

# SCSK 587 : 3D Visualization with DICOM

Clinicians and Medical Illustrators collaborate to create visualizations that help others understand medical conditions. We all know that imagery has the power to help us conceptualize and understand the complexities of the human body, but how are these images made? During this course, you will learn the basics of creating 3D visualizations using accessible technology such as an open source OJCOM Viewer and a web-based 3D model viewer. Together, we will explore the use of CT/MRI data to teach others about the location of their pathology in three dimensions. Creating a 3D model from CT/MRI data and adding simple annotations will enhance your ability to engage and educate your audience through virtual dissection and interactivity. Upon successful completion of this course, you will demonstrate DICOM visualization techniques and publish a 3D model online.

## **Core Course**