix D). These evaluations will help the student develop the clinical competencies necessary to function as an entry-level medical imaging technologist. It is up to the judgment/discretion of the RT(R) whether to allow the student to perform an exam for competency. Patient condition or insufficient time would be examples of acceptable reasons for discouraging a competency attempt. However, the RT(R) should be mindful that each student must complete a minimum number of competencies each semester.

### **A. Clinical Competency Requirements Checklist**

The [Clinical Competency Requirements Checklist](#) in the Appendix is a sample of a list of competencies that must be successfully completed by a student during the Program as a requirement for graduation. Students are provided with the form listing their requirements in the Orientation course. The form includes a place to record the date of each documented competency completed in General Patient Care and Imaging Procedures as well as a place to indicate if each competency was completed as a simulated exam or on a patient.

### **B. General Patient Care**

Students are required to demonstrate competency in the general patient care practices listed on the Clinical Competency Requirements Checklists form. With the exception of CPR, these competencies are demonstrated, simulated and evaluated during Patient Care and/or Clinical Education courses and labs conducted by MIRS Faculty. Students are required to submit documentation of CPR certification prior to the beginning of each Fall semester as a clinical compliance requirement to participate in the clinical rotations for Clinical Education.

### **C. The Unit Practical Exam**

A Practical is the process by which a student will perform a radiographic exam on a live subject (not a patient) and simulate the exposure. The performance is evaluated by one of the MIRS Faculty and the score is averaged as part of a Radiography positioning/procedures course grade. Once a student has successfully completed a Practical exam for a particular unit with a minimum competency of 80%, and has been actively observing and assisting the RT(R) in routine positioning of the exam, the student may request to complete the particular exam in question for a competency.

### **D. Competency**

When completing a competency, a student's performance on a radiographic exam and the resulting radiographic image is evaluated and documented by a Registered Technologist using PXDX in the E-Value System.

## GUIDELINES FOR COMPLETION OF A COMPETENCY

1. Competency Evaluations may be completed only after a student has completed the corresponding unit practical.
2. Competency Evaluations must be done on real patients with the exception of those Simulated by Faculty.
3. The student must inform the RT(R) of his/her intention to complete a competency **prior to beginning the procedure**, and the student must perform the entire procedure.
4. If the competency exam is relatively uncommon, the student may BRIEFLY review his/her “Black Book” before beginning the exam (the book is CLOSED after starting). Under NO circumstances is the RT(R) allowed to give hints or tell the student how to perform the exam.
5. It is the student’s responsibility to send the RT(R) a PXDX Competency Evaluation immediately following the exam. The following information is to be completed by the student:
  - a. Patient’s MR Number and General Condition
  - b. Type of Exam and All Projections Performed
  - c. Student’s Name
  - d. Date of Exam and Patient’s DOB (especially for Pediatric Exams)
  - e. Type of Category
6. The PXDX Competency Evaluation must be completed by a registered technologist in radiography RT(R). A successful competency will be indicated by a definite “Yes” response regarding the student’s capability of performing the exam without direct supervision.
7. A student is allowed to phototime the procedure for competency as long as the student can **closely simulate a non-phototimed technique**. Whenever phototiming, the RT(R) should ask the student what NON-phototimed technique would have been appropriate.
8. If a student makes a major error (Category “C” on PXDX Competency), which would mean repeating the image, the RT(R) should correct the mistake before the exposure is made for the benefit of the patient. This error should be noted on the PXDX Competency Evaluation and the student should continue the procedure until is completed. Regardless that the error would mean an unsatisfactory competency, the student is not allowed to quit in the middle of an exam because students need to be able to recover from a mistake and continue.
9. If at any time during the course of the exam, the RT(R) perceives a student action as potentially detrimental to the patient’s welfare, the RT(R) should immediately step in

and assist with the procedure. This should be noted on the Competency Evaluation form.

10. Each semester, the student must successfully complete a specified number of Competency Evaluations as noted on the Clinical Competency Requirements Checklist. Failure to achieve 85% of the required amount by the end of each semester will result in lowering the overall Clinical Education grade by one letter.
11. In order for a student to graduate from the Program, he/she **MUST** have successfully completed all of the competencies required on the Clinical Competency Requirements Checklist. If at the end of the Program, he/she has not completed all of the competency requirements, the student will receive an **Incomplete** in the Clinical Education grade and will be allotted a period of time in which to complete the requirements. The Incomplete grade will automatically become a failing grade if it is not removed within that period, and the student will not officially graduate. A student who has not completed the Program requirements will not be verified to sit for the ARRT examination.
12. In certain circumstances, because of low patient volume for certain procedures, the faculty may elect to allow a student to simulate an exam. In such a situation, simulated competency evaluations may replace the requirement of patient examinations. This will be left to the discretion of the Faculty. Simulated competencies will be completed by students with MIRS Faculty.
13. Other Competency Rules
  - a. If bilateral exams are ordered for a patient, only 1 exam may count for a competency.
  - b. ALL projections performed must be listed on the Competency Evaluation Form in E-value.
  - c. Students **MUST** be **SPECIFIC** and **ACCURATE** in their terminology.
    - e.g. If the CR is angled 10 degrees or more, the term "Axial" must be used.
    - e.g. If an Axial Shoulder is performed, it must be noted whether it was done Inferosuperior or Superoinferior.
    - e.g. If obliques are performed, the exact position must be used: RPO/LPO, RAO/LAO
  - d. **PEDIATRIC** Competencies must include age and DOB on the Competency Evaluation form. The pediatric patient must be in the age range between newborn through 6 years old.
  - e. **GERIATRIC** Competencies must include a description of physical or cognitive impairment as a result of aging.
  - f. For Fluoroscopic Contrast Studies, students must complete the entire exam from start to finish. This includes, but is not limited to, room/tray set-up, assisting with or performing fluoroscopy, and any post-fluoro images. A student may not arrive half-way through the procedure, complete the post-fluoro images, and receive a competency. However, if no post-fluoro images are ordered, but the student has completed the entire exam, the student may still be given the competency.

- g. Both DEXA and CT Scans use a different Competency Evaluation form.

## **E. Post Competency Evaluation**

When completing a post competency, a student's performance on a radiographic exam and the resulting radiographic image is evaluated and documented by a Clinical Instructor, or a member of the MIRS Faculty. The Post Competency Evaluation serves to confirm that students are maintaining clinical skills and continuing to demonstrate clinical competence throughout the Program. The student's performance is evaluated using the [Clinical Competency Evaluation](#). Students CANNOT perform a post competency until all of the mandatory competencies have been completed in the corresponding category.

## **VII. CLINICAL SUPPORT & CLINICAL CONFLICT**

### **SUPPORT**

Clinical Course meetings are conducted by the Clinical Coordinator, and/or other MIRS Faculty at least twice during fall, spring, and summer clinical courses. The purpose of the course meeting time is to review and clarify clinical policies, expectations, and assignments; discuss student clinical experiences; and generally provide support for students related to the clinical environment. The meetings allow common clinical situations to be discussed and possible resolutions to be reviewed and evaluated in a group setting under the guidance of the Clinical Coordinator or Faculty member. The discussions are not intended to point out individuals or specific incidents, but to address common occurrences as identified through Faculty experience.

Students are encouraged to schedule an individual appointment with the Clinical Coordinator, Program Director, or other MIRS Faculty member for support if the need exists to discuss specific and/or sensitive clinical situations where privacy/confidentiality might be a concern.

Clinical support for students is also provided during group and individual advising conferences held at mid-semester each Fall and Spring. At these times, students are offered a copy of their Clinical Education Grade Report which summarizes all of the Clinical Education grade data (see [Sample Semester Grade Report](#)). The students' overall progress is summarized including student strengths and areas recognized as needing improvement. Students complete a self-assessment and identify areas they feel they need additional instruction or clinical assignments. During these conferences and reviews, students are asked to comment on the quality of their clinical education. Students have an opportunity to provide additional feedback and formally assess in writing their Clinical Education Experience following the completion of summer sessions and again following completion of the Program.

