



# **Course Specification (Master of Urology / surgical Pathology)**



**University/ Academy: Al-Azhar University**

**Faculty/ Institute: Faculty of Medicine**

**Department: Urology**

**Course Specification  
(Master of Urology / surgical Pathology)**

<b>1. Course Data</b>		
<b>Course Code:</b> 07-700-uro Uro-surgical path	<b>Course Title:</b> Surgical Pathology	<b>Academic Year / level</b> Master
<b>Specialization:</b> urology	<b>No. of Instructional Units: (hrs/w)</b>	
	Lectures <input type="text" value="2"/>	Practical <input type="text" value="2"/>

<b>2. Course Aims</b>	<ol style="list-style-type: none"> <li>1. Provides the post graduate student with the knowledge and understanding of Surgical pathology of urinary tract and related systems laying stress on updates to be fit for urology practice.</li> <li>2. Prepare postgraduates to be proficient in the basic and advanced practical urogenital pathology skills.</li> <li>3. Prepare postgraduate to be competent in interpreting the results of the microscopic and macroscopic pathology for different urinary tract diseases.</li> </ol>
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<b>3. Intended Learning Outcome (ILOs)</b>	
a. Knowledge and	<i>Postgraduate attaining master Degree in Urology should</i>

<p><b>Understanding:</b></p>	<p><b><i>have sufficient understanding and knowledge that enable him/her to:</i></b></p> <p>a1. Recognize the fundamentals of general pathology.</p> <p>a2. Recognize the fundamentals of pathology of urogenital system.</p> <p>a3. Describe the macroscopic and microscopic pathologic features of various diseases of urinary tract</p> <p>a4. Address and review the recent advances that have led to new concepts in renal pathology and pathophysiology.</p> <p>a5. Describe the macroscopic and microscopic pathologic features of various diseases of urogenital system</p> <p>a6. Understand the pathology of blood diseases that is related to urinary system.</p> <p>a7. Understand the pathologic features of various diseases of blood and lymphatic system that may affect urinary tract</p> <p>a8. Recognize the basics, the tools and the methodology as well as the ethical considerations in handling the urogenital pathological specimens.</p>
<p><b>b. Intellectual Skills:</b></p>	<p><b><i>Postgraduate attaining master Degree in urology should develop intellectual skills that enable him/her to:</i></b></p> <p>b1. Determine, analyze and prioritize the basic pathologic mechanisms of disease.</p> <p>b2. Differentiate the various pathologic features of urogenital diseases.</p> <p>b3. Outlines expectations and limitations of pathologic assessment of urogenital diseases.</p>

<p><b>c. Professional Skills:</b></p>	<p><b><i>Postgraduate attaining master in urology should develop practical skills that enable him/her to:</i></b></p> <p>C1. Examine the urogenital pathological specimens and differentiate the gross appearance of urogenital pathology.</p> <p>C2. Evaluate and interpret the microscopic features of various urogenital diseases.</p> <p>C3. Identify a wide range of renal conditions rapidly and accurately in both the diagnostic and autopsy work.</p> <p>C4. Appraise approaches to autopsy devices, as well as biopsies of urinary system</p> <p>C5. Evaluate resected tumours, testicular tumors and Prostatic specimens.</p> <p>C6. Determine the gross pathology of urogenital diseases.</p> <p>C7. Write and appraise urologic pathological reports.</p>
<p><b>d. General Skills:</b></p>	<p><b><i>Postgraduate attaining master Degree urology should develop general and transferrable skills that enable him/her to:</i></b></p> <p>d1. Be self-dependent during the learning process, adopt the principles of lifelong learning and seek for continuous professional development.</p> <p>d2. Use technology and search through the different sources of information (e.g. text books, educational CDs and internet) to remain up-to-date in knowledge and practice.</p> <p>d3. Practice self appraisal and determines his/her learning needs.</p> <p>d4. Improve his/her linguistic capabilities and use the information technology to improve his/her scientific level.</p>

<p><b>4. Course Content</b></p>	<p><b>I. General pathology.</b></p> <ul style="list-style-type: none"> <li>- Cellular reaction to injury.</li> <li>- Inflammation.</li> <li>- Healing.</li> <li>- Neoplasia.</li> <li>- Metabolic diseases.</li> <li>- Immune mechanisms.</li> </ul> <p><b>II. Surgical pathology of :</b> <b>Renal inflammatory conditions</b></p>
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	<p><b>Renal tumors</b></p> <p><b>Upper urothelial tumors</b></p> <p><b>Renal stones</b></p> <p><b>Bladder tumors</b></p> <p><b>BPH</b></p> <p><b>Cancer prostate</b></p> <p><b>Specific and non specific infections</b></p> <p><b>Congenital anomalies of urinary tract</b></p> <p><b>Tuberculosis</b></p> <p><b>Bilharziasis</b></p> <p><b>Penile tumors</b></p> <p><b>Sexually transmitted diseases</b></p>
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<b>5. Teaching and Learning Methods</b>	<p><b>I. Lectures:</b></p> <ol style="list-style-type: none"> <li>1. Conventional (didactic) method</li> <li>2. Interactive discussion.</li> </ol> <p><b>II. Practical:</b> to identify and recognize various microscopic and macroscopic pathologic specimens.</p>
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<b>6. Teaching and Learning Methods for Students with Special Needs</b>	<p>Slides</p> <p>Jars</p>
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<b>7. Student Assessment:</b>	
<b>a. Procedures used:</b>	<p><b>I) Written examination:</b></p> <p><b>II) Oral examination:</b></p>
<b>b. Schedule:</b>	Only postgraduates who pass the written examination are allowed to attend oral and practical examination.

c. Weighing of Assessment:	I) Written exam: II) Oral examination:
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<b>8. List of Textbooks and References:</b>	
a. Course Notes	<ul style="list-style-type: none"> <li>- Lectures Notes</li> <li><b>Smith's textbook of Urology and Campbell's textbook of Urology</b></li> <li>- For all books listed the latest edition is recommended.</li> </ul>
b. Required Books (Textbooks)	<ul style="list-style-type: none"> <li>- Practical urogenital Pathology,</li> <li>- Renal Pathology 2nd Edition, 2001 (Editors: Renu Virmani, Allen Burke, Andrew Farb, James B. Atkinson, Andrew Farb)</li> </ul>
c. Recommended Books	<ul style="list-style-type: none"> <li>- Lecture notes</li> <li><b>Smith's textbook of Urology and Campbell's textbook of Urology</b></li> <li>-</li> </ul>
d. Periodicals, Web Sites ..., etc.	<a href="http://www.euro.org/">http://www.euro.org/</a> <a href="http://library.med.utah.edu/WebPath/CVHTML/CVIDX.html">http://library.med.utah.edu/WebPath/CVHTML/CVIDX.html</a> <a href="http://www.cdc.gov/renalldisease/index.htm">http://www.cdc.gov/renalldisease/index.htm</a> <a href="http://www.cdc.gov/renalldisease/educational_materials.htm">http://www.cdc.gov/renalldisease/educational_materials.htm</a> <a href="http://emedicine.medscape.com/pathology">http://emedicine.medscape.com/pathology</a> <a href="http://emedicine.medscape.com/pathology#urogenital">http://emedicine.medscape.com/pathology#urogenital</a>

**Course Instructor: ????????**

**Head of Department: Prof. Dr. Hussin Galal**

**Date of Department Approval: / /**

