

## Course Description

This three-day post-processing course teaches the fundamentals of Vitrea advanced visualization software. Participants receive training on a variety of applications and disciplines within the software.

Each student will utilize their own workstation in a classroom setting with lecture, exam assessments and hands-on training. The course will consist of education covering 2-D imaging including multi-planar reformatting (MPR) and maximum intensity projection (MIP). 3D volumetric studies including cardiac, multi-phase imaging, lung analysis, vessel analysis, brain perfusion, virtual colonoscopy and endovascular stent planning will be reviewed. The student will perform exam specific assessment reviews and have relevant case studies to work with.

## Intended Audience

This course is open to all Radiologic Technologists, Radiologists, Cardiologists and Physicians working in a CT or MR discipline. It is ideal for new and experienced users.

## Goals and Objectives

After completing this course, the participant should be able to:

1. Describe volumetric imaging concepts.
2. Perform orthopedic imaging workflows.
3. Identify and interrogate cardiac, peripheral, and other vascular anatomy.
4. Describe multi-planar reformatting techniques.
5. Discuss basic patient prep for CTA exams.
6. Demonstrate workflow for volumetric imaging and reporting.
7. Demonstrate proficiency of CTA concepts.
8. Discuss image reporting and distribution techniques.
9. Demonstrate patient confidentiality techniques including HIPAA compliance.
10. Perform neurological post processing techniques such as brain perfusion.

## Accreditation

The American Society of Radiologic Technologists (ASRT) has approved this 3-day course for 11.0 CE Credits. CME credits are not associated with this course.

## Faculty

The course is taught by VitreaU instructors who are registered radiologic technologists.

## Schedule

### Day 1

8:30am	<b>Welcome and Overview</b>
8:45am	<b>Introduction Module, Part One</b> (8:45am - 9:45am Lecture) <ul style="list-style-type: none"><li>• Methods of Education with VitreaU (How to access distance learning tools)</li><li>• Accessing Vitrea</li><li>• Choosing a Study and Series</li><li>• Choosing Protocol and Preset</li><li>• MPR Imaging Basics</li></ul>
10:00am	<b>Break</b>
10:15am	<b>Introduction Module, Part Two</b> (10:15am - 11:00am Lecture) <ul style="list-style-type: none"><li>• Multi - Modality Viewer</li><li>• Report Distribution</li></ul>
11:15am	<b>Multi Planar Reformatting</b> (11:15 – 11:45 Lecture)
12:00pm	<b>Lunch Break</b>
12:45pm	<b>Ortho</b> (12:45 – 1:30pm Lecture)
1:45 pm	<b>Break</b>
2:00 pm	<b>Aorta</b> (2:00pm – 2:45pm Lecture)
3:00 pm	<b>Peripheral</b> (3:00 – 3:45 Lecture)
4:00pm	<b>Adjourn</b>

### Day 2

8:30 am	<b>Assessment Review Day 1</b>
8:45 am	<b>EVSP</b> (8:45am-9:15am Lecture)
9:30 am	<b>Break</b>
9:45 am	<b>Carotid</b> (9:45am-10:15am Lecture)
10:30am	<b>Break</b>
10:45am	<b>Circle of Willis</b> (10:45am – 11:15am Lecture)
11:30am	<b>Coronary Artery Calcium Scoring</b> (11:30am-12:00pm Lecture)
12:15pm	<b>Lunch Break</b>
12:45pm	<b>Coronary CT Angiography</b> (12:45pm-1:30pm Lecture)
1:45pm	<b>Break</b>
2:00pm	<b>Coronary CT Planning</b> (2:00pm-2:30pm Lecture)
2:45pm	<b>Break</b>
3:00pm	<b>Cardiac Functional Analysis</b> (3:00pm – 3:45pm Lecture)
4:00pm	<b>Adjourn</b>

### Day 3

8:30am	<b>Assessment Review Day 2</b>
9:00am	<b>EP Planning</b> (9:00am – 9:45am Lecture)
10:00am	<b>TAVR</b> (10:00 – 10:45 Lecture)
11:00am	<b>Break</b>
11:15am	<b>Brain Perfusion/Brain Analysis</b> (11:15-11:45am Lecture)
12:00pm	<b>Lunch Break</b>
12:45pm	<b>Lung/Lung Nodule</b> (12:45pm-1:15pm Lecture)
1:30pm	<b>Break</b>
1:45pm	<b>Basic MRA</b> (1:45pm-2:15pm Lecture)
2:30pm	<b>Review and Questions</b>
3:00pm	<b>Adjourn</b>