An Instructor or Faculty member may hold an impromptu advising session anytime he/she perceives potential clinical problems. Likewise, the student may consult the Instructor or Faculty member if the student feels unsure of his/her progress. Students have the right to review their clinical records upon request.

## **CONFLICT**

If a student feels there is a clinical problem, he/she should attempt to rationally discuss the concern with the supervising RT(R) or other involved persons. If the student still does not feel the problem is resolved, he/she should then discuss the problem with an Instructor or Faculty member. It is the philosophy of the Program to encourage each student to develop and foster good communication skills. Every person, at some time, is faced with the dilemma of approaching a superior, even when the problem centers on that superior. It is important for every student to develop the necessary skills to handle such situations. The Faculty are always willing to assist the student in analyzing the problem and in developing different approaches for resolving the problem. However, only after the student has sincerely attempted to utilize these different approaches, and has exhausted possible solutions, will a Faculty member intervene on the student's behalf.

## **VIII. RT-STUDENT RELATIONSHIP POLICY**

### **A. Purpose**

To outline the RT(R)'s rights and responsibilities in regard to supervising MIRS students and to identify guidelines for completing student checklists, evaluations, and competencies.

### **B. RT(R) Rights**

The RT(R) has a right to:

1. Expect student punctuality to his/her assigned area.
2. Be informed by the student regarding his/her absence.
3. Grant or deny permission to a student requesting to leave the assigned area and to expect a prompt return.
4. Expect courtesy, cooperation, respect and an eagerness to learn from every student whether assigned to them or not.
5. Expect courtesy, cooperation, respect and open communication from every MIRS Faculty member.
6. Communicate any problem, conflict, or suggestion for improvement regarding either the student or the Clinical Program to a Faculty member.
7. Expect a prompt action or response by a Faculty member of MIRS regarding any problem or suggestion.

### **C. Guidelines for Documentation of Student Attendance**

When assigned a student it is the responsibility of the RT(R) to:

1. Assure attendance of the student. If a student is absent, the student will notify the area or RT(R). If the RT(R) has not been notified, it is the responsibility of the RT(R) to call the Clinical Coordinator regarding the student absence.

**ANY FALSIFICATION (OF ANY RECORD) WILL RESULT IN FAILURE OF THE CLINICAL EDUCATION COURSE AND DISCIPLINARY PROCEEDINGS FOR DISMISSAL FROM THE PROGRAM.**

**D. Guidelines for the Supervision of an Assigned student**

When assigned a student, it is the responsibility of the RT(R) to:

1. Allow the student to actively participate as much as possible in procedures within the limitations of the student's knowledge and ability, patient's condition, and time.
2. Directly supervise and assist the student on any procedure that:
  - The student has not yet demonstrated and documented competency
  - The student is not confident in performing alone
  - Involves a patient in poor condition
  - Is an invasive procedure (e.g. IVU), portable procedure, or surgical procedureWith "Direct Supervision," the RT(R) stays in the room with the student, supervising the entire exam.
3. Directly supervise the student during the repeat of any radiograph.
4. Indirectly supervise students for non-invasive routine diagnostic imaging procedures performed in the imaging department for which a student has demonstrated and documented competency. Indirect supervision requires that the RT(R) be within earshot if the student should require assistance. Please refer to the Clinical Supervision Policy for more details regarding direct and indirect supervision.
5. Inform the student when going to Break or Lunch. Students should take their Break/Lunch at these times. If the RT(R) leaves the assigned area to do a procedure in a different area, the student should accompany the RT(R).
6. Restrict non-radiographic duties as much as possible. (e.g. cleaning, stocking, patient transporting, office work, etc.)
7. Encourage students to seek other radiographic work, practice with equipment, complete checklists, etc. when there is a lull in their assigned area.
8. Allow the student to leave the assigned area at the assigned time.

**E. Guidelines for the Delegation of Requisitions**

Before delegating a patient requisition to a student, it is the responsibility of the RT(R) to:

1. Check the Doctor's Order to verify that the correct exam is on requisition.
2. Check with the student to verify he/she has demonstrated competency on the exam requested.
3. Assess the condition of the patient to determine if it contraindicates performance by a student.
4. Assist in the examination if the condition of the patient is questionable or the student is hesitant.
5. **Be present in the room for any radiograph which needs repeating.**
6. Critique and approve all radiographs before the patient is released.

## **F. Guidelines for the Completion of Checklists**

When assigned a student, it is the responsibility of the RT(R) to:

1. Complete checklists when requested by the student and there is a break in patient activity.
2. Initial the blank after the student completes each individual task and sign his/her signature at the end of the checklist. (If the RT(R) observed the student performing one of the checklist tasks during a patient exam, the student does not need to repeat this task again when completing the checklist; the RT(R) may initial the blank.)
3. Report to the Program any changes he/she feels need to be made to update the checklist.

## **G. Guidelines for the Completion of Clinical Assignment Evaluations**

When assigned a student, it is the responsibility of the RT(R) to:

1. Evaluate the student **immediately** after the rotation and whenever possible, discuss the evaluation with the student. A prompt and fair evaluation gives the student the feedback essential for continual clinical progress. The evaluation should be based on the student's level of experience rather than highest standards of proficiency. The RT(R) should also identify the student's clinical strengths and areas for improvement, and note this on the evaluation. The evaluation must be signed by the RT(R). It is the philosophy of the Program to encourage the RT(R) to discuss the completed evaluation with the student to foster good communication and promote honest working relationships.
2. Submit all completed evaluations through the EValue system. A student with an insufficient number of evaluations will be penalized by the lowering of his/her Clinical Education grade.

## **H. Guidelines for the Completion of Competency Evaluations**

If the student approaches the RT(R) requesting to perform a radiographic examination for clinical competency, it is up to the judgment/discretion of the RT(R) whether to allow the student to perform the exam. Patient condition or insufficient time would be acceptable reasons for discouraging a competency attempt. However, the RT(R) should be mindful that each student must complete a minimum number of competencies each semester.

Please refer to the [Clinical Competency Policy](#) for explanations and guidelines for the completion of clinical competency evaluations.

## **I. Clinical Conflicts**

If an RT(R) feels there is a clinical problem, he/she should calmly and rationally discuss the concern with the student. If the RT(R) does not feel the problem is resolved, he/she should confidentially discuss the problem with the Clinical Coordinator or other Faculty member. The problem should also be documented on the weekly Clinical Assignment Evaluation form. If a serious incident has occurred, the Clinical Coordinator needs to be informed

immediately. The Clinical Coordinator may request that the RT(R) document the situation on a [Clinical Incident Report](#). It is important that student problems are not openly discussed with departmental staff or other students.

## IX. PROFESSIONAL CONDUCT POLICY

### A. Professional Misconduct

Students may be failed in any medical imaging course and dismissed from Medical Imaging and Radiologic Sciences for unprofessional conduct that violates the [Academic and Personal Conduct for MIRS Students](#) outlined in the *Regulations and Policies* section of this Handbook or that jeopardizes the health and/or safety of patients, colleagues and/or others. If the student is in a clinical setting at the time that misconduct occurs, the person will be immediately removed from the site. Procedures for dismissal from the Program may be initiated following the appropriate student disciplinary procedures. The student will be suspended from all clinical settings pending the outcome of the disciplinary process.

### B. Disciplinary Action Appeals of

The procedures for imposing misconduct sanctions are designed to provide students with the guarantees of due process and procedural fairness. A student has the right to appeal any decision concerning an alleged act of misconduct. Please refer to the [Disciplinary Action and Appeals Policies and Procedures](#) outlined in the *Regulations and Policies* in this Handbook.

## X. GROOMING AND DRESS

### A. General Guidelines

MIRS requires that all students maintain standards of personal appearance, dress and personal hygiene that create and maintain the best possible standards of infection control, safety, public image and environment for the care of the sick and injured. The public expects the Hospitals, its employees, and its students to be “hospital clean.” All of the elements of a student’s personal appearance, dress and personal hygiene will be regarded as an important aspect of a student’s overall effectiveness and performance.

