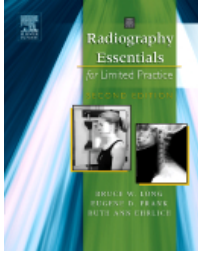
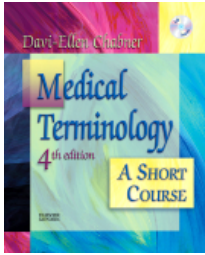
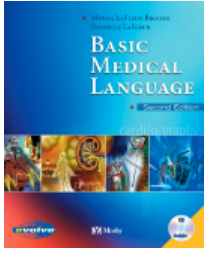





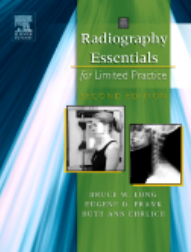
## Sample Limited X-Ray Machine Operator (LXMO) Curriculum Elsevier Textbooks and Ancillaries

Course Name/Description	Elsevier Textbook(s)	Ancillary Support Product(s)	Book Covers
<p><b>Introduction to Radiography</b> Covers fundamentals, ethics, and laws of health care; provides an overview of radiologic science and the role of the limited x-ray machine operator (LXMO). Examines principles, practices, and policies of health care organizations and the professional responsibilities of the LXMO. Includes ethical and legal considerations, professional standards, documentation, and informed consent. <b>10 hours of instruction</b></p>	<p><b>Core Content:</b> <b>LONG/FRANK/EHRLICH:</b> Radiography Essentials for Limited Practice, 2/e, (9781416024491), 2006, \$62.95 List <b>Chapters 1 and 2</b> <b>Text/WB Package:</b> (9781416030119), \$79.95 List</p>	<p><b>LONG Student Resources</b></p> <ul style="list-style-type: none"> <li>• Workbook, 2e (9781416025023), Chapters 1 and 2</li> </ul> <p><b>LONG Instructor Resources</b> Chapters 1 and 2</p> <ul style="list-style-type: none"> <li>• Instructor's Resource Manual with CD-ROM (97814160250479) includes course planning, chapter outlines and objectives, learning assignments, and audiovisual supplements</li> <li>• Evolve Resources includes contents of IRM, plus learning management system</li> </ul>	

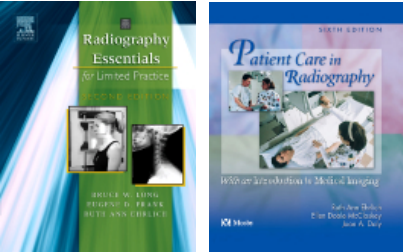
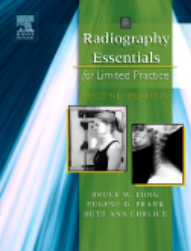
NOTE: Course descriptions and recommended hours of instruction modified from Limited X-Ray Machine Operator Curriculum developed by American Society of Radiologic Technologists. LXMO educational requirement vary widely based on differing state requirements.

Course Name/Description	Elsevier Textbook(s)	Ancillary Support Product(s)	Book Covers
<p><b>Medical Terminology</b> Presents the origins of medical terminology. Introduces word-building system and teaches abbreviations and symbols. Also provides orientation to understanding radiographic orders and interpretation of diagnostic reports. <b>10 hours of instruction</b></p>	<p><b>Core Content:</b> <b>CHABNER:</b> Medical Terminology: A Short Course, 4/e, (9781416001652), 2005, \$26.95</p> <p><b>CHABNER:</b> Medical Terminology Online (9781416025061), \$24.95 or packaged with the text (9781416025054), \$41.95</p>	<p><b>CHABNER Student Resources</b></p> <ul style="list-style-type: none"> <li>• Student CD provided with text</li> <li>• Evolve Student Resources include quizzes, Body Spectrum Electronic Anatomy Coloring Book, quick reference of commonly used medical word parts, and an English-Spanish glossary.</li> </ul> <p><b>CHABNER Instructor Resources</b></p> <ul style="list-style-type: none"> <li>• Instructor’s Curriculum Resource (9781416024125) with CD</li> <li>• TEACH Lesson Plan Manual (9781416024125)</li> <li>• Evolve Instructor Resources include ICR contents, Computerized TB and Image Collection</li> </ul>	
	<p><b>LaFLEUR:</b> Basic Medical Language, 2e, (9780323025522) 2004, \$33.95</p>	<p><b>LaFLEUR Student Resources</b></p> <ul style="list-style-type: none"> <li>• Student CD provided with text</li> <li>• Flashcards</li> <li>• Evolve Student Resources</li> </ul> <p><b>LaFLEUR Instructor Resources</b></p> <ul style="list-style-type: none"> <li>• Instructor’s Curriculum Resource (9780323025539) with CD</li> <li>• Evolve Instructor Resources include ICR contents, Computerized TB and Image Collection</li> </ul>	

