

## Peer Revision

<b>Date of Revision</b>	<b>University</b>	<b>Reviewers</b>
10/12/2011	Cairo	- Prof. Dawlat Salem
28/11/2011	Mansura	- Prof. Ahmad K. Mansur

# Program Specification of medical Doctorate Degree of Genitourinary Surgery

Sohag University

Faculty of Medicine

## A. Basic Information

1. Program Title: Medical doctoral degree in Genitourinary Surgery
2. 2- Program Type: Single
3. faculty: Faculty of Medicine
4. Department of Genitourinary Surgery
5. Coordinator: Prof. Atef Galal
6. Assistant coordinator: Dr Ahmed Mahmoud Reyad
7. External Evaluator(s) Prof Dr/ Mohammed Abd elmalek.
8. Last date of program specifications approval: Faculty council No"317", decree No. "1533" dated 17/12/2018.

## B. Professional Information

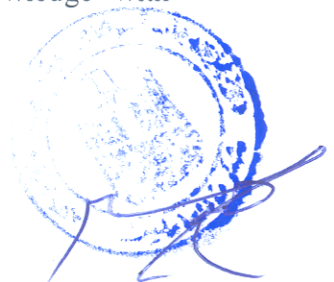
### 1. Program Aims:

The aim of this program is to provide the postgraduate with the advanced medical knowledge and skills essential for the mastery of practice of Genitourinary Surgery and necessary for further training and practice in the field of Genitourinary Surgery including: through providing:

1. Resent Scientific knowledge essential for the mastery of practice of Genitourinary Surgery according to the international standards.
2. Skills necessary for proper diagnosis and management of patients including diagnostic, decision making and problem solving and operative skills.
3. Ethical principles related to medical practice.
4. Active participation in community needs assessment and problems identification.
5. Maintanance of learning abilities necessary for continuous medical education.
6. Upgrading research interest and abilities.

### 2. Attributes of the student:

- 3.
4. Efficient in carrying out the basics and advances in methodologies of scientific research in Genitourinary Surgery.
5. The continuous working to add new knowledge in the field of Genitourinary Surgery.
6. Applying the analytical course and critical appraisal of the knowledge in his specialty and related fields.
7. Merging the urological knowledge with the other related knowledge with conclusion and developing the relationships in between them.



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## **B. Professional Information**

### **1. Program Aims:**

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2. Skills necessary for proper diagnosis and management of patients including diagnostic, decision making and problem solving and operative skills.
3. Ethical principles related to medical practice.
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5. Maintenance of learning abilities necessary for continuous medical education.
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### **2. Attributes of the student:**

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4. Efficient in carrying out the basics and advances in methodologies of scientific research in Genitourinary Surgery.
5. The continuous working to add new knowledge in the field of Genitourinary Surgery.
6. Applying the analytical course and critical appraisal of the knowledge in his specialty and related fields.
7. Merging the urological knowledge with the other related knowledge with conclusion and developing the relationships in between them.

8. Showing a deep awareness with the ongoing problems, theories, and advanced sciences in the specialty of Genitourinary.
9. Determination of the professional problems in the specialty of Genitourinary and creating solutions for them.
10. Efficient in carrying out the professional skills in his specialty.
11. Using advanced suitable technologies which serves his practice.
12. Efficient communication and leadership of team work in his specialty.
13. Decision making through the available information.
14. Using the available resources efficiently and working to find new resources.
15. Awareness with his role in the development of the society and preserve environment.
16. Behaving in a way which reflects his credibility, accountability, and responsibility.
17. Keeping continuous self development and transfer his experiences and knowledge to others.

#### 18. **Program Intended Learning Outcomes**

##### a) **Knowledge and understanding:**

By the end of the study of doctoral program in Genitourinary Surgery the Graduate should be able to:

1. Mention the recent advances in the normal structure and function of the human Genitourinary Surgery system on the macro and micro levels.
2. List recent advances in the normal growth and development of the human Genitourinary Surgery system.
3. List the recent advances in the abnormal structure, function, growth and development of human Genitourinary Surgery system
4. Mention recent advances in the natural history of Genitourinary Surgery diseases.
5. Enumerate recent advances in the causation of Genitourinary Surgery diseases and their pathogenesis.
6. List the clinical picture and differential diagnosis of Genitourinary Surgery illnesses.
7. Enumerate recent advances in the common and special diagnostic and laboratory techniques necessary to establish diagnosis of Genitourinary Surgery illnesses.
8. List recent advances in the various therapeutic methods/alternatives used for Genitourinary Surgery diseases.
9. list recent advances in the structure, mechanism of action, advantages, disadvantages, side effects and complications of the different drugs for erectile dysfunction
10. Mention the principles and fundamentals of ethics and legal aspects of professional practice in the field of female Genitourinary Surgery
11. Mention the principles and fundamentals of quality assurance of professional practice in the field of Genitourinary Surgery
12. Enumerate the effect of professional practice on the environment and the methods of environmental development and maintenance.

13. List the recent advances in biostatistics and computer.
14. Enumerate the principles of evidence based medicine.
15. Mention principles, methodologies, tools and ethics of scientific research in the field of Genitourinary Surgery.