All students are expected to keep themselves neat, clean, and properly dressed at all times while on duty or on the premises of any clinical site. Failure to maintain the standards outlined in this policy will result in lowering the Clinical Education grade. If a student receives more than two documented occurrences of failure to follow the dress code policy in a given semester, the Clinical Education grade will be lowered by 3% for the semester in which the occurrences are documented.

### B. Scrubs

1. Students are required to wear:
  - a. **BLACK scrub pants and shirts.** (No jeans, knit pants or stirrup pants)

- b. BLACK long sleeved scrub jacket (Optional)
  - c. A plain white long or short sleeved t-shirt may be worn underneath the scrub top
  - d. Surgical scrubs are to be worn only when assigned to a clinical rotation that may require participation in the Operating Room. **Surgical scrubs may not be removed from the clinical facility.**
2. Only those uniforms selected and approved by MIRS may be worn.
  3. All uniforms are to be laundered regularly, neat, in good repair and of appropriate fit. Uniforms are to reveal no bare skin in the trunk region and undergarments are not to be revealed.
  4. Undergarments must be worn and clean.

#### C. Shoes/Footwear

1. Shoes: White or Black, low cut, impermeable shoes in either oxford or athletic style are to be worn (only minimal color accents are allowed). Boots, crocs, canvas shoes, recreational sandals and flip-flops are not permitted. Laces must be tied.
2. Footwear should not create unnecessary noise, should be cleaned and polished, and should be of the non-skid variety.
3. Hosiery/socks are to be worn by all students.

#### D. Hairstyles

Hairstyles are to be conservative and in good taste. Hair must be neatly arranged and kept clean. **Long hair (below shoulders) must be styled above the collar line or tied back. All hair must be styled in a manner so that it is kept off the face.** Beards, mustaches and sideburns are to be kept clean, neat and closely trimmed.

#### E. Cosmetics

The use of cosmetics should be moderate.

#### F. Jewelry

Dangling bracelets, necklaces or earrings are not permitted in patient care areas. Small earrings (no larger than a quarter) in the ear and choker type necklaces are permitted in patient care areas if such items do not present a safety or infection control hazard. No other body piercings are allowed to be worn while in the patient care area. Rings, wedding bands and watches are permitted. Sunglasses are not permitted.

#### G. Buttons, Pins, Other Insignia

1. The Health Care Facility access badge must be worn face forward while on duty at all times unless safety or infection control do not permit. These badges must be kept clean (no stickers or pins may be placed on badges, and nothing may be written on the badge). These badges must be returned to the Clinical Coordinator upon completion of the Program.
2. No pins, lapel buttons or insignia or lettering is permitted to be worn by any student while on duty at any clinical site.
3. Concealment of tattoos is encouraged.

## **H. Personal Hygiene**

1. All students are required to maintain excellent personal hygiene.
2. Body odors, smoke odors and/or strong perfume/cologne are unacceptable.
3. Hands are to be kept clean and shall be washed between each patient.
4. Nails should be well manicured and trimmed to no longer than ¼ inch beyond the finger tip. The use of nail polish is discouraged. If polish is worn, it should be clear or natural.  
**No artificial nails are allowed.**
5. Gum chewing is not permitted while on duty in patient or public areas at any clinical site.

## **I. Identification Badge**

All identification badges must be worn in a visible manner at all times while on the Health Care Facility premises and must be displayed while entering or exiting the facility. If lost, a replacement badge must be ordered by the student for a fee.

## **XI. BREAK/LUNCH POLICY**

- A.** No eating, drinking or chewing gum allowed while on duty in the department, except in designated areas.
- B.** Area supervisor or faculty will designate the time when the student may leave for break or lunch. Students should take their half hour break during the time that their assigned tech goes to lunch.
- C.** Work flow continues through rooms during break and lunch times. Once a case has been initiated, it should be completed prior to taking a break or lunch.
- D.** There is a thirty minute time limit for lunch.
- E.** Lunch is not considered part of a student's clinical time.
- F.** Students may not skip lunch in order to leave clinic early or arrive late.
- G.** Students may not remove unauthorized items from the Food Service areas (including cafeteria); or eat patient food or other Hospital food intended for other purposes.

## **XII. SMOKING POLICY**

No smoking is permitted within 200 feet of the Hospital premises.  
Smoking is not permitted on the IUFW campus.

## **XIII. TELEPHONE, & ELECTRONIC DEVICES POLICY**

### **A. TELEPHONE:**

*Out Going Calls:*

1. Hospital and Clinical Site telephones are to be used for hospital business (E.g. Ordering, inter-hospital communications).
2. All students are urged to make any needed local personal calls during clinical/class breaks.
3. When personal calls are made on Hospital phones, they must be kept to a minimum because they disrupt normal office, department, and hospital business.

*In Coming Calls:*

1. No student will be called away from a patient unless it is an emergency.
2. Anyone calling to request personal information on a student will be denied.

**B. ELECTRONIC DEVICES**

1. Students are not to use cell phones, tablets or computers while on duty in the clinic for purposes outside of clinical duties or documentation.
2. Any observed or reported inappropriate use of cell phones or other electronic devices will result in a 3% reduction of clinical education grade in the semester of the incident.

**XIV. PREGNANCY STATUS**

The United States Nuclear Regulatory Commission (NRC) has identified a radiation limit of 5.0 mSv (0.5 rem) for total fetal exposure. The reason the NRC has established this limit is to protect the embryo/fetus from unnecessary radiation levels that may put the developing baby at risk.

MIRS is committed to working with students who choose to declare a pregnancy while enrolled in the Program. The decision to declare a pregnancy is completely voluntary and the student may revoke in writing the declaration of pregnancy at any time.

The student who elects to declare pregnancy must complete the [Declaration of Pregnancy form](#) and submit the form to the Program Director or Clinical Coordinator. The declaration form data includes an estimation of date of conception and anticipated due date. The form includes a statement indicating that the declared student is aware of the risks of radiation and that dose equivalent limit to the embryo/fetus for each month of pregnancy is 0.5 mSv (5.0 mSv or 0.5 rem for total fetal exposure).

Once a student declares pregnancy, a fetal monitor badge will be supplied to the student and fetal exposure will be monitored throughout the pregnancy or until such time as the student revokes the declaration.

Students who declare pregnancy may elect one of the following Program modifications:

1. The student may elect to complete the Program without any modifications of her clinical and didactic requirements.
2. The student may request from the Faculty Committee an individualized Program for completing Program clinical and didactic requirements during the pregnancy.
3. The student may take a leave of absence (LOA) of one year duration. Such a student will be granted a leave of absence with a place reserved in the following class. Any college work previously completed at that time will be granted credit. The student must complete requirements of didactic courses before proceeding to the next course level.

4. The student may elect an LOA for more than one year duration. In this case, the student must submit another application to the Program, and go through the admission screening process. No place will be reserved in the following class. The need to repeat previously completed professional course work will be reviewed on a case by case basis.

Students who do not disclose a pregnancy are assuming all risks associated with continuing in the Program and progress through the Program will not be modified.

Policy modified March 2011

## **XV. RADIATION SAFETY AND PERSONNEL MONITORING**

It is the position of MIRS that no student will be exposed to ionizing radiation before receiving basic instruction and demonstrating knowledge of the risks, exposure limits, radiation monitoring practices, and radiation safety precautions. During Program Orientation, the MIRS Radiation Safety and Personnel Monitoring Policy along with the Program's Pregnancy Policy are reviewed with students as part of the Student Handbook.

Prior to students beginning clinical rotations, radiation safety topics will be introduced during the course "Orientation to Medical Imaging." Radiation safety topics will be explored throughout the curriculum, and will be covered in great depth in the course "Radiation Biology and Protection in Radiography."

Each student will be given two personnel monitors to be worn during any clinical experience and energized lab activities. (**Monitors are not to be worn in employment situations outside of Program clinical assignments and sites.**) Two personal monitors will be required by MIRS for each enrolled student. The whole body monitor will be worn, facing outward, on the waist under the lead apron. The collar monitor will be worn, facing outward, on the outside of the apron at the collar level.

