### Digital Imaging Systems

<table>
<thead>
<tr>
<th>What to Read</th>
<th>What to Do</th>
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</table>
| Topic: Storage Phosphor (CR) Systems  
  - Read: Chapter 23 and Bushong Chapter 15 | Discussion: CR vs. DR (Due _________)  
  - Assignment: Digital Systems (Due _________)  
  - Quiz 1 (Due _________) |
| Topic: Flat Panel (DR) Systems  
  - Read: Chapter 23 | |
| Topic: Film vs. Digital: Differences and Similarities  
  - Read: Chapter 23 | |

### Digital Image Processing and Informatics

<table>
<thead>
<tr>
<th>What to Read</th>
<th>What to Do</th>
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</thead>
</table>
| Topic: Digital Image Characteristics and Point Processing  
  - Read: Chapter 23 | Assignment: Image Processing and Informatics (Due _________)  
  - Quiz 2 (Due _________) |
| Topic: Local Processing and Image Quality  
  - Read: Chapter 23 | |
| Topic: Image Creation and Informatics  
  - Read: Chapter 23 | |
| Topic: Nervous System Cells  
  - Read: Chapter 24 | |

### Quality Factors: Image Receptor Exposure

<table>
<thead>
<tr>
<th>What to Read</th>
<th>What to Do</th>
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</table>
| Topic: IR Exposure: Definition and Assessment  
  - Read: Chapter 26 | Assignment: Exposure Maintenance (Due _________)  
  - Assignment: mAs (Due _________)  
  - Quiz 3 (Due _________) |
| Topic: Factors Affecting IR Exposure, Part 1  
  - Read: Chapter 26 | |
| Topic: Factors Affecting IR Exposure, Part 2  
  - Read: Chapter 26 | |
| Topic: Factors Affecting IR Exposure, Part 3  
  - Read: Chapter 26 | |
| Topic: Automatic Exposure Control  
  - Read: Chapter 33 | |
# Quality Factors: Contrast

**What to Read**
- Topic: Contrast: Definition, Assessment, and Effects on Image Appearance  
  - Read: Chapter 27
- Topic: Technical Factors Affecting Contrast  
  - Read: Chapter 27
- Topic: Additional Factors Affecting Contrast  
  - No assigned reading
- Topic: Grids  
  - Read: Chapter 18

**What to Do**
- Assignment: Contrast (Due _________)
- Discussion: Technique (Due _________)
- Assignment: Grid (Due _________)
- Quiz 4 (Due _________)

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# Quality Factors: Recorded Detail/Spatial Resolution

**What to Read**
- Topic: Recorded Detail: Definition, Assessment, and Effects on Image Appearance  
  - Read: Chapter 28
- Topic: Spatial Resolution  
  - No assigned reading
- Topic: Factors Affecting Recorded Detail/Spatial Resolution  
  - Read: Chapter 28
- Topic: How Intensifying Screens Affect Exposure  
  - Read: Chapter 28

**What to Do**
- Assignment: Recorded Detail (Due _________)
- Quiz 5 (Due _________)

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# Quality Factors: Distortion

**What to Read**
- Topic: Size Distortion  
  - Read: Chapter 29
- Topic: Shape Distortion  
  - Read: Chapter 29

**What to Do**
- Assignment: Distortion (Due _________)
- Quiz 6 (Due _________)
- Final Exam (Due _________)