**MRAD 251 – Computed Tomography Theory 1 Course Schedule**

This schedule may be changed as required.

| Week | Content | Quizzes/Exams |
|---|---|---|
| 1 | CT Physics – Outcome 1: Introduction to CT<br>Principles of CT | |
| 1 | CT Equipment – Outcome 2: Tomography<br>CT Fundamentals | |
| 2 | CT Imaging – Outcome 3: Data Acquisition and Related Principles<br>Process of CT Image Creation<br>CT Components and Detector Arrays | **Quiz**<br>**20%** |
| 2 | CT Imaging continued: CT Generations<br>Additional CT Applications and Image Quality<br>Post Processing and Image Artifacts | |
| 2 | Course Review | **Assignment #1**<br>**30%** |
| 3 | Patient Care – Outcome 6: Patient Care Considerations<br>Contrast Media – Outcome 7: Contrast Media and Administration | **Assignment #2**<br>**15%** |
| 3 | Radiation Safety – Outcome 5: Dosimetry<br>Quality Assurance (QA) and Quality Control (QC) – Outcome 4: Quality Control Tests | |
| 3 | Final Exam Review | **Final Exam**<br>**35%** |