**b) Intellectual skills**

By the end of the study of doctoral program in Genitourinary Surgery the Graduate should be able to:

1. Interpret data acquired through history taking to reach a provisional diagnosis for Genitourinary Surgery problems.
2. Select from different diagnostic alternatives the ones that help reaching a final diagnosis for urological problems..
3. Conduct research studies that add to knowledge.
4. Formulate scientific papers in the area of Genitourinary Surgery
5. Assess risk in professional practices in the field of Genitourinary Surgery
6. Plan to improve performance in the field of Genitourinary Surgery
7. Identify Genitourinary Surgery problems and find solutions..
8. Have the ability to innovate non traditional solutions to Genitourinary Surgery problems.
9. Manage Scientific discussion based on scientific evidences and proofs.
10. Criticize researches related to Genitourinary Surgery.
11. Innovate and create researches to find solutions to prevalent problems in the field of Genitourinary Surgery
12. Interpret data acquired through researches using different statistical tests
13. Identify and collect data variables impacting health and disease in the field of Genitourinary Surgery

**c) Professional and practical skills:**

By the end of the study of doctoral program in Genitourinary Surgery the Graduate should be able to:

1. Master the basic and modern professional clinical and surgical skills in the area of Genitourinary Surgery
2. Write and evaluation of medical reports.
3. Evaluate and develop of methods and tools existing in the area of Genitourinary Surgery
4. Perform endoscopic and imaging evaluation of Genitourinary Surgery.
5. Train junior staff through continuous medical education
6. Design new methods, tools and ways of professional practice.
7. Master the basic and modern professional skills in conducting researches in the area of Genitourinary Surgery.
8. Perform recent advanced technological methods in collection, analysis and interpretation of data and in management of prevalent problems in the area of Genitourinary Surgery.

**d) General and Transferable skills:**

By the end of the study of doctoral program in Genitourinary Surgery. the Graduate should be able to:

1. Present reports in seminars effectively.

2. Use appropriate computer program packages
3. Teach others and evaluating their performance.
4. Assess himself and identify his personal learning needs.
5. Use of different sources for information and knowledge.
6. Work coherently and successfully as a part of team and team's leadership.
7. Manage scientific meetings administration according to the available time.

## 8. Academic Standards

Sohag faculty of medicine adopted the general national academic reference Standards(NARS) provided by the national authority for quality assurance and accreditation of education (naquee) for postgraduate program. This was approved by faculty council decree NO.6854,in its cession NO.177 dated 18/5/2009 based on these NARS: Academic reference standard (ARS) were revised by external evaluator suggested for this program. These ARS were approved by the faculty council decree NO,7528 , in its cession NO.191,dated 15-3-1010. The adoption of NARS and the suggested ARS were approved by University council degree No 587, in its cession No.60. dated 26-12-2011.

## 6. Curriculum Structure and Contents

5.a- Program duration 7 semester [3.5 year

5.b- Program structure

hours /week			
Clinical	Practical\ surgical	Lectures	Subject
<u>First Part:</u>			
---	2	2	<u>Biostatistics + Computer</u>
---	2	2	<u>Research Methodology</u>
---	2	1	Primary Medical Report
---	-	3	Surgical anatomy
---	-	3	Surgical Pathology
Second Part: for 24 months (96 weeks)			
6.5	6	7	Surgical Genitourinary Surgery

code	Item	No	%	
		Compulsory	90	100
		Elective	0	0
		Optional	0	0
b.iii	credit hours of basic sciences courses	7	7.8	
b.iv	credit hours of courses of social sciences and humanities	0	0	
b.v	credit hours of specialized courses:	53	58.9	
b.vi	credit hours of other course	8	8.9%	
b.vii	Practical/Field Training	8	8.9%	

b.viii	Program Levels (in credit-hours system): Level 1: 1 <sup>st</sup> part Level 2: 2 <sup>nd</sup> Part Level 3: Thesis	15 53 15	16.7 58.9 16.7
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## 7. Program Courses \* 6 compulsory programs

### 6.1- Level of Program

#### Semester...1.....

#### First part ;

#### a. Compulsory

	No. of hours /week				
	Clinical	Practical\ surgical	Lect.		
a11,a13,b12-13,c8,d2-5		2	2	3	<u>Biostatistics +</u> Computer
a10-,b3-4-10-11 c6-7,d5-6		2	2	3	<u>Research</u> <u>Methodology</u>
a10,b1-4-5,c2,d1-6-7		2	1	2	Primary Medical Report
a1-2-3,b3-4,c5,d3			3	3	Surgical anatomy
a1-3-4-5-6,b2-5,c5,d3-5			3	3	Surgical Pathology

#### Second Part:

	No. of hours /week				
	Clinic al	Practical\ surgical	Lect.		
a1-a2-a3-a4-a5- a6-a7-a8-a9-a11- a12-a14-a15- b1- b2-b4-b6-b7-b8- b9,c1-c3-c4- c5,d1-d3-d4-d7	6.5	6	7	53	Surgical Genitourinary Surgery curriculum

## 8. Program Admission Requirements

### I- General Requirements.

- 1 Candidate should have either MBBch degree from any Egyptian Faculty of Medicine or Equivalent Degree from Medical Schools abroad approved by the ministry of high Education.
- 2 Candidate should know how to speak & write English well
- 3 Candidate should have computer skills.
- 4 Follow postgraduate bylaw Regulatory rules of Sohag Faculty of Medicine approved by the ministerial decree No. (44), dated 6/1/2010.

### II- Specific Requirements

- 1 Master degree in Genitourinary Surgery with at least "Good Rank".