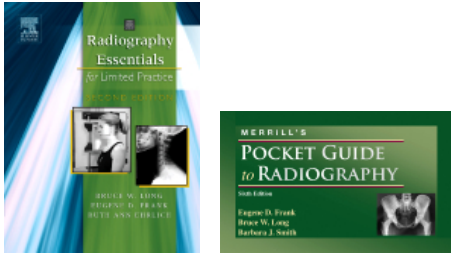
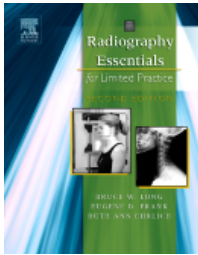
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Course Name/Description	Elsevier Textbook(s)	Ancillary Support Product(s)	Book Covers
	<p><b>LEONARD:</b> Quick and Easy Medical Terminology, 5e, 2006, (9781416024941) \$43.95</p>	<p><b>LEONARD Student Resources</b></p> <ul style="list-style-type: none"> <li>• Student CD provided with text</li> <li>• Evolve Student Resources</li> </ul> <p><b>LEONARD Instructor Resources</b></p> <ul style="list-style-type: none"> <li>• Instructor’s Curriculum Resource (9781416030898) with CD</li> <li>• Evolve Instructor Resources include ICR contents, Computerized TB and Image Collection</li> </ul>	
<p><b>Human Structure and Function</b> Establish a knowledge base in anatomy and physiology to include cells, tissues, organs, and body systems</p> <p><b>10 hours of instruction</b></p>	<p><b>Core Content:</b> <b>LONG/FRANK/EHRLICH:</b> Radiography Essentials for Limited Practice, 2/e, (9781416024491), 2006, \$62.95 List <b>Chapter 12</b></p> <p><b>This content is also covered in the medical terminology texts listed above.</b></p>	<p><b>LONG Student Resources</b></p> <ul style="list-style-type: none"> <li>• Workbook, 2e Chapter 12</li> </ul> <p><b>LONG Instructor Resources</b> Chapter 12</p> <ul style="list-style-type: none"> <li>• Instructor’s Resource Manual</li> <li>• Evolve Resources</li> </ul>	

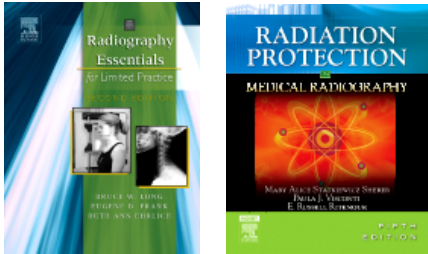
NOTE: Course descriptions and recommended hours of instruction modified from Limited X-Ray Machine Operator Curriculum developed by American Society of Radiologic Technologists. LXMO educational requirement vary widely based on differing state requirements.

