

# Valencia College

Department of Allied Health Sciences  
Radiologic & Imaging Sciences - BS program

## Magnetic Resonance Imaging Practicum

RTE 4943L – 23458, spring 2018 (Course Credit: 3)

Room, Class Time: Assigned time at Clinical site

### Instructor

**Mukesh George M.A, R.T.(R)(CT)(MR)**

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Office Hours : By appointment

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Mon, Thu, Fri – 10 to 12 pm | Tues, Wed – 1 to 3 pm

### Prerequisites:

A minimum grade of C in specified concentration coursework:

Magnetic Resonance Imaging I – RTE 3591; and  
Anatomy for the Medical Imager - RTE 3765

### Core requisites:

Magnetic Resonance Imaging II – RTE 3592

### Learning Outcomes:

Students will:

1. Perform effective communication skills within the healthcare environment.
2. Practice professional behaviors in the healthcare setting.
3. Perform advanced level skills as described by the scope of practice for a selected clinical concentration (CT, MRI, or Mammography).
4. Execute safe clinical decision making in medical imaging.



### Course Description

This course provides for a clinical rotation to achieve clinical experience in performing and documenting magnetic resonance imaging procedures toward compliance with the American Registry of Radiologic Technologists eligibility requirements.

### Important Dates:

Classes Begin: January: 8<sup>th</sup>

Drop/refund deadline: Jan 16

Withdrawal deadline: Mar 30

Final exam: Week of Apr 23<sup>rd</sup>

### Holidays:

Jan 15<sup>th</sup> (MLK Day)

Mar 12- 18 (Spring Break)

## General Course Information

### Valencia Student Core Competencies

Valencia faculty have defined four interrelated competencies (Think, Value, Communicate, and Act) that prepare students to succeed in the world community. These competencies are outlined in the College Catalog and include:

1. Think- think clearly, and creatively, analyze, synthesize, integrate and evaluate in the many domains of human inquiry
2. Value- make reasoned judgments and responsible commitments
3. Communicate- communicate with different audiences using varied means
4. Act- act purposefully, effectively and responsibly.

In this course, through lecture and discussion, group work, and other learning activities, you will further develop your mastery of those competencies.

### Required Textbooks and Study materials

Course materials, schedules and forms are all available through the Blackboard course established for this class. Students must log into Blackboard on a regular basis to complete journal entries, access appropriate forms and to communicate with the instructor.

Those students who are interested in working toward eligibility to take the ARRT certification exam can find the eligibility requirements at this web address:

<https://www.arrt.org/Certification/Magnetic-Resonance-Imaging>

Completion of this practicum course does not guarantee completion of ALL requirements needed to be eligible for the ARRT certification exam.



### Working in MRI

Magnetic Resonance Imaging (MRI) procedures play an important role in diagnosing diseases and injuries. Although a radiologist reviews MRI results, as a technologist you're responsible for obtaining the best images possible. Your patients might be in pain or distress, or they might feel claustrophobic. You'll provide support while talking patients through the procedure and letting them know what to expect.

As an MRI technologist, you'll work with radiologists to play an important role on the patient's medical team. MRI is a rewarding field, and you'll learn and grow as technology advances.



## College Resources and Policies

### Student Resources

Valencia College is interested in making sure all our students have a rewarding and successful college experience. To that purpose, Valencia students can get immediate help with issues dealing with stress, anxiety, depression, adjustment difficulties, substance abuse, time management as well as relationship problems dealing with school, home or work. Some very helpful resources for dealing with a wide range of stressful issues can be accessed here <https://valencia.personaladvantage.com/>

Bay Care Behavioral Health Student Assistance Program (SAP) services are free to all Valencia students and available 24 hours a day by calling (800) 878-5470. Free face-to-face counseling is also available.

### Children on Campus

We ask that you follow college policy relating to children on campus. Please make arrangements for childcare outside of classrooms, labs or clinical sites.

### Audible Alarms

Please make note of evacuation route from you classroom (clinical site) in case of emergency. Interpret all audible alarms as valid and act accordingly

### Electronic equipment / Cell Phone Use:

Recording devices in any form are NOT allowed at the clinical site. Unauthorized use of any electronic equipment (including Cell phones, iPod, iPad, tablets, Laptops or any multimedia devices) is prohibited.

### Dress Code

Students are required to appear professionally dressed and groomed whenever they are in attendance at a clinical site. Solid colored scrubs of any color may be worn unless the facility has a preferred style. All dress code policies of the facility must be followed

### Expected Student Conduct:

Valencia College is dedicated not only to the advancement of knowledge and learning but is concerned with the development of responsible personal and social conduct. By enrolling at Valencia College, a student assumes the responsibility for becoming familiar with and abiding by the general rules of conduct. The primary responsibility for managing the classroom environment rests with the faculty. Students who engage in any prohibited or unlawful acts that result in disruption of a class may be directed by the faculty to leave the class. Violation of any classroom or Valencia rules may lead to disciplinary action up to and including expulsion from Valencia. Disciplinary action could include being withdrawn from class, disciplinary warning, probation, suspension, expulsion, or other appropriate and authorized actions. You will find the Student Code of Conduct in the current Valencia Student Handbook.