## 9. Regulations for Progression and Program Completion

Duration of program is 90 credit hours ( $\geq 7$  semesters  $\geq 3.5$  years), starting from registration till acceptance of the thesis; divided to:

**First Part: (15 Credit hours  $\geq 6$  months  $\geq 1$  semester):**

- 1 Program-related basic science, Research Methodology, Ethics & medical reports, Biostatistics and computer.
- 2 At least six months after registration should pass before the student can ask for examination in the 1<sup>st</sup> part.
- 3 Two sets of exams: 1st in October — 2nd in April after fulfillment of the credit hours.
- 4 At least 60% of the written exam and 60% of the total oral and practical/clinical is needed to pass in each course.
- 5 For the student to pass the first part exam, a score of at least 60% (Level D) in each course is needed.
- 6 Those who fail in one course need to re-exam it only.
- 7 GPA of  $\geq 1.3$  is needed to pass this level (semester).

**Second Part: (50-60 Credit hours  $\geq 24$  months= 4 semesters):**

- 1 Program related specialized science of Genitourinary Surgery courses. At least 24 months after passing the 1<sup>st</sup> part should pass before the student can ask for examination in the 2<sup>nd</sup> part.
- Fulfillment of the requirements in each course as described in the template and registered in the log book (8 Credit hours; with obtaining  $\geq 75\%$  of its mark) is a prerequisite for candidates to be assessed and undertake part 1 and part 2 examinations; the credit hours of the logbook are calculated as following:
  - Each Cr. Hr.= 60 working Hrs.
  - Logbook= 8 Cr. Hr. X 60 working Hrs = 480 Working Hrs.
  - Collection of working Hrs. is as following:

Hrs	Activity	
6	اجتماع علمى موسع	Grand rounds
12/ day	دورات تدريبية	Training courses
12/day 18/day	حضور مؤتمرات علمية داخلي خارجة	Conference attendance
6	حضور مناقشات رسائل	Thesis discussion
12/day	حضور ورش عمل	Workshops
6	ندوة الدوريات الحديثة	Journal club
6	لقاء علمى موسع	Seminars
6	ندوة تحليل المخاطر المرضية أو الوفاة	Morbidity and Mortality conference
6	برنامج التعليم الذاتى	Self education program

- 1 Two sets of exams: 1st in October - 2nd in April.
- 2 At least 60% of the written exam is needed to be admitted to the oral and practical



exams.

- 3 4 times of oral and practical exams are allowed before the student has to re-attend the written exam.

**Third Part (Thesis) (15 Credit hours =24-48 months=4-8 semester):**

- Documentation of the subject should not be delayed for > 1.5 years after registration.
- Could start after registration and should be completed, defended and accepted after passing the 2nd part final examination, after passing of at least 24 months after documentation of the subject of the thesis and after publishing of at least one paper from the thesis in a specialized peer-reviewed journal.
- Accepting the thesis is enough to pass this part.

**10. Methods of student assessments:**

Method of assessment	weight	The assessed ILOs
1-Research assignment		- General transferable skills, intellectual skills
2-Written Exams: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	50 %	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills
3-OSCE/ OSPE		-Practical skills, intellectual skills, general transferable skills
4-Structured Oral Exams		- Knowledge, Intellectual skills, General transferable skills

**Assessment schedule:**

Part I:

- Biostatistics & Computer: Written Exam (2 hours) + Structured oral Exam+ OSPE
- Research Methodology: Written Exam (2 hours) + structured oral Exam+ OSPE
- Primary medical reports: Written Exam (2 hour) + Structured oral Exam+ OSPE
- Surgical Anatomy: Written Exam (2 hour) + Structured oral Exam
- Applied Pathology: Written Exam (2 hour) + Structured oral Exam

Part II:

- Surgical Genitourinary Surgery: Two written Exam (3 hours for each) + one written exam containing commentary (1.5 hours) + OSCE + Structured oral Exam + Operative exam.

**11. Evaluation of Program**

Sample	Tool	Evaluator
10	Questionnaires	1- Senior students
10	Questionnaires	2- Alumni
2	interviews	3- Stakeholders ( Employers)
1	Report	4-External Evaluator(s) (External Examiner(s))
		5- Other

## Course Specifications of Applied biostatistics (with computer use) in MD degree in Genitourinary Surgery

University... Sohag

Faculty ...Medicine

1. Program on which the course is given:: MD degree in Genitourinary Surgery
2. Major or minor element of program: Minor
3. Department offering the program: Genitourinary Surgery department
4. Department offering the course: Community Medicine and public Health department
5. Academic year / Level: first part
6. Date of specification approval: Faculty council No. "317", decree No. "1533" dated 17/12/2018

### A. Basic Information

Title: **Course Specifications of Applied biostatistics (with computer use) in MD degree in Genitourinary Surgery**

Code: COM0510-300

Credit	Total	Practical	Lecture	Title
3	60	30	30	Applied biostatistics

### B. Professional Information

#### 1. Overall Aims of Course

1. To use precisely the research methodology in researches and computer programs.

#### 2. Intended Learning Outcomes of Courses (ILOs)

##### a) Knowledge and understanding:

By the end of the course, the student is expected to be able to:

- a1. Describe different programs of analysis of data and statistical packages
- a2. Define the recent advances of sources of data and methods of collection.
- a3. Summarize data, construct tables and graphs
- a4. Calculate measures of central tendency and measures of dispersion
- a5. Describe the normal curves and its uses
- a6. Illustrate selected tests of significance and the inferences obtained from such tests
- a7. Illustrate selected tests of significance for parametric and non parametric inferences
- a8. Identify factor analysis and discrimination analysis

##### b) Intellectual Skills

By the end of the course, the student is expected to be allowed to:

1. Identify and collect data variables impacting health and disease in the field

of Genitourinary Surgery

2. Interpret data acquired through researches using different statistical tests

**c) Professional and Practical Skills:**

By the end of the course, the student is expected to practice the following:

1. Perform recent advanced technological methods in collection, analysis and interpretation of data and in management of prevalent problems in the area of Genitourinary Surgery.