Course Name/Description	Elsevier Textbook(s)	Ancillary Support Product(s)	Book Covers
<p><b>Patient Care</b> Presents the basic concepts of patient care, including the physical and psychological needs of the patient and family, routine patient care procedures, and the LXMO's role in patient education. Should also cover factors that influence relationships with patients and colleagues and human diversity.</p> <p><b>30 hours of patient care instruction</b></p>	<p><b>Core Content:</b> <b>LONG/FRANK/EHRLICH:</b> Radiography Essentials for Limited Practice, 2/e, (9781416024491), 2006, \$62.95 List <b>Chapters 20-23</b></p> <p><b>For longer LXMO programs, add:</b> <b>EHRLICH/McCLOSKEY/DALY</b> Patient Care in Radiography, 6e, 2004, (9780323019378) \$54.95</p>	<p><b>LONG Student Resources</b></p> <ul style="list-style-type: none"> <li>• Workbook, 2e, Chapters 20-23</li> </ul> <p><b>LONG Instructor Resources</b> Chapters 20-23</p> <ul style="list-style-type: none"> <li>• Instructor's Resource Manual</li> <li>• Evolve Resources</li> </ul> <p><b>EHRLICH Instructor Resources</b></p> <ul style="list-style-type: none"> <li>• Instructor's Curriculum Resource (9780323019576)</li> <li>• Evolve Resources includes contents of IRM, plus learning management system</li> </ul>	
<p><b>X-Ray Science 1</b> Covers radiographic equipment, basic physics, x-ray production, x-ray circuitry and tube heat management.</p> <p><b>25 hours of instruction (class and lab)</b></p>	<p><b>Core Content:</b> <b>LONG/FRANK/EHRLICH:</b> Radiography Essentials for Limited Practice, 2/e, (9781416024491), 2006, \$62.95 List <b>Chapter 26, if needed, to review math.</b> <b>Chapter 1-5</b></p>	<p><b>LONG Student Resources</b></p> <ul style="list-style-type: none"> <li>• Workbook, 2e Chapters 26, 1-5</li> </ul> <p><b>LONG Instructor Resources</b> Chapters 26, 1-5</p> <ul style="list-style-type: none"> <li>• Instructor's Resource Manual</li> <li>• Evolve Resources</li> </ul>	

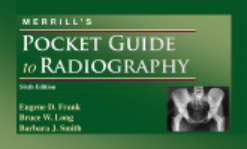
NOTE: Course descriptions and recommended hours of instruction modified from Limited X-Ray Machine Operator Curriculum developed by American Society of Radiologic Technologists. LXMO educational requirement vary widely based on differing state requirements.

Course Name/Description	Elsevier Textbook(s)	Ancillary Support Product(s)	Book Covers
<p><b>Anatomy, Positioning, and Pathology 1</b> Covers upper extremity, shoulder girdle, lower extremity, pelvis, spine, bony thorax, chest, and abdomen</p> <p><b>80 hours (class and lab)</b></p>	<p><b>Core Content:</b> <b>LONG/FRANK/EHRLICH:</b> Radiography Essentials for Limited Practice, 2/e, (9781416024491), 2006, \$62.95 List <b>Chapters 13-16</b></p> <p><b>FRANK/LONG/SMITH:</b> Merrill's Pocket Guide to Radiography, 6e, 2007 (9780323042093) \$32.95</p>	<p><b>LONG Student Resources</b></p> <ul style="list-style-type: none"> <li>• Workbook, 2e, Chapters 13-16</li> </ul> <p><b>LONG Instructor Resources</b> Chapters 13-16</p> <ul style="list-style-type: none"> <li>• Instructor's Resource Manual</li> <li>• Evolve Resources</li> </ul>	
<p><b>X-Ray Science 2</b> Covers exposure and image quality, the image receptor system, darkroom and film processing, and scatter radiation and its control</p> <p><b>20 hours (class and lab)</b></p>	<p><b>Core Content:</b> <b>LONG/FRANK/EHRLICH:</b> Radiography Essentials for Limited Practice, 2/e, (9781416024491), 2006, \$62.95 List <b>Chapters 6-9</b></p>	<p><b>LONG Student Resources</b></p> <ul style="list-style-type: none"> <li>• Workbook, 2e Chapters 6-9</li> </ul> <p><b>LONG Instructor Resources</b> Chapters 6-9</p> <ul style="list-style-type: none"> <li>• Instructor's Resource Manual</li> <li>• Evolve Resources</li> </ul>	