Monthly radiation reports will be reviewed by the Program Director and/or Clinical Coordinator and the individual student. Monthly reports will be maintained by MIRS. Any quarterly exposure readings greater than or equal to 1.25 mSv will be investigated by the Radiation Safety Office, Program Director and/or Clinical Coordinator. The findings and recommendations will be discussed with the student, documented and placed in both the student's individual file and the Radiation Safety Officer's Report. If found that the student is negligent in the care of his/her personnel monitors, the student will be subject to disciplinary action as outlined in the Academic and Professional Standards and Disciplinary Action section of this handbook.

**In regard to student radiation dose, it is the position of Medical Imaging and Radiologic Sciences that:**

1. The ALARA (As Low As Reasonably Achievable) concept will be emphasized and followed.
2. Current NCRP dose limit guidelines will be adhered to.
3. Wrap around lead aprons of a .5 mm of lead equivalent and a thyroid collar will be worn by any student working in fluoroscopy, portables, surgery, cath lab or interventional.
4. Lead glasses are recommended to be worn whenever a student is assisting with a radiographic procedure.

5. Students are encouraged to stand as far as possible from the source of radiation.

## **XVI. MAGNETIC RESONANCE SAFETY**

Every MIRS student must complete an MRI Safety and Screening Form and will view an MRI safety presentation prior to obtaining access to the Magnetic Resonance Environment. MRI personnel shall be present in the MRI environment at all times when a student is present. MRI personnel are defined as those who have been more extensively trained and educated in the broader aspects of MR safety.

Any student determined to be at risk when exposed to the MRI environment will be exempt from MRI rotations.

## **XVII. INFECTION CONTROL AND STUDENT HEALTH**

Students are required to provide records of immunization prior to beginning the clinical portion of the Program. Students are also required to undergo and submit copies of TB testing and Influenza immunization each year.

MIRS follows the CDC recommended policies for Standard Precautions and Transmission-Based Precautions as well as the Clinical Departmental Policies. All students are provided with this information during Orientation to Medical Imaging and/or Patient Care.

Students enrolled in a program in the health sciences may be exposed to possible injuries and communicable diseases. The Clinical Facilities, MIRS, and the University assume no financial responsibility for illness or injury of students. All students are required to carry their own health insurance and are financially responsible for laboratory and/or x-ray examinations, treatments, and/or medication prescribed by their physician. In addition, costs associated with any incident on campus or at clinical sites shall remain the responsibility of the student.

Students who have a fever or suspect they may have a communicable disease (see list below for examples) should not report to clinic or attend class and should notify the Clinical Coordinator of the required absence. If the illness is deemed communicable and/or more than three consecutive days are missed, a physician's release must be submitted upon return to class/clinic.

### **LIST OF INFECTIOUS DISEASES**

Conjunctivitis, infectious	Meningitis
Cytomegalovirus infection	Mumps
Enteroviral infections	Pertussis
Group A streptococcal disease	Rubella
H1N1	Scabies
Hepatitis, viral	Staphylococcus aureus (skin lesions)
Herpes Simplex	Tuberculosis
HIV	Upper Respiratory infections
Influenza	Herpes Zoster (shingles)
Measles	Varicella (chicken pox)

## XVIII. EXPOSURE INCIDENT POLICY

### Exposure Incident Policy and Procedures for Students

**Exposure incident:** a specific eye, mouth, other mucous membrane, non-intact skin, or parenteral contact with blood or other potentially infectious materials that results from the performance of healthcare professionals (OSHA, 1991).

If a student in any clinical setting has an exposure incident, the following procedures will be followed:

1. The student will notify the clinical instructor and/or faculty member immediately.
2. Make sure proper protocol (required by the clinical agency – hospital, clinic, etc.) is followed and immediate care of the wound or splash is completed. Determine if the individual was able to squeeze blood from the wound. Parkview Occupational Health reports there is no need to do any testing if there was not blood-to-blood contact. Disinfection procedures will be adequate if skin was slightly punctured without blood.
3. The [Bloodborne Pathogens Exposure Incident Form](#) will be completed and signed by both the clinical faculty member (or designated instructor) and the individual who was potentially exposed to a bloodborne pathogen.

Copies will be given to:

- a. IUFW Clinical Coordinator who will keep confidential records. No information on the incident will be kept in the student's academic file or faculty's personal file. All information will remain **confidential**.
  - b. The individual who was injured.
  - c. IUFW Associate Vice Chancellor of Academics and Operations
4. Additionally, any required institutional (hospital, clinic, home care, community setting, etc.) form/report will be completed.
  5. The student will **be advised to be seen by a healthcare provider without delay**.
  6. As soon as possible following the incident, the clinical faculty member needs to verbally report the exposure incident to the lead faculty member, who is responsible for the course.
  7. Ensure that all clinical faculty members have access to the Bloodborne Pathogens Exposure Incident Form on the program website
  8. This policy and procedure will be reviewed annually during the first faculty meeting of the fall semester.

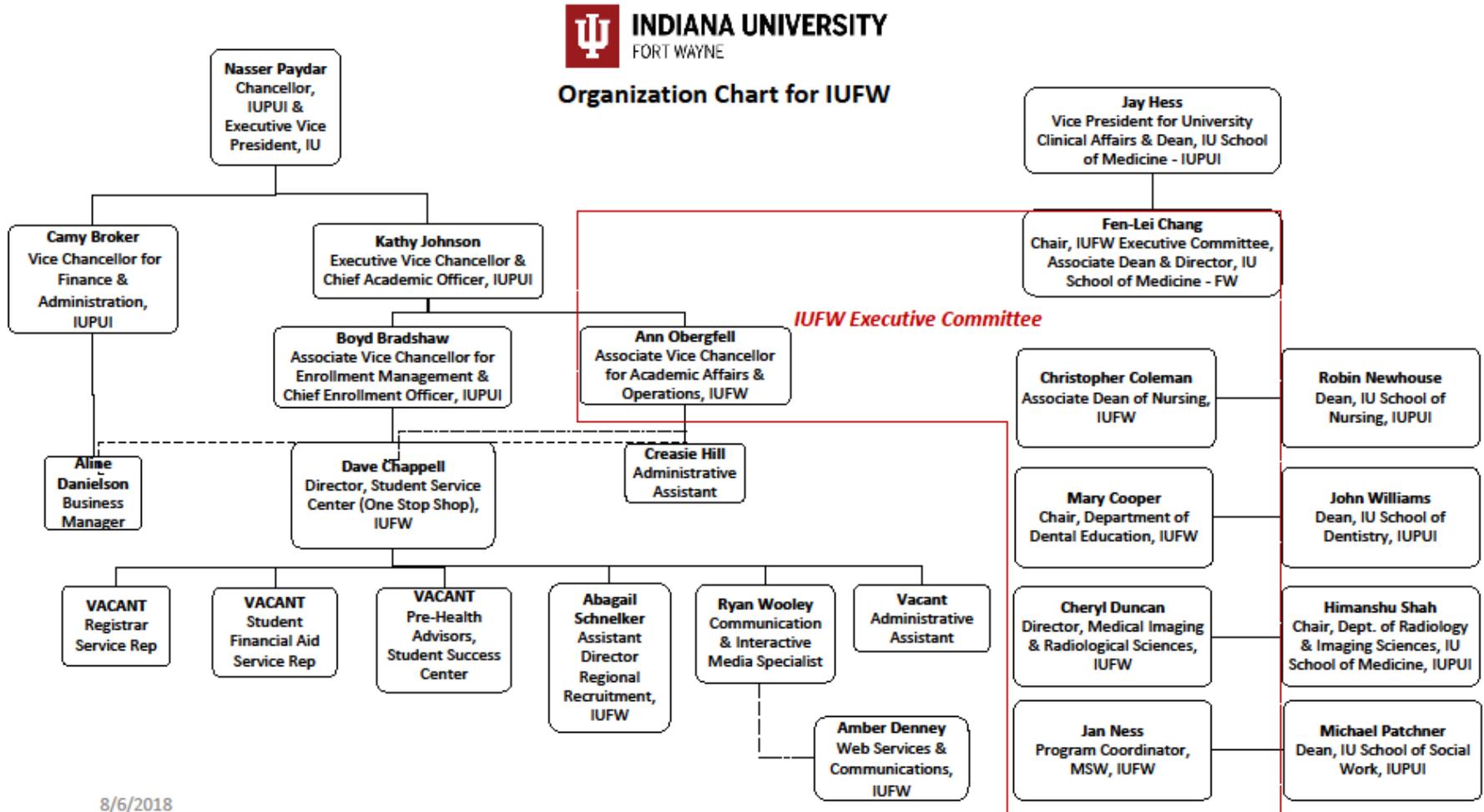
Please see [Bloodborne Pathogens Exposure Incident Form](#).