**d) General and Transferable Skills:**

By the end of the course, the student is expected to be able to:

1. Use appropriate computer program packages.
2. Use of different sources for information and knowledge about biostatistics.

**3. Contents:**

<b>Tutorial/ Practical</b>	<b>Lecture</b>	<b>No. of hours</b>	<b>Topic</b>
3	3	6	Recent advances in collection, analysis and interpretation of data
3	3	6	-Details of Tests of significance: Proportion test
3	3	6	Chi-square test
3	3	6	Student T test
3	3	6	Paired T test
3	3	6	-Correlation
3	3	6	-Regression
3	3	6	-ANOVA test
3	3	6	-Discrimination analysis
1.5	1.5	3	Factor analysis
1.5	1.5	3	- parametric and non parametric tests
<b>30</b>	<b>30</b>	<b>60</b>	<b>Total</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>Credit</b>

**4. Teaching and Learning Methods**

- 4.1- Lectures
- 4.2- Practical sessions
- 4.3- Computer search assignments
- 4.4- Computer application

**5. Student Assessment Methods**

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills

5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.3-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills
5.4 Computer search assignment	-General transferable skills, intellectual skills

### Assessment Schedule

Assessment 1.....	Final written exam	Week: 24
Assessment 2.....	Structured Oral Exam	Week: 24
Assessment 3	Attendance and absenteeism throughout the course	
Assessment 4	Computer search assignment performance throughout the course	

### Weighting of Assessments

Final-term written examination	50%
Structured Oral Exam	50%
Total	100%

**Formative only assessments: attendance and absenteeism and Computer search assignments performance.**

### 6. List of References:

#### 6.1- Essential Books (Text Books)

1-Maxy-Rosenau Public health and preventive medicine, 2008.,Robert Wallace, publisher McGraw-Hill Medical; 15 edition.

#### 6.2- Recommended Books

1- Dimensions of Community Based projects in Health Care, 2018. Arxer, Steven L., Murphy, John W.; 1st edition.

2- Parks Text Book of Preventive & Social Medicine. 2017., K. Park. BanarsidasBhanot Publishers; 23 edition.

3- Clinical Epidemiology: The Essentials, 2013, Robert F., Suzanne W. Fletcher, Grant S., publisher Lippincott Williams & Wilkins; 5 edition.

#### 6.3- Periodicals, Web Sites, ...etc

1-American Journal of Epidemiology

2-British Journal of Epidemiology and Community Health

3- WWW. CDC and WHO sites

**7. Facilities Required for Teaching and Learning:**

- 1 Adequate conditioned space for staff and assistants.
- 2 Adequate conditioned teaching facilities.
- 3 Audiovisual Aids: Data show, overhead and slide projectors and their requirements

**Course Coordinator:** Dr/Fouad Metry Atya

**Head of Department:** Prof/ Ahmed Fathy Hammed

**Date:** 18/12/2011, Revised:1/9/2012, Revised:1/12/2013, Revised:1/12/2018

# Course Specification of Research Methodology in MD degree in Genitourinary Surgery

**Sohag University**

**Faculty of Medicine**

1. Program on which the course is given: MD degree in Genitourinary Surgery
2. Major or minor element of program: Minor
3. Department offering the program: Genitourinary Surgery department
4. Department offering the course: Community Medicine and public Health department
5. Academic year / Level: first part
6. Date of specification approval: Faculty council No. "317", decree No. "1533" dated 17/12/2018

## **A. Basic Information**

Title **Course Specification of Research Methodology in MD degree in Genitourinary Surgery**

Code: COM0510-300

credit	Total	Practical	Lecture	Title
3	60	30	30	research methods

## **B. Professional Information**

### **1. Overall Aims of Course**

The aim of this course is to provide the postgraduate student with the advanced medical knowledge and skills essential for the mastery of research studies and analysis.

To influence the students to adopt an analytical thinking for evidence based medicine

### **2. Intended Learning Outcomes of Course (ILOs):**

According to the intended goals of the faculty

#### **a) Knowledge and Understanding:**

By the end of the course the student should be able to:

- a1. Define the recent advances of screening tests pertinent to selected diseases and the at-risk approach in the application of screening tests.
- a2. Explain the usefulness of screening tests, and calculate sensitivity, specificity, and predictive values.
- a3. Describe the study design, uses, and limitations.
- a4. Enumerate the recent advances of principles, methodologies, tools and ethics of scientific research.
- a5. Explain the strategies and design of researches.
- a6. Describe bias and confounding.
- a7. Describe sampling techniques and list advantages of sampling

a8. Identify principles of evidence based medicine.

**b) Intellectual Skills:**

By the end of the course the student should have the ability to:

1. Conduct research studies that add to knowledge.
2. Formulate scientific papers in the area of Genitourinary Surgery
3. Innovate and create researches to find solutions to prevalent problems in the field of Genitourinary Surgery
4. Criticize researches related to Genitourinary Surgery.