## Students with Disabilities:

Students with disabilities who qualify for academic accommodations must provide a Notification to Instructor (NTI) form from the Office for Students with Disabilities (OSD) and discuss specific needs with the instructor, preferably during the first two weeks of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities. The West Campus Office is located in the Student Services Building (SSB), Room 102.

You can contact them by

Phone: [407-582-1523](tel:407-582-1523);

Fax : [407-582-1326](tel:407-582-1326);

TTY : [407-582-1222](tel:407-582-1222)

## Course Policies

### Attendance:

Clinical practicum must be completed within a single semester and includes a total of 240 hours. During a normal 15 week semester, that would be 16 hours per week and during the summer term (12 weeks), 20 hours/week. The minimum requirement is 12 hours per week. According to Valencia policy, students who are not actively participating in an online class must be withdrawn by the instructor at the end of the first week. **Since this is a practicum course, if you do not attend class during the first week, you may be withdrawn from the class as a "no show".** In this event you will be billed for the class and a "W" will appear on your transcript for the course

Specific days and times may be scheduled based on the student's availability with the approval of the clinical site; however, the student should be careful to consider patient volume and the availability of a variety of procedures when setting his or her weekly schedule.

Once the clinical schedule has been approved by the facility, any changes must be coordinated with the facility and the college. For reasons of accountability, liability, and responsibility the college must be aware of all times when students are present in clinical areas.

**Only one (1) attempt at a clinical practicum course is allowed. Students who fail the practicum or withdraw due to poor performance will not be permitted to repeat the course.**

### Time sheet

Students are to be signed in when they arrive and out when they leave by the Valencia designated Clinical Supervisor (clinical site employee) or floor supervisor.

### Absences

In the event of illness or any complication that may prevent you from attending your clinical assignment, YOU MUST complete the following BEFORE your expected arrival time:

1. Call your Clinical Supervisor at the clinical facility
2. Notify the Practicum Coordinator (Valencia faculty)

### Make-up time

Make-up time is not required however, if you desire to make up missed time, you must coordinate the scheduling with the facility and notify the college for liability purposes.



## Course Withdrawal

### Withdrawal policy:

If withdrawn by the instructor, your transcript will reflect a W (Withdrawn) and this will count as one attempt for this course. If you have decided not to complete this course, it is better for you to drop the course yourself during the drop/refund period to avoid negative consequences. **The clinical practicum course cannot be repeated unless approved by the Program Chair and the Dean of Allied Health.** Last day of withdrawal (with a letter grade 'W') is listed in page 1. After the deadline, all grades will remain the same as current course grades. No exceptions are made.

### Withdrawal attempts

During a first or second attempt in the same course at Valencia, if you withdraw, or are withdrawn by the professor, you will receive a W (Withdrawn). You will not receive credit for the course, and the W will not be calculated in your grade point average; however, the enrollment will count in your total attempts in the specific course.

## Rules and Regulations

### Academic Integrity:

I will assume that as healthcare professionals you will adhere to and will maintain the highest standards of academic integrity and professional and ethical conduct. I expect you to submit only your own original work and not cheat by giving answers to others or taking them from anyone else. **Ethics violations will be reported to the ARRT and the Florida Department of Health for investigation.**

Unless otherwise stated, all assignments, quizzes and exams are to be completed individually by each student enrolled. You may not communicate with other students during completion of a quiz or examination. Working with other students, giving or receiving assistance during quizzes or exams is a form of academic dishonesty and will be considered cheating. **Copying or printing of any quiz or test questions (for any purpose) is expressly prohibited and also considered cheating.**

Plagiarism and Cheating of any kind on an examination, quiz, or assignment will result in at least an "F" for that assignment (and may, depending on the severity of the case, lead to an "F" for the entire course); and may be subject to appropriate sanctions according to the Student Code of Conduct in the current Valencia Student Handbook.

