

Radiologic Science 1 Lab Fall 2021

| lab | Topic | Equipment |
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| 1 | Introduction to the lab | X-ray machine, x-ray control console |
| 2 | Exploring the X-ray Machine Control Console | X-ray control console |
| 3 | mAs Reciprocity | X-ray control console, phantom, CR image receptor |
| 4 | Introduction to a Radiographic Technique Chart and Basic Image Manipulation | Whole body phantom, caliper, CR reader |
| 5 | CR Exposure Index | X-ray control console, phantom, CR image receptor |
| 6 | DR Exposure Index | X-ray control console, phantom, CR image receptor |
| 7 | Exposure Index and Noise in Digital Imaging | X-ray control console, phantom, DR image receptor |
| 8 | Inverse Square Law | X-ray control console, phantom, CR image receptor |
| 9 | Direct Square Law | X-ray control console, phantom, CR image receptor |
| 10 | 15% Rule and Effect | X-ray control console, phantom, DR image receptor |
| 11 | Scatter Radiation and Grids | X-ray control console, phantom, CR image receptor, grid |
| 12 | Basic Grid Errors | X-ray control console, phantom, CR image receptor, grid |
| 13 | Introduction to AEC | X-ray control console, phantom, DR image receptor |
| 14 | Basic AEC Errors | X-ray control console, phantom, DR image receptor |