**c) Professional and Practical Skills:**

By the end of the course the student should have the ability to:

- c1. Master the basic and modern professional skills in conducting researches in the area of Genitourinary Surgery.
- c2. Design new methods, tools and ways of conducting researches. .

**d) General and Transferable Skills:**

By the end of the course the student should have the ability to:

1. Use of different sources for information and knowledge to serve research.
2. Work coherently and successfully as a part of a team and team's leadership in conducting researches and field studies

**3. Contents**

<b>Tutorial/ Practical</b>	<b>Lecture</b>	<b>No. of hours</b>	<b>Topic</b>
4	4	1	Details of epidemiological studies (case control, cohort and cross sectional )
4	4	8	Clinical trials, Quasi experimental study
4	4	8	Bias and errors
4	4	8	Setting a hypothesis
4	4	8	Recent advances in screening
4	4	8	-0Evidence – based Medicine: Concept and examples Applicability Scientific writing: A protocol A curriculum
4	4	8	Setting an objective - Critical thinking
2	2	4	Formulation of papers
30	30	60	Total
2	1	3	Credit hours

**4. Teaching and Learning Methods**

- 4.1- Lectures.
- 4.2- Computer search assignments

**5. Student Assessment Methods**

Method of assessment	The assessed ILOs
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5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
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## 7. Facilities Required for Teaching and Learning:



1. Adequate conditioned space for staff and assistants.
2. Adequate conditioned teaching facilities.
3. Audiovisual Aids: Data show, overhead and slide projectors and their requirements

**Course Coordinator:** Dr/Fouad Metry Atya

**Head of Department:** Prof/ Ahmed Fathy Hammed

**Date:** 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013, **Revised:**1/12/2018

# Course Specification of Primary Medical Report in MD degree in Genitourinary Surgery

Sohag University

Faculty of Medicine

1. Program on which the course is given: MD degree in Genitourinary Surgery
2. Major or minor element of program: Minor
3. Department offering the program: Genitourinary Surgery department
4. Department offering the course: Forensic Medicine and Clinical Toxicology
5. Academic year / Level: first part
6. Date of specification approval: Faculty council No. "317", decree No. "1533" dated 17/12/2018

## A. Basic Information

**Title:** Course Specification of Primary Medical Report in MD degree in Genitourinary Surgery

**Code:** FOR 0510-300

credit	Total	Practical	Lecture	Title
2	45	30	15	Primary Medical Report

## B. Professional Information

### 1. Overall Aims of Course

By the end of the course the post graduate students should be able to :

1. List principles of toxicology of different types of poisonous substances and drugs which operate on human body including classification, mechanism of action, clinical features of toxicity, circumstances and diagnosis
2. Enumerate general management of poisoned patient (alert and comatose) and antidotal measures for different drugs and toxic substances.
3. Mention basic knowledge of different medicolegal aspects of medical practice.
4. Enumerated basic knowledge of medical ethics and malpractice.
5. Mention the theories and principles that govern ethical decision-making, especially of the major ethical dilemmas in medicine.

### 6. Intended Learning Outcomes of Course (ILOs):

According to the intended goals of the faculty

#### a) Knowledge and Understanding:

By the end of the course the student should be able to:

1. Mention the principles and fundamentals of ethics and legal aspects of professional practice in the field of Genitourinary Surgery

#### b) Intellectual Skills:

By the end of the course the student should have the ability to:

1. Interpret the features of different types of poisonous plant for proper diagnosis and management.

2. Formulate scientific papers in the area of Genitourinary Surgery
3. Assess risk in professional practices in the field of Genitourinary Surgery

**c) Professional and Practical Skills:**

By the end of the course the student should have the ability to:

1. Identify and write standard medical report about a case of poisoning, and write death certificates.

**d) General and Transferable Skills:**

By the end of the course the student should have the ability to:

1. Present toxicological reports in seminars effectively.
2. Work coherently and successfully as apart of team and team's leadership.
3. Manage scientific meetings administration according to the available time.

**4. Contents of the course:**

<b>Practica 1</b>	<b>Lecture</b>	<b>No. of hours</b>	<b>Topic</b>
2	1	3	The pathology of wounds, chest and abdominal injuries, self inflicted injury
2	1	3	The systemic effect of trauma& Permanent infirmity
2	1	3	Head and spinal injuries
2	1	3	The medicolegal aspects of firearm injuries
2	1	3	Burn and scold
2	1	3	How to write a medicolegal report& How to write death certificate
2	1	3	The medicolegal aspect of deaths associated with surgical procedures and toxicological sampling
2	1	3	Obligation of physicians (towards patients, colleagues, community)
2	1	3	Consent, and professional secrecy
4	2	6	Types of malpractice, and items of medical responsibility
4	2	6	Medicolegal aspects of organ transplantation, intersex states, euthanasia, assisted reproduction techniques
4	2	6	ethical considerations of medical research involving human subjects
<b>30</b>	<b>15</b>	<b>45</b>	<b>Total hours</b>
<b>1</b>	<b>1</b>	<b>2</b>	<b>Credit</b>

**4. Teaching and Learning Methods:**

- 4.1- Lectures
- 4.2- Assignment

**5. Student Assessment Methods:**

Method of assessment	The assessed ILOs
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5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.3-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills
5.4 Computer search assignment	-General transferable skills, intellectual skills

### Assessment Schedule

- 1- Assessment 1: written examination week 24
- 2- Assessment 2: Structured Oral Exam week 24
- 3- Assessment of attendance & absenteeism throughout the course

### Weighting of Assessments

Final-term written examination	50%
Structured Oral Exam	50%
Total	100%

Formative only assessments: attendance and absenteeism

### Formative only assessment: simple research assignment, attendance and absenteeism

## 6. List of References

### Essential books

Simpson's Forensic Medicine, 13th Edition, by Jason Payne-James, Richard Jones, Steven B Karch, John Manlove. published by Hodder & Stoughton Ltd (2011).