## **XIX. POLICY ON STUDENT EMPLOYMENT WITHIN THE CLINICAL DEPARTMENT(S)**

Students employed in imaging departments do so on a voluntary basis. When the student is working in this capacity, he/she will be considered an employee of the Department and as such must abide by the rules and regulations of the Department. The student is not permitted to wear the Medical Imaging student uniform or associated insignia while working as an employee. MIRS will not be held responsible for the student's conduct while working. Time spent as an employee cannot be counted as clinical clock hours and must be scheduled outside of both clinical and class time.

# APPENDIX A ORGANIZATIONAL CHARTS

## I. IUFW ORGANIZATIONAL CHART

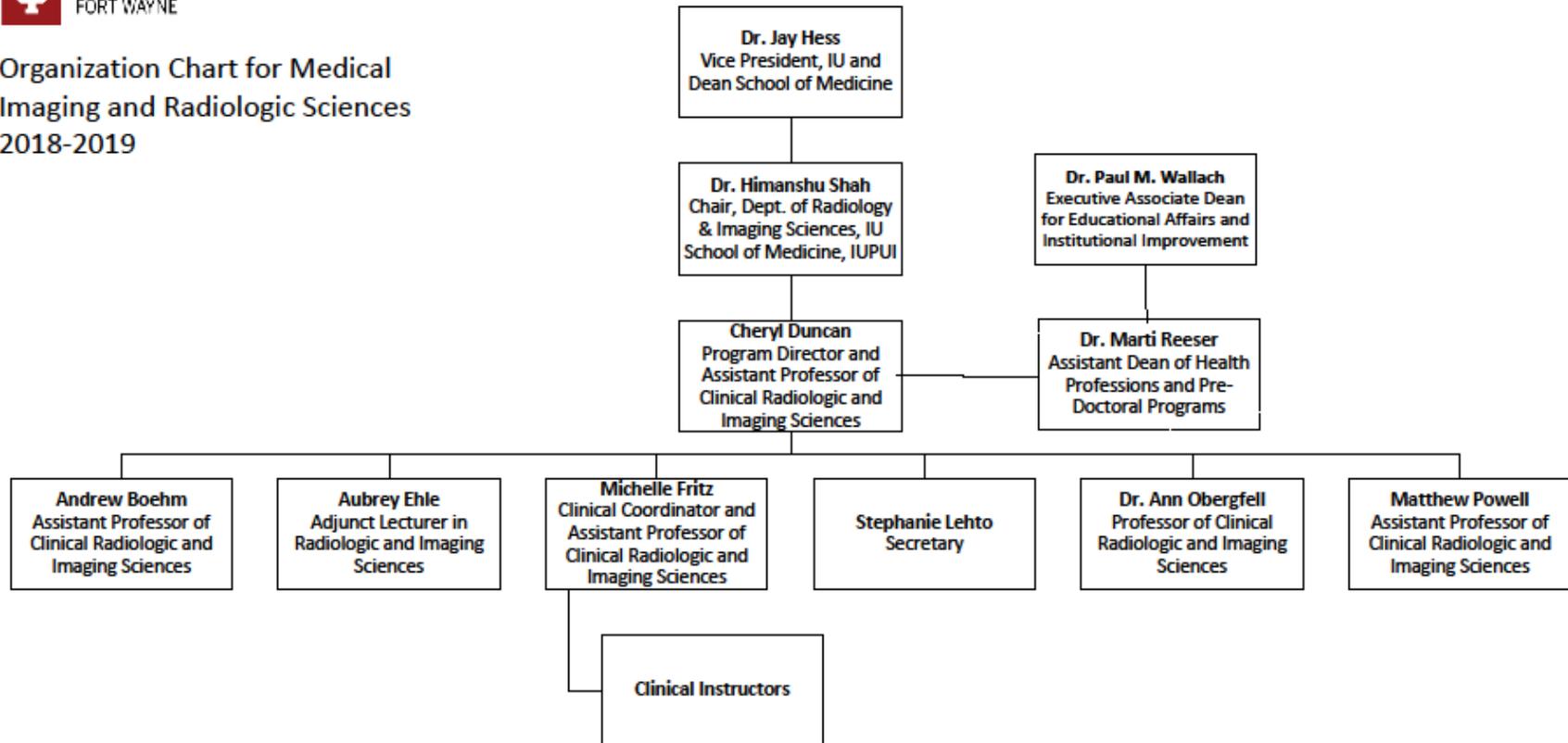


8/6/2018

## II. MEDICAL IMAGING AND RADIOLOGIC SCIENCES ORGANIZATIONAL CHART



Organization Chart for Medical Imaging and Radiologic Sciences  
2018-2019



7/10/18

## APPENDIX B

### ASRT RADIOGRAPHY PRACTICE STANDARDS

The American Society of Radiologic Technologists (ASRT) The Practice Standards for Medical Imaging and Radiation Therapy: Radiography Practice Standards may be found at:

<http://www.asrt.org/main/standards-regulations/practice-standards/asrt-office-of-practice-standards>

## APPENDIX C

### ETHICS

#### I. CODE OF ETHICS

MIRS upholds the **Code of Ethics** adopted by the American Society of Radiologic Technologists (ASRT) and the American Registry of Radiologic Technologists (ARRT). The following segment of the American Registry of Radiologic Technologists (ARRT) Standards of Ethics is reprinted with permission of the ARRT. The complete document may be found at:

<https://www.arrt.org/pdfs/Governing-Documents/Standards-of-Ethics.pdf>

The faculty may evaluate the student's professional conduct related to patients, colleagues, other members of the allied health professions and health care consumers based on these stated codes:

1. The radiologic technologist conducts herself or himself in a professional manner, responds to patient needs and supports colleagues and associates in providing quality patient care.
2. The radiologic technologist acts to advance the principle objective of the profession to provide services to humanity with full respect for the dignity of mankind.
3. The radiologic technologist delivers patient care and service unrestricted by the concerns of personal attributes or the nature of the disease or illness, and without discrimination regardless of sex, race, creed, religion, or socio-economic status.
4. The radiologic technologist practices technology founded upon theoretical knowledge and concepts, utilizes equipment and accessories consistent with the purposes for which it has been designed, and employs procedures and techniques appropriately.
5. The radiologic technologist assesses situations, exercises care, discretion and judgment, assumes responsibility for professional decisions, and acts in the best interest of the patient.
6. The radiologic technologist acts as an agent through observation and communication to obtain pertinent information from the physician to aid in the diagnosis and treatment management of the patient, and recognizes that interpretation and diagnosis are outside the scope of practice for the profession.
7. The radiologic technologist utilizes equipment and accessories, employs techniques and procedures, performs services in accordance with an accepted standard of practice and demonstrates expertise in limiting the radiation exposure to the patient, self and other members of the health care team.

8. The radiologic technologist practices ethical conduct appropriate to the profession, and protects the patient's right to quality radiologic technology care.
9. The radiologic technologist respects confidences entrusted in the course of professional practice, respects the patient's right to privacy, and reveals confidential information only as required by law or to protect the welfare of the individual or the community.
10. The radiologic technologist continually strives to improve knowledge and skills by participating in educational and professional activities, sharing knowledge with colleagues and investigating new and innovative aspects of professional practice.

## **II. ARRT RULES OF ETHICS**

The American Registry of Radiologic Technologists (ARRT) Standards of Ethics may be found at:

<https://www.arrt.org/pdfs/Governing-Documents/Standards-of-Ethics.pdf>

**APPENDIX D**  
**FORMS**

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**IUFW MEDICAL IMAGING AND RADIOLOGIC SCIENCES  
MEDICAL TESTING CONSENT FORM**

**CONSENT TO SUBMIT TO MEDICAL TESTING**

I hereby **consent** to and authorize the disclosure of the results of alcohol and drug testing and physical examination to IUFW Medical Imaging and Radiologic Sciences.