NOTE: Course descriptions and recommended hours of instruction modified from Limited X-Ray Machine Operator Curriculum developed by American Society of Radiologic Technologists. LXMO educational requirement vary widely based on differing state requirements.

Course Name/Description	Elsevier Textbook(s)	Ancillary Support Product(s)	Book Covers
<p><b>Anatomy, Positioning, and Pathology 2</b> Covers skull, facial bones, and paranasal sinuses. Special populations, geriatric and pediatric.</p> <p><b>20 hours total (class and lab)</b></p>	<p><b>Core Content:</b> <b>LONG/FRANK/EHRLICH:</b> Radiography Essentials for Limited Practice, 2/e, (9781416024491), 2006, \$62.95 List <b>Chapters 17-18</b></p> <p><b>FRANK/LONG/SMITH:</b> Merrill's Pocket Guide to Radiography, 6e, 2007, (9780323042093) \$32.95</p>	<p><b>LONG Student Resources</b></p> <ul style="list-style-type: none"> <li>• Workbook, 2e, Chapters 17-18</li> </ul> <p><b>LONG Instructor Resources</b> Chapters 17-18</p> <ul style="list-style-type: none"> <li>• Instructor's Resource Manual</li> <li>• Evolve Resources</li> </ul>	
<p><b>X-Ray Science 3</b> Covers x-ray technique and radiation protection</p> <p><b>60 hours (class and lab)</b></p>	<p><b>Core Content:</b> <b>LONG/FRANK/EHRLICH:</b> Radiography Essentials for Limited Practice, 2/e, (9781416024491), 2006, \$62.95 List <b>Chapters 10 and 11</b></p> <p><b>For longer LXMO programs, add:</b> <b>STATKIEWICZ SHERER:</b> Radiation Protection in Medical Radiography, 5e, 2006, (9780323036009) \$44.95</p>	<p><b>LONG Student Resources</b></p> <ul style="list-style-type: none"> <li>• Workbook, 2e, Chapters 10-11</li> </ul> <p><b>LONG Instructor Resources</b> Chapters 10-11</p> <ul style="list-style-type: none"> <li>• Instructor's Resource Manual</li> <li>• Evolve Resources</li> </ul> <p><b>SHERER Student Resources</b></p> <ul style="list-style-type: none"> <li>• Workbook, 5e (9780323044769)</li> </ul> <p><b>SHERER Instructor Resources</b></p> <ul style="list-style-type: none"> <li>• Instructor's Electronic Resource 9780323042185)</li> <li>• Evolve Resources includes contents of IRM, plus learning management system</li> </ul>	

NOTE: Course descriptions and recommended hours of instruction modified from Limited X-Ray Machine Operator Curriculum developed by American Society of Radiologic Technologists. LXMO educational requirement vary widely based on differing state requirements.

Course Name/Description	Elsevier Textbook(s)	Ancillary Support Product(s)	Book Covers
<p><b>Clinical Practice</b>                      Clinical practice designed for sequential development, application, critical analysis, integration, synthesis and evaluation of concepts and theories in the performance of radiologic procedures. Experiences designed to provide patient care and assessment and competent performance of radiologic imaging.</p> <p><b>1280 hours of clinical practice</b></p>	<p><b><u>Core Content:</u></b>  <b>FRANK/LONG/SMITH:</b>                      Merrill's Pocket Guide to Radiography, 6e, 2007, (9780323042093) \$32.95</p> <p><b>All the recommended texts support clinical practice component of the curriculum.</b></p>		

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