Goldfrank's Toxicologic Emergencies, (9th ed.) by Lewis S. Nelson, Robert S. Hoffman, Mary Ann Howland, Neal A Lewin, Lewis R. Goldfrank, Neal E. Flomenbaum. Published by McGraw-Hill (2011)

Emergency Toxicology, Peter Viccellio, (2nd ed.) Published by Lippincott Williams & Wilkins (1998)

### Recommended books

Medical ethics. (1997) Robert M Veatch. 2nd edition. Jones & Bartlett publishers

### Periodicals and websites.....etc.

Egyptian journals of forensic medicine and clinical toxicology

International journals of forensic medicine and clinical toxicology

[www.sciencedirect.com](http://www.sciencedirect.com)

<https://emedicine.medscape.com>

<https://www.ncbi.nlm.nih.gov/pmc/>

## 7. Facilities Required for Teaching and Learning

- 1 Appropriate teaching accommodation, including laboratory equipments and photographs
- 2 Facilities for field work: hospital visits, and library visits
- 3 Computers with net connection
- 4 Data Show and overhead projectors

**Course Coordinator:** Dr. Soheir Ali Mohamed

**Head of Department:** Dr. Soheir Ali Mohamed

**Date:** 18/12/2011, **Revised:** 1/9/2012, **Revised:** 1/12/2013, **Revised:** 1/12/2018

### **Course Specifications of Human Anatomy & Embryology in MD degree in Genitourinary Surgery**

**Sohag University**

**Faculty of Medicine**

1. Program on which the course is given: Anatomy and embryology for MD degree in Genitourinary Surgery
2. Major or minor element of program: Minor
3. Department offering the program: Genitourinary Surgery department
4. Department offering the course: Human Anatomy & Embryology
5. Academic year / Level: first part
6. Date of specification approval: Faculty council No. "317", decree No. "1533" dated 17/12/2018

#### **A. Basic Information**

**Title:** Course Specifications of Human Anatomy & Embryology in MD degree in Genitourinary Surgery

**Code:** ANA0510-300

<b>Credit</b>	<b>Total</b>	<b>Practical</b>	<b>Lecture</b>	<b>Title</b>
<b>3</b>	<b>45</b>	<b>--</b>	<b>45</b>	Human Anatomy & Embryology module

#### **B. Professional Information**

##### **1. Overall Aims of Course**

By the end of the course the student should be able to have the professional knowledge Human Anatomy & Embryology of urinary and male genital systems

##### **2. Intended Learning Outcomes of Course (ILOs):**

According to the intended goals of the faculty: the student is to be armed with professional knowledge about the anatomy of the Genitourinary Surgery system

a) **Knowledge and Understanding**

By the end of the course the student should have the ability to:

1. Mention the recent advances in the normal structure and function of the human Genitourinary system on the macro level
2. Describe recent advances in the normal growth and development of the human genitourinary system.
3. List the recent advances in the abnormal structure, function, growth and development of human Genitourinary system
4. Develop understanding basis of anatomy of abdomen ,pelvis and retroperitoneal space.

b) **Intellectual Skills:**

By the end of the course the student should have the ability to:

1. Formulate scientific papers in the area of Genitourinary Surgery
2. Conduct research studies that add to knowledge.

c) **Professional and Practical Skills:**

By the end of the course the student should have the ability to:

1. Train junior staff though continuous medical education

d) **General and Transferable Skills:**

By the end of the course the student should have the ability to:

1. Appreciate the importance of life long learning and show a strong commitment to it.
2. Teach others and evaluating their performance.

3. **Contents:**

Practical	Lecture	No. of hours	Topic
	5	5	Development & congenital anomalies of upper urinary tract
	3	3	Development& congenital anomalies of lower urinary tract
	5	5	Surgical anatomy for renal exploration
	5	5	Genitourinary anatomy in relation to pelvic surgery and its vascular supply
	3	3	Anatomy of anterior wall and hernia repair
	5	5	Anatomy of posterior abdominal wall
	1	1	Penile vascular anatomy for erectile dysfunction
	5	5	Testis and cord macro and micro circulation

	2	2	Pelvis anatomy in male and female and endopelvic fascia
	5	5	Perineum in male and female
	5	5	Endoscopic anatomy of ureter
	1	1	Endoscopic anatomy of the kidney
	<b>45</b>	<b>45</b>	<b>Total</b>
	<b>3</b>	<b>3</b>	<b>Credit</b>

#### 4. Teaching and Learning Methods

4.1-lectures.

4.2-Practical lessons.