I agree to submit to tests which may include a physical examination and/or blood and urine analysis and realize that such diagnostic tests are for the purpose of detecting the presence of alcohol and/or drugs. I realize such tests are conducted in strict confidence.

\_\_\_\_\_  
**Name (Print)**

\_\_\_\_\_  
**Name (Signature)**

\_\_\_\_\_  
**(Date)**

\_\_\_\_\_  
**Witness (Signature)**

\_\_\_\_\_  
**(Date)**

**IUFW MEDICAL IMAGING AND RADIOLOGIC SCIENCES  
REFUSAL TO SUBMIT TO MEDICAL TESTING**

I **refuse** to submit to any form of testing including a physical examination and/or blood and urine analysis. I have been informed by the Program Director or Clinical Coordinator that such a refusal will result in immediate suspension from clinic and subject to dismissal from the IUFW BSMT degree Program.

\_\_\_\_\_  
**Name (Print)**

\_\_\_\_\_  
**Name (Signature)**

\_\_\_\_\_  
**(Date)**

\_\_\_\_\_  
**Witness (Signature)**

\_\_\_\_\_  
**(Date)**

# Academic Program Concerns

IU Fort Wayne Medical Imaging and Radiologic Sciences is committed to offering high quality academic programs and student-centered services. To ensure that students are treated fairly and have the opportunity to share their concerns about their experience, we have created this online form to file a concern. Students who wish to file a formal concern to the Medical Imaging and Radiologic Sciences department should complete all the required fields and click Submit.

If you encounter any difficulties while completing the form, please call 260-481-0511 for assistance.

Email address\*: \_\_\_\_\_

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

Last 4 digits of student ID#: \_\_\_\_\_

Phone Number: \_\_\_\_\_

## Please indicate type of concern

- Customer Service Concern
- Concern about an instructor
- Concern about an advisor
- Concern about a non-instructional employee
- Concern about a decision for which there is no formal appeal process
- Concern about an administrative process
- Concern about another student
- Concern about a student organization
- Other



# Clinical Assignment Sheet

**MONDAY:**

Rotation	Student	Technologist

**THURSDAY:**

Rotation	Student	Technologist

**TUESDAY:**

Rotation	Student	Technologist

**FRIDAY:**

Rotation	Student	Technologist

**WEDNESDAY:**

Rotation	Student	Technologist

**WEEKENDS:**

Student	Technologist

**IUFW MEDICAL IMAGING AND RADIOLOGIC SCIENCES  
CLINICAL ASSIGNMENT EVALUATION**

		N/A	Almost Always	Usually	Sometimes	Rarely	Never
1.	<b>When reporting to clinic/communicating when leaving area the student:</b> is in assigned area on time, communicates reasons for leaving clinical area, returns in a reasonable time-frame.	0	5	4	3	2	1
2.	<b>The student's personal appearance:</b> maintains IUFW dress code, clean and neat uniform, leather uniform shoes, hair neat and tied back if below shoulders, appropriate personal hygiene, proper identification badge.	0	5	4	3	2	1
3.	<b>The student works as a TEAM member:</b> works collaboratively with institutional staff and/or students, builds and maintains rapport, facilitates shared workload with peers, acknowledges others' skill, experience, creativity, and contributions.	0	5	4	3	2	1
4.	<b>The student is respectful and considerate:</b> demonstrates nonjudgmental attitudes, is considerate of emotional, physical and cultural needs of the patient, treats patients and staff with respect at all times, is professional.	0	5	4	3	2	1
5.	<b>When communicating with personnel outside of imaging the student:</b> communicates politely and assertively, contributes to efficiency of operations and positive patient outcomes, applies engaged listening skills.	0	5	4	3	2	1
6.	<b>When not occupied in assigned clinical area the student:</b> eagerly seeks and initiates additional imaging work or duties.	0	5	4	3	2	1
7.	<b>When faced with familiar tasks and procedures the student:</b> begins some part of the exam, displays confidence in his/her skills.	0	5	4	3	2	1
8.	<b>When faced with unfamiliar procedures, special views, or alternate method the student:</b> is able to critically think through the exam, able to problem solve and implement logical procedural variations.	0	5	4	3	2	1
9.	<b>When assisting with a routine exam the student:</b> attempts to set techniques, is familiar with protocols, works with confidence.	0	5	4	3	2	1
10.	<b>When working with patients the student:</b> explains the procedure, obtains full patient history for all patient populations, communicates with patient throughout the procedure.	0	5	4	3	2	1
11.	<b>The student practices radiation protection for self, patient, and/or others:</b> utilizes ALARA and the Cardinal Rules of Time, Distance and Shielding.	0	5	4	3	2	1
12.	<b>When repeating a radiograph the student:</b> is able to recognize the need for a repeat, explains the needed correction to the RT, correctly puts the changes into action.	0	5	4	3	2	1
13.	<b>Students are supervised by a technologist according to the clinical supervision policy, Please initial.</b>						
14.	Overall Progress	Exceptional 5	Excellent 4	Appropriate 3	Fair 2	Inadequate 1	

PLEASE LIST STUDENT'S STRENGTHS:

PLEASE LIST ANY AREAS FOR IMPROVEMENT:

**IUFW MEDICAL IMAGING AND RADIOLOGIC SCIENCES  
FACULTY CLINICAL ASSESSMENT**

STUDENT NAME: \_\_\_\_\_ student name \_\_\_\_\_

SEMESTER: \_\_\_\_\_ semester \_\_\_\_\_

POINT VALUE:

OUTSTANDING: 9.4 - 10 = A

BELOW ACCEPTABLE STANDARDS: 7.3-7.9

ABOVE ACCEPTABLE STANDARDS: 8.7 - 9.3 = B

INADEQUATE: 7.2 and BELOW

ACCEPTABLE STANDARDS: 8.0 - 8.6 = C

SCORE	ASSESSMENT CATEGORY	COMMENTS
	1. Patient Care and Communication: Treating patient professionally, with respect and meeting physical and emotional needs.	
	2. Radiation Protection: Practices radiation protection to self, patient and others.	
	3. Initiative/ Motivation/ Self-Confidence: Performs needed tasks without being told; Finds work conducive to learning when not busy; Attempts procedures on own; Willing takes advice.	
	4. Punctuality/ Dependability/ Attendance: Arrives to clinical site on time; Does not leave early; Stays with assigned RT.	
	5. Acceptance of Criticism: Recognizes mistakes and corrects problems; Does not utilize excuses.	
	6. Rapport with Staff and Students/ Congeniality: Effectively communicates with peers and staff; Effectively works as a team with RT and peers; Helps peers in clinic.	
	7. Procedure/Principle Skills: Accurately performs procedures; Utilizes correct methods and techniques during imaging procedures.	
	8. Eagerness to Master Skills and Knowledge/ Perseverance: Tries many procedures; Continually tries difficult procedures.	
	9. Appearance: Adheres to the dress code.	
	10. Overall Progress	
<b>0.00</b>	TOTAL %	

\_\_\_\_\_ - \_\_\_\_\_ ORAL WARNING DEDUCTIONS (-5% for each occurrence)

PROGRESS SUMMARY:

ADVISOR SIGNATURE: \_\_\_\_\_

STUDENT SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**IUFW MEDICAL IMAGING AND RADIOLOGIC SCIENCES  
CLINICAL COMPETENCY EVALUATION**

Student: \_\_\_\_\_ Date: \_\_\_\_\_

MRN# \_\_\_\_\_ DOB: \_\_\_\_\_

Exam Type Performed: \_\_\_\_\_

Projections Performed: \_\_\_\_\_

\_\_\_\_\_ COMP \_\_\_\_\_ POST COMP

**A = Acceptable    B = Required Minor Improvement    C = Required Major Improvement**

	A	B	C
1. Age Specific Communication and Care of Patient			
2. Patient Positioning			
3. Image Receptor placement			
4. Central Ray - Transverse and Longitudinal			
5. Central Ray - Angulation, Direction, and SID			
6. Tube / Image Receptor / Part Alignment			
7. Collimation and Radiation Protection			
8. Marker Selection and Placement			
9. Selection of Exposure Factors			
10. Operation of Equipment			