### Clinical Education Center Rules and Regulations

In order to maintain high standards of patient care, the Program has established the following rules of conduct in conjunction with the general hospital rules and regulations:

1. STUDENTS ARE SUBJECT TO ALL RULES AND REGULATIONS OF THE CLINICAL EDUCATION CENTER.
2. All patients with whom the student comes in contact will be treated with respect, dignity, and with careful attention given to patient modesty. Treat every patient as if you were the one being imaged. All hospital records and patient records are confidential in nature. Students are expected to maintain confidentiality in a professional manner.
3. A student should never leave a patient unattended. Please note hospital policy for safe practices in patient supervision.
4. Problems - Recognizing that the college and clinical affiliates conduct a joint effort in the education of students, any problem which may arise within the hospital area, should first be discussed with hospital officials (clinical supervisor) before involving the college faculty (clinical coordinators, program director) in the discussion.
5. Report any accident or incident to your clinical supervisor immediately and complete the necessary paperwork.
6. Students will, at all times, present themselves as professionals in the clinical education centers.
7. Students are to be in the clinical area only when they are scheduled to be there.
8. Possession of firearms or explosives, possession or consumption of alcoholic beverages, marijuana or un-prescribed narcotics on clinical site property will result in dismissal.
9. Insubordination to any superior could result in dismissal.
10. Conviction of a felony results in dismissal



### Late submission

Journals are due before midnight (11:59 p.m.) on the last day of the week. Any assignments turned in after this time will be subject to a late penalty of 20 %. No credit will be given for assignments submitted more than 24 hours late.

*"Excellence is never an accident. It is always the result of high intention, sincere effort, and intelligent execution; it represents the wise choice of many alternatives – choice, not chance, determines your destiny."*

— Aristotle

A minimum grade of C is required to earn credit for all BS level program courses.

<b>A</b>	93 - 100%
<b>B</b>	85 - 92%
<b>C</b>	76 - 84%
<b>D</b>	69 - 75%
<b>F</b>	Below 69%

<b>Assessments</b>	<b>%</b>
Journal Entries	15%
Competencies	30%
Evaluations	20 %
Procedure Log	20%
Attendance Log	15%

<b>Assessments</b>	<b>Completion</b>
<p><b>Journal Entries:</b> Journal entries are used as self-assessment tool as well as a communication tool and is vital for this course. Students are required to submit one journal entry each week through Blackboard, and respond to any feedback or questions posed by the instructor</p>	<p>Submit one journal entry each week, and respond to any feedback or questions posed by the instructor through "Journal entry" page. <b>Journal entries are due every week by Sunday midnight.</b> Entries turned in after this time will be subject to a late penalty of 20 %. No credit will be given for assignments submitted more than 24 hours late. Students are only required to submit journal entries on clinical weeks.</p>
<p><b>Competency Tests:</b> A total of seven competencies must be performed:</p> <ul style="list-style-type: none"> <li>• Brain</li> <li>• MRA</li> <li>• Spine</li> <li>• Abdomen</li> <li>• Pelvis</li> <li>• Upper Extremity (1)</li> <li>• Lower Extremity (1)</li> </ul>	<p>Download competency form from "Documents &amp; forms" page, complete and turn in to the faculty through blackboard, <b>once done with the competency.</b></p> <p>Submit it through "Document submission" page</p>
<p><b>Midterm and Final Evaluations:</b> The students will be evaluated once at midterm and again at the end of the semester. The student must print the evaluation form and provide it to the supervising technologist. Once it is completed, the student must submit it along with other documentation to the clinical coordinator.</p>	<p>Download evaluation form from "Documents &amp; forms" page, complete and turn in to the faculty through blackboard, <b>once done with the evaluations.</b></p> <p>Submit it through "Document submission" page</p>
<p><b>Procedure Logs:</b> Student must maintain a log of all procedures observed and performed.</p>	<p>Log procedures routinely. Download this from "Documents &amp; forms" page, complete and turn in to the faculty through blackboard at the <b>end of the semester / practicum.</b> Submit it through "Document submission" page</p>
<p><b>Attendance Sheet</b> Students are expected to fulfill all scheduled days unless prevented by illness or unforeseen circumstances. Participation includes actively performing patient care and scanning procedures as well as submitting journal entries as scheduled. Students who are not demonstrating appropriate participation may be withdrawn by the instructor.</p>	<p>Log Clinical hours routinely. Download this from "Documents &amp; forms" page, complete and turn in to the faculty through blackboard at the <b>end of the semester / practicum.</b> Submit it through "Document submission" page</p>
<p><b>Site Evaluations</b> Each student must complete the Site Evaluation survey prior to completing the practicum course. The results of this survey are anonymous and will be used to provide general feedback regarding the clinical experiences so that we can improve the quality of this component of the program.</p>	<p>The link to this survey is found in the left menu bar in the Bb course for the clinical practicum. Complete and turn in to the faculty through blackboard at the <b>end of the semester / practicum.</b></p>
<p><b>Note: If you have questions or concerns email the Instructor</b></p>	<p>Grade percentages for each categories are provided above</p>

**Disclaimer:**

The syllabus and course schedule may be changed at the discretion of the professor.