4.3- Assignments for the students to empower and assess the general and transferable skills

4.4 Attending and participating in scientific conferences, workshop

#### 5. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.3-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills
5.4 Computer search assignment	-General transferable skills, intellectual skills

##### Assessment Schedule

- 1- Assessment 1: written examination week 24
- 2- Assessment 2: Structured Oral Exam week 24
- 3- Assessment of attendance & absenteeism throughout the course

##### Weighting of Assessments

Final-term written examination	50%
Structured Oral Exam	50%
Total	100%

Formative only assessments: attendance and absenteeism

#### 6. List of References

- 6.1- Essential Books (Text Books)

- Fitzgerald M.J.T. (2016): The anatomical basis of medicine and surgery. By Standing s., ELIS H., Healy J. C., Johnson D. and Williams A. Gray's Anatomy. Elsevier; London, New York. Sydney. Toronto.

#### 6.2- Recommended Books

- Stevens A. and Lowe J. S. (2015): Human histology; 5<sup>th</sup> edition; edited by Elsevier Mosby

- Colored Atlas of anatomy.

- Martini F. H., Timmons M. J. and McKinley M.P. (2015): Human anatomy; 10 edition.

- Tortora G. J. and Nielson M.T. (2016): Principles of human anatomy 14 edition; Edited by John Wiley and Sons ; United states.

- McMinn R.M.H. (2017): Lasts anatomy regional and applied chapter 7; 14 edition, edited by Longman group UK.

## **7. Facilities Required for Teaching and Learning**

Data show device for lectures.

**Course Coordinator:** Dr. Mohamed El Badry.

**Head of Department:** Dr. Mohamed El Badry.

**Date:** 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013,**Revised:**1/12/2018



# Course Specification of Pathology in MD degree in Genitourinary Surgery

Sohag University

Faculty of Medicine

1. Program on which the course is given: Postgraduate study: MD degree in Genitourinary Surgery
2. Major or minor element of program: Minor
3. Department offering the program: Genitourinary Surgery department
4. Department offering the course: Pathology
5. Academic year / Level: first part
6. Date of specification approval: Faculty council No. "317", decree No. "1533" dated 17/12/2018

## A. Basic Information

**Title:** Course Specification of Pathology in MD degree in Genitourinary Surgery

**Code:** PAT0510-300

Credit	Total	Practical	Lecture	Title
3	45		45	<b>Pathology</b>

## B. Professional Information

### 1. Overall Aims of Course

By the end of the course the post graduate students should be able to have the professional knowledge of the pathology of urological diseases.

### 2. Intended Learning Outcomes of Course (ILOs):

By the end of the According to the intended goals of the faculty

#### a) Knowledge and Understanding:

By the end of the course the student should have the ability to:

- a1. Develop understanding basis of general and systemic pathology.
- a2. Become familiar with etiology, pathogenesis and pathologic manifestation of diseases of urinary system & male genital system.
- a3. Be able to correlate gross and histopathology with the clinical basis of diseases of urinary system & male genital system.
- a4. Have sufficient information about the fate and complications and prognosis of different diseases of urinary system & male genital system.
- a5. By the end of the course the student should be able to provide core knowledge of processes affecting urological system, with an emphasis on understanding mechanisms of disease especially urinary system & male genital system.
- a6. Define and discuss the main disease categories that may affect the body (general pathology; wound healing, fluid balance, septic shock & blood transfusion).

#### b) Intellectual Skills:

By the end of the course the student should have the ability to:

1. Interpret in a professional manner a pathology report in Genitourinary Surgery.
2. Able to solve pathological problems in Genitourinary Surgery.
3. Data interpretation.

**c) Professional and Practical Skills:**

By the end of the course the student should have the ability to:

1. Identify the macroscopic and microscopic criteria of the altered structure (pathology) of the body and its major organs and systems that are seen in various diseases.
2. Identify various causes (genetic, developmental, metabolic, toxic, microbiologic, autoimmune, neoplastic, and degenerative) and mechanisms of diseases and the way through which they operate in the body (pathogenesis).
3. train junior staff though continuous medical education

**d) General and Transferable Skills:**

By the end of the course the student should have the ability to:

1. Appreciate the importance of life long learning and show a strong commitment to it.
2. Use the sources of biomedical information to remain current with the advances in knowledge and practice.
3. Write a report commenting on a pathological specimen.
4. Use data analysis and communication skills
5. Respect, be willing to work through systems, collaborate with other members of the students.
6. Be reliable and responsible in fulfilling obligations.
7. Effectively utilize various computer based instruction tools and E-learning of Pathology and utilize a variety of computer-based self assessment tools.
8. Accept the limitation in knowledge and always strive for excellence.
9. Teach others and evaluating their performance.
10. Use of different sources for information and knowledge.

**3. Course contents:**

Practical	Lecture	No. of hours	Topic
	10	10	1- <u>General Pathology:</u>
	2	2	1.1. Inflammation, wound healing & repair.
	1	1	1.2. Cell response to injury.
	1	1	1.3. Specific infectious diseases.
	2	2	1.4. Disturbances of cellular growth.
	2	2	1.5. General pathology of tumors.
	1	1	1.6. Diagnostic cytology
	15	15	2- <u>Kidney &amp; urinary passages:</u>
	2	2	2.1. Diseases of renal tubules.
	2	2	2.2. Diseases of interstitial renal tissue
	2	2	2.3. Hydronephrosis.

	2	2	2.4. Renal & bladder calculi.
	2	2	2.5. Tumors of the kidney.
	2	2	2.6. Tumors of the urinary bladder.
	3	3	2.7. Renal failure & uremia.
	15	15	3- <u>Male genital system:</u>
	3	3	3.1. Testicular tumors
	3	3	3.2. Benign prostatic hyperplasia.
	3	3	3.3. Tumors of the prostate.
	3	3	3.4. Hydrocele, varicocele & varicocele.
	3	3	3.5. Male infertility.
	<b>45</b>	<b>45</b>	<b>Total</b>
	<b>3</b>	<b>3</b>	<b>Credit</b>

#### 4. Teaching and Learning Methods

- 4.1. Lectures.
- 4.2. Gross and histopathology (Jars & slides).