Please use this field to explain any category marked "C":

Do you feel that this student is capable of performing this examination with indirect supervision?    Yes \_\_\_\_\_    No \_\_\_\_\_

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

(Revised 7/16)

**IUFW MEDICAL IMAGING AND RADIOLOGIC SCIENCES  
STUDENT CLINICAL SELF-EVALUATION FORM**

**STUDENT'S NAME:** \_\_\_\_\_ **MID-SEMESTER / SEMESTER:** \_\_\_\_\_

Please indicate how often you performed in the following behaviors in the clinic:

**A = ALMOST ALWAYS, U = USUALLY, S = SOMETIMES, R = RARELY, N = NEVER**

BEHAVIOR CATEGORIES	A	U	S	R	N
1. I treated patients with respect, meeting their physical and emotional needs.					
2. I used therapeutic communication when giving or asking for information from my patients utilizing active listening to respond to their needs.					
3. I practiced radiation protection to myself, patients, and others.					
4. I performed needed tasks without being told.					
5. When not busy, I found radiographic work or practiced procedures.					
6. I attempted procedures on my own and willingly took advice.					
7. I arrived in my assigned area on time and prepared to work.					
8. When an error was pointed out to me, I recognized and corrected my mistake.					
9. My technologist and I communicated well and worked as a team.					
10. I worked with my assigned technologist.					
11. I accurately performed procedures.					
12. I utilized the correct principles in obtaining radiographs.					
13. I attempted many procedures.					
14. When a procedure became difficult, I did not give up.					
15. My appearance is neat, clean, and in dress code.					

**RATE YOUR OVERALL PROGRESS (CIRCLE):**

**OUTSTANDING      5   4   3   2   1    NEEDS IMPROVEMENT**

**Goals for next time:**

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Sample Clinical Competency Requirements Checklist

Student Name: \_\_\_\_\_

UPPER EXTREMITY MANDATORY - 13				DATE	s/p	PEDIATRICS (0-6 YRS OLD) MANDATORY- 2				AGE	DATE	s/p
A10	DIGIT: FINGER/THUMB (3 PROJECTIONS)					H10	CHEST ROUTINE (2 PROJECTIONS)					
A11	HAND (3 PROJECTIONS)					H11	CHEST (PIGGOSTAT) (2 PROJECTIONS)					
A11	HAND (3 PROJECTIONS)					<b>MOBILE MANDATORY - 6</b>					DATE	s/p
A12	WRIST (3 PROJECTIONS)					I10	MOBILE AP CHEST					
A12	WRIST (3 PROJECTIONS)					I11	MOBILE AP CHEST (ICU)					
A13	FOREARM (2 PROJECTIONS)					I12	MOBILE AP ABDOMEN					
A14	ELBOW (3 PROJECTIONS: AP, LAT, AXIOLAT)					I13	*TRAUMA EXAM					
A14	ELBOW (3 PROJECTIONS: AP, LAT, AXIOLAT)					I14	ORTHOPEDIC EXAM					
A15	HUMERUS (2 PROJECTIONS)					I14	ORTHOPEDIC EXAM					
A16	CLAVICLE (2 PROJECTIONS)					<b>SURGERY AND C-ARM MANDATORY - 8</b>					DATE	s/p
A17	SHOULDER (TRAUMA OR NON TRAUMA)					J10	C-ARM PROCEDURE (REQUIRING MANIPULATION TO OBTAIN MORE THAN ONE PROJECTION)					
A18	*TRAUMA SHOULDER (MUST INCLUDE ONE: SCAPULA Y, TRANSTHORACIC, OR AXIAL)					J10	C-ARM PROCEDURE (REQUIRING MANIPULATION TO OBTAIN MORE THAN ONE PROJECTION)					
A19	*TRAUMA: UPPER EXTREMITY (NON SHOULDER)					J11	C-ARM HIP/IM FEMUR ROD-STERILE					
<b>LOWER EXTREMITY MANDATORY - 9</b>				DATE	s/p	J11	C-ARM HIP/IM FEMUR ROD-STERILE					
B10	FOOT (3 PROJECTIONS)					J11	C-ARM HIP/IM FEMUR ROD-STERILE					
B10	FOOT (3 PROJECTIONS)					J12	C-ARM PROCEDURE (REQUIRING MANIPULATION AROUND A STERILE FIELD)					
B11	ANKLE (3 PROJECTIONS)					J12	C-ARM PROCEDURE (REQUIRING MANIPULATION AROUND A STERILE FIELD)					
B11	ANKLE (3 PROJECTIONS)					J13	SURGICAL SPINE PROCEDURE					
B12	KNEE					J13	SURGICAL SPINE PROCEDURE					
B12	KNEE					<b>POST COMPETENCY MANDATORY - 10</b>					DATE	s/p
B13	LOWER LEG					Exams are to be completed during the 2nd and 3rd year of the program with a instructor or faculty member. Mandatory competencies in corresponding categories must first be completed.						
B14	FEMUR (4 PROJECTIONS)					K10	THORAX OR ABDOMEN					
B15	*TRAUMA:LOWER EXTREMITY (NON-HIP)					K11	ACUTE ABDOMEN SERIES					
<b>THORAX &amp; ABDOMEN MANDATORY - 5</b>				DATE	s/p	K12	UPPER EXTREMITY					
C10	CHEST-AMBULATORY (2 PROJECTIONS)					K13	LOWER EXTREMITY					
C11	CHEST-AP (WHEELCHAIR OR STRECHER)					K14	SPINE					
C12	KUB (AP ABDOMEN SUPINE)					K15	PELVIS/HIP					
C13	AP UPRIGHT ABDOMEN					K16	C-ARM PROCEDURE					
C14	RIBS-UNILATERAL OR BILATERAL					K17	MOBILE					
<b>SPINE/PELVIS MANDATORY - 9</b>				DATE	s/p	K18	PEDIATRIC					
D10	CERVICAL SPINE (5 PROJECTIONS)					K19	CONTRAST					
D10	CERVICAL SPINE (5 PROJECTIONS)											
D11	*TRAUMA CERVICAL SPINE (CROSS-TABLE LATERAL)											
D12	THORACIC SPINE											
D13	LUMBAR SPINE (5 PROJECTIONS)											
D13	LUMBAR SPINE											
D14	PELVIS											
D15	HIP											
D16	CROSSTABLE - AXIOLATERAL HIP											
<b>CONTRAST MEDIA MANDATORY - 3</b>				DATE	s/p							
E10	UPPER GI SERIES (UGI)											
E11	BARIUM ENEMA (ACC OR FILL COLON)											
E12	IVU											
<b>GERIATRIC MANDATORY - 3 – Physically Or Cognitively Impaired as a result of aging</b>				DATE	s/p							
F10	CHEST ROUTINE											
F11	UPPER EXTREMITY											
F12	LOWER EXTREMITY											

\* Trauma is considered a serious injury or shock to the body and requires modification in positioning and monitoring of the patient's condition

