# Radiography II
## Pima Medical Institute Online Education
### Student Course Map

**Textbooks:**
- Merrill’s Atlas of Radiographic Positioning and Procedures, Frank, Long, Smith
- Principles of Radiographic Imaging by Carlton & Adler
- Radiographic Imaging Analysis, Kathy McQuillen Martensen

## Imaging Errors

**What to Read**
- **Topic: Digital Imaging Errors**
  - Read Chapters 19, 21, and 23 (Carlton)
- **Topic: kV, mAs, and Digital, Oh My!**
  - Read Chapter 26-27 (Carlton)
- **Topic: Image Artifacts**
  - Read Chapter 2 (Martensen)

**What to Do**
- Discussion: Artifacts (Due ________)
- Quiz 1 (Due ________)

## Positioning Analysis, Part 1

**What to Read**
- **Topic: Image Critique Guidelines**
  - Read Chapter 30 (Carlton)
- **Topic: Upper Extremity**
  - Read Chapter 4 (Martensen)
- **Topic: Lower Extremity**
  - Read Chapter 6 (Martensen)
- **Topic: Chest**
  - Read Chapter 3 (Martensen)

**What to Do**
- Assignment: Extremity (Due ________)
- Quiz 2 (Due ________)

## Positioning Analysis, Part 2

**What to Read**
- **Topic: KUBs**
  - Read Chapters 3 and 7 (Martensen)
- **Topic: Skull and Sinuses**
  - Read Chapter 11 (Martensen)
- **Topic: Spine**
  - Read Chapters 8 and 9 (Martensen)

**What to Do**
- Discussion: Pelvis (Due ________)
- Assignment: Skull (Due ________)
- Quiz 3 (Due ________)

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## Technique Chart Review

<table>
<thead>
<tr>
<th>What to Read</th>
<th>What to Do</th>
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<tbody>
<tr>
<td>Topic: Introduction to and Overview of Technique Charts</td>
<td>Discussion: Chart Failure (Due ________)</td>
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<tr>
<td>Read Chapter 32-34 (Carlton)</td>
<td>Assignment: Technique Chart (Due ________)</td>
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<tr>
<td>Topic: Variable and Fixed Kilovoltage Systems</td>
<td>No assigned reading</td>
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<tr>
<td>Topic: Automatic Exposure Control</td>
<td>No assigned reading</td>
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## Quality Management

<table>
<thead>
<tr>
<th>What to Read</th>
<th>What to Do</th>
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</thead>
<tbody>
<tr>
<td>Topic: Overview of Quality Management</td>
<td>Assignment: Definitions (Due _____)</td>
</tr>
<tr>
<td>Read Chapter 31 (Carlton)</td>
<td>Discussion: QA Test (Due ________)</td>
</tr>
<tr>
<td>Topic: Quality Control Procedures and Data</td>
<td>Quiz 4 (Due ________)</td>
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<tr>
<td>No assigned reading</td>
<td>Final Assessment: Case Study (Due ________)</td>
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<tr>
<td>Topic: Quality Control of Equipment</td>
<td>Read Chapter 2 (Martensen)</td>
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<td>Read Chapter 2 (Martensen)</td>
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<tr>
<td>Topic: Quality Assurance Issues</td>
<td>Read Chapter 1 (Martensen)</td>
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<td>No assigned reading</td>
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<tr>
<td>Topic: Image Repeat Analysis</td>
<td>Read Chapter 23 (Carlton)</td>
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<tr>
<td>Topic: Display Monitors</td>
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