#### 5. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.3-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills

#### Assessment Schedule

- 1- Assessment 1: written examination week 24
- 2- Assessment 2: Structured Oral Exam week 24
- 3- Assessment of attendance & absenteeism throughout the course

#### Weighting of Assessments

Final-term written examination	50%
Structured Oral Exam	50%
Total	100%

Formative only assessments: attendance and absenteeism

#### 6. List of References

##### 6.1- Essential Books (Text Books):

- Muir's text book of pathology, 15<sup>th</sup> edition, 2014
- Robbins pathologic basis of diseases, 10<sup>th</sup> edition, 2017

##### 6.2- Recommended Books:

- Rosi & Ackerman text book of pathology, 11<sup>th</sup> edition, 2017
- Sternberg text book of pathology, 6<sup>th</sup> edition, 2015

##### 6.3- Periodicals, websites:

American journal of pathology

Pathology journal

Human pathology journal

Web Sites: <http://www.ncbi.nlm.nih.gov/pubmed/>

**7. Facilities Required for Teaching and Learning:**

- a. Library & textbooks.
- b. Computer & data show.
- c. Internet connection.

**Course Coordinator:** Dr/Fatma El zahraa

**Head of Department:** Dr /Afaf Al -Nashar

**Date:** 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013, **Revised:**1/12/2018

# Course Specifications of Genitourinary Surgery in MD degree in Genitourinary Surgery

Sohag University

Faculty of Medicine

1. Program on which the course is given: MD degree in Genitourinary Surgery
2. Major or minor element of program: Major
3. Department offering the program: Genitourinary Surgery department
4. Department offering the course: Genitourinary Surgery department
5. Academic year / Level: second part.
6. Date of specification approval: Faculty council No. "317", decree No. "1533" dated 17/12/2018

## A. Basic Information

**Title:** Course Specifications of surgical Genitourinary Surgery in MD degree in Genitourinary Surgery

Code:URO0510-300

Credit	Total	Clinical	Practical	Lecture	Title
53	1170	390	360	420	Genitourinary Surgery

## B. Professional Information

### 1. Overall Aims of Course

By the end of the course the student should be able to have the professional knowledge anatomy and embryology of urinary system

### 2. Intended Learning Outcomes of Course (ILOs):

According to the intended goals of the faculty: the student is to be armed with professional knowledge about the anatomy of the Genitourinary Surgery system

#### a) Knowledge and understanding:

By the end of the study of doctoral program in Genitourinary Surgery the Graduate should be able to:

1. Mention the recent advances in the normal structure and function of the human Genitourinary system on the macro and micro levels.
2. Mention recent advances in the normal growth and development of the human Genitourinary system.
3. List the recent advances in the abnormal structure, function, growth and development of human Genitourinary system
4. List recent advances in the natural history of genitourinary diseases.
5. List recent advances in the causation of genitourinary diseases and their pathogenesis.

6. List the clinical picture and differential diagnosis of Genitourinary illnesses.
7. Enumerate recent advances in the common diagnostic and laboratory techniques necessary to establish diagnosis of Genitourinary illnesses.
8. Describe recent advances in the various therapeutic methods/alternatives used for Genitourinary diseases.
9. Describe recent advances in the structure, mechanism of action, advantages, disadvantages, side effects and complications of the different drugs for erectile dysfunction
10. List the principles and fundamentals of quality assurance of professional practice in the field of pediatric Genitourinary Surgery
11. Enumerate the effect of professional practice on the environment and the methods of environmental development and maintenance.

**b) Intellectual skills**

By the end of the study of doctoral program in Genitourinary Surgery the Graduate should be able to:

1. Interpret data acquired through history taking to reach a provisional diagnosis for uro-genital problems.
2. Select from different diagnostic alternatives the ones that help reaching a final diagnosis for urological problems..
3. Formulate scientific papers in the area of Genitourinary Surgery
4. Plan to improve performance in the field of Genitourinary Surgery
5. Identify uro-genital problems and find solutions..
6. Have the ability to innovate nontraditional solutions to uro-genital problems.
7. Mange Scientific discussion based on scientific evidences and proofs.

**c) Professional and practical skills:**

By the end of the study of doctoral program in Genitourinary Surgery the Graduate should be able to:

1. Master the basic and modern professional clinical and surgical skills in the area of Genitourinary Surgery
2. Evaluate and develop of methods and tools existing in the area of Genitourinary Surgery
3. Perform endoscopic and imaging evaluation of Genitourinary Surgery
4. Train junior staff though continuous medical education

**d) General and Transferable skills:**

By the end of the study of doctoral program in Genitourinary Surgery. the Graduate should be able to:

1. Present reports in seminars effectively.
2. Teach others and evaluating their performance.
3. Mange scientific meetings administration according to the available time.
4. Assess himself and identify his personal learning needs.

**5. Contents:**

clinical	Surgical	lectures	Total hours	Topic
<b>Introduction and basics for Genitourinary Surgery:</b>				

25		10	35	Urological history , examination and diagnostic techniques and urine analysis
	15	10	15	Instrumentation and endoscopy
10		10	20	Urinary tract imaging and