Sample Clinical Competency Requirements Checklist

Student Name: \_\_\_\_\_

UPPER EXTREMITY ELECTIVE		DATE	s/p
L10	SCAPULA		
L11	AC JOINTS		
LOWER EXTREMITY ELECTIVE – AT LEAST 1		DATE	s/p
M10	DIGITS (TOES) (3 PROJECTIONS)		
M11	CALCANEUS (2 PROJECTIONS)		
M12	BILATERAL STANDING KNEES		
M13	PATELLA		
THORAX & ABDOMEN ELECTIVE – AT LEAST 2		DATE	s/p
<i>Choose one of the following:</i>			
N10	DECUBITUS CHEST		
N11	DECUBITUS ABDOMEN		
<i>Choose one of the following:</i>			
N12	STERNUM		
N13	UPPER AIRWAY (SOFT TISSUE NECK)		
N14	SC JOINTS		
VERTEBRAL COLUMN ELECTIVE – AT LEAST 1		DATE	s/p
O10	SACRUM AND/OR COCCYX		
O11	SCOLIOSIS SERIES		
O12	SACROILIAC JOINTS		
CONTRAST MEDIA ELECTIVE – AT LEAST 3 *ONE must be Myelography or Arthrography		DATE	s/p
P10	SMALL BOWEL ONLY SERIES		
P11	ESOPHAGUS		
P12	CYSTOGRAPHY/CYSTOURETHROGRAPHY/VCG		
P13	ERCP		
P14	MYELOGRAPHY		
P15	ARTHROGRAPHY		
HEAD ELECTIVE – CHOOSE 3		DATE	s/p
Q10	SKULL		
Q11	PARANASAL SINUSES		
Q12	FACIAL BONES		
Q13	ORBITS / ORBITS FOR MRI		
Q14	ZYGOMATIC ARCHES		
Q15	NASAL BONES		
Q16	MANDIBLE / TMJ		

PEDIATRICS (0-6 YRS OLD) ELECTIVE - CHOOSE 3		AGE	DATE	s/p
R10	UPPER EXTREMITY			
R11	LOWER EXTREMITY			
R12	ABDOMEN			
R13	SPINE/HEAD			
R14	CONTRAST STUDY			
R15	MOBILE STUDY			

PATIENT CARE SKILLS		Completed By	DATE
CPR – Year 1			
CPR - Year 2			
VITAL SIGNS – Blood Pressure			
VITAL SIGNS – Temperature			
VITAL SIGNS – Pulse			
VITAL SIGNS – Respiration			
VITAL SIGNS – Pulse Oximetry			
CARE OF MEDICAL EQUIPMENT (e.g., Oxygen tank, IV tubing)		Checklist	
STERILE & MEDICAL ASEPTIC TECHNIQUE			
PATIENT TRANSFER			
S19	VENIPUNCTURE 1		
S19	VENIPUNCTURE 2		

COMPETENCY: Requirements Per Semester			ACTUAL COMPLETED PER SEMESTER	
	Mandatory	Elective	Mandatory	Elective
1 <sup>st</sup> YEAR SPRING:	5	0		
1ST YEAR SUMMER	15	2		
2ND YEAR FALL	30	5		
2 <sup>ND</sup> YEAR SPRING	50	8		
2ND YEAR SUMMER	60	10		
3RD YEAR FALL	65	12		
3RD YEAR SPRING	68	14		

\* Trauma is considered a serious injury or shock to the body. Modifications may include variations in positioning, minimal movement of the body part, etc.

FIRST YEAR - SPRING SEMESTER  
END-OF-SEMESTER GRADE  
REPORT

NAME OF STUDENT: TEMPLATE Semester: SPRING

I. INTRO TO CLINICAL EDUCATION

A. CLINICAL ASSIGNMENT EVALUATION AVERAGE:

**CLINICAL ASSIGNMENT EVALUATION**

Average: \_\_\_\_\_ = 0.000

Conversion: 0.00%

B. INTRO TO CLINICAL EDUCATION GRADE CRITERIA:

- a. 60% Class Assignments \_\_\_\_\_
- b. 20% based on Clinical Assign. Evals: \_\_\_\_\_
- c. 20% Faculty Assessment: \_\_\_\_\_ TOTAL: 0.00%

C. OTHER REQUIREMENTS:

a. Number of Clinical: 

Days Missed:		Tardy count:	
--------------	--	--------------	--

  
(>2 days missed or >3 tardies, overall grade lowered by one letter grade)

b. Number of Competency Evals. Completed: 

M:		E:	
----	--	----	--

  
(# Needed: 5 M, 0 E, if less than 85% of total (< 4), overall grade lowered by one letter grade)

c. Number of Clinical Evals. Submitted: 0  
(# Needed: 15, if less than 75% of total (< 11), overall grade lowered by one letter grade)

d. Program Violations: \_\_\_\_\_  
(If given a Written Warning, overall grade is lowered by one letter grade)

II. DIDACTIC COURSE GRADES:

A. Radiography II (3 cr) \_\_\_\_\_

B. Medical Imaging Modalities (3 cr) \_\_\_\_\_

C. Intro to Clinical Education (3 cr) \_\_\_\_\_

D. Image Acquisition (3 cr) \_\_\_\_\_

Gen Ed course grade \_\_\_\_\_

General Education Category Still Needed: \_\_\_\_\_

**COMMENTS:**

FACULTY SIGNATURE: \_\_\_\_\_

STUDENT SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_



**IUFW MEDICAL IMAGING AND RADIOLOGIC SCIENCES  
STUDENT-FACULTY CONFERENCE ON CLINICAL INCIDENT REPORT**

TO BE COMPLETED BY THE STUDENT:

1. Explain three ways your behavior or actions may have influenced or contributed to the incident.

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_
- d. \_\_\_\_\_

2. List 5 goals that will help modify your behavior in the future.

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_
- d. \_\_\_\_\_
- e. \_\_\_\_\_

STUDENT SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

FACULTY COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

FACULTY SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

FACULTY SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

FACULTY SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**Indiana University Fort Wayne**  
**Medical Imaging and Radiologic Sciences**  
**STUDENT TECHNOLOGIST**  
**Declaration of Pregnancy**

I, \_\_\_\_\_, voluntarily declare by means of this written notice to Medical Imaging and Radiologic Sciences that I am pregnant; the estimated date of conception is \_\_\_\_\_ and anticipated due date \_\_\_\_\_.

I am aware of the radiation risks associated with radiation exposure and understand the monthly dose equivalent to the embryo/fetus is 0.5 mSv. I will receive a fetal radiation monitoring badge to record any exposure accrued during the pregnancy and agree to wear it as prescribed.

I have received a copy of NRC regulatory guide 8.13 Instruction Concerning Prenatal Exposure.

I will work with Program faculty to determine which option for Program modification, outlined in the Program pregnancy policy, I will elect to follow during the pregnancy.

I understand that my education as a student technologist may put me at risk of exposure to radiation and therefore agree to hold harmless the University, Medical Imaging and Radiologic Sciences, or any clinical affiliate for any defects and/or injury that may result from exposure to Radiation during the educational Program. I understand it is my responsibility to comply with all radiation safety rules established by the Program and the clinical affiliates in order to keep radiation exposure to myself and my unborn child at a minimum.

I understand that I have the right to revoke this declaration at any time during the pregnancy and that the revocation must be in writing.

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

Witness: \_\_\_\_\_ Date: \_\_\_\_\_

Program Director: \_\_\_\_\_ Date: \_\_\_\_\_

**Indiana University Fort Wayne**  
**MEDICAL IMAGING AND RADIOLOGIC SCIENCES**  
***Bloodborne Pathogens Exposure Incident Form***

In the event of an exposure incident, this form must be completed. This form is intended to evaluate the control methods used to prevent employee/student exposure.

Name of Person Exposed \_\_\_\_\_ Incident Date \_\_\_\_\_

Location of Incident \_\_\_\_\_ Incident Time \_\_\_\_\_

Exposure Type (please check):

sharps injury \_\_\_\_\_

needle stick \_\_\_\_\_

splash to mucous membranes \_\_\_\_\_

broken skin contact \_\_\_\_\_

Other \_\_\_\_\_

Identification of Potentially Infectious Material(s): \_\_\_\_\_

Description of Incident: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Witnesses to Incident: \_\_\_\_\_

Describe engineering and work practice controls in use: \_\_\_\_\_

Describe protective equipment in use: \_\_\_\_\_

What is responsible for the failure of these controls? \_\_\_\_\_

What changes need to be made to prevent reoccurrence? \_\_\_\_\_

Has the exposed individual been advised to seek medical attention? \_\_\_\_\_

Report prepared by \_\_\_\_\_ Position \_\_\_\_\_

Exposed individual's signature to indicate concurrence with report \_\_\_\_\_

**Copies to:**

Program Representative

Exposed Individual

IUFW Associate Vice Chancellor of Academics and Operations