

# Fundamentals of Diagnostic Imaging (CLSC-5102)

## Course Calendar, Spring 2013

DATE	TOPIC
<b>WEEK 1</b>	
January 8	Course introduction and overview; history of diagnostic imaging
January 9	The clinical thinking process; the role of diagnostic imaging Case Scenario and Narrative Project – Getting Organized
<b>WEEK 2</b>	
January 15	Introduction to film assessment and interpretation; talking about films
January 16	Case Scenario and Narrative Project – Case History
<b>WEEK 3</b>	
January 22	The controlling factors, mAs and kVp; generators
January 23	Case Scenario and Narrative Project – Differential Diagnosis and Working Diagnosis
<b>WEEK 4</b>	
January 29	The x-ray tube; x-ray production
January 30	Case Scenario and Narrative Project – Exams and Imaging
<b>WEEK 5</b>	
February 5	Subject (patient) interactions
February 6	Case Scenario and Narrative Project – Follow-up Imaging and Final Diagnosis
<b>WEEK 6</b>	
February 12	Image receptor system (analog)
February 13	Case Scenario and Narrative Project – Treatment Plan and Prognosis
<b>WEEK 7</b>	
February 19	Image geometry; scatter control; filtration
February 20	Case Scenario and Narrative Project – Narrative
<b>WEEK 8</b>	
February 24	<b>Case Scenario and Narrative Project – Narrative draft due by end of day</b>
February 26	Review for Radiographic Principles Assessment
February 27	Review for Radiographic Principles Assessment
March 1	<b>Radiographic Principles Assessment; 7:00 AM in the classroom (60 minutes)</b>

<b>WEEK 9</b>	
March 5	Digital x-ray; introduction to cross-sectional imaging; computed tomography (CT)
March 6	Case Scenario and Narrative Project – Narrative draft feedback returned; narrative revision work-day
<b>WEEK 10</b>	
March 10	<b>Radiographic Principles Assessment Follow-up Project – Reflection and Plan due by end of day</b>
March 12	Magnetic resonance imaging (MR) <b>Case Scenario and Narrative Project – Narrative final draft due by end of day</b>
March 13	Case Scenario and Narrative Project – Peer-review Patient safety in imaging
<b>WEEK 11</b>	
March 19	Nuclear imaging
March 20	Imaging of Pathology Presentation – Overview and work-day
March 22	<b>Case Scenario and Narrative Project – Self- and peer-assessments due by end of day</b> <b>Case Scenario and Narrative Project – Individual reflection due by end of day</b> <b>Imaging of Pathology Presentation – Draft due by end of day</b>
<b>WEEK 12</b>	
March 26	Ultrasound
March 27	Imaging of Pathology Presentation – Feedback returned; revision work-day
<b>WEEK 13</b>	
March 31	<b>Radiographic Principles Assessment Follow-up Project – Product due by end of day</b>
April 1	<b>Imaging of Pathology Presentation due by end of day</b>
April 2	Imaging of Pathology Presentations
April 3	Imaging of Pathology Presentations
<b>WEEK 14</b>	
April 9	Imaging of Pathology Presentations
April 10	Putting it all together; closing thoughts
April 12	<b>Closing Thought Exercise; 7:00 AM in classroom (90 minutes)</b>
<b>WEEK 15</b>	
April 16	Closing reflection due by 7:00 AM

**Important Dates**

February 24 (Sunday) Case Scenario and Narrative Project – Narrative draft due by end of day  
March 1 (Friday) Radiographic Principles Assessment; 7:00 AM in the classroom (60 minutes)  
March 10 (Sunday) Radiographic Principles Assessment Follow-up Project – Reflection and Plan due by end of day  
March 12 (Tuesday) Case Scenario and Narrative Project – Narrative final draft due by end of day  
March 22 (Friday) Case Scenario and Narrative Project – Self- and peer-assessments due by end of day  
March 22 (Friday) Case Scenario and Narrative Project – Individual reflection due by end of day  
March 22 (Friday) Imaging of Pathology Presentation – Draft due by end of day  
March 31 (Sunday) Radiographic Principles Assessment Follow-up Project – Product due by end of day  
April 1 (Monday) Imaging of Pathology Presentation due by end of day  
April 12 (Friday) Closing Thought Exercise; 7:00 AM in classroom (90 minutes)  
April 16 (Tuesday) Closing reflection due by 7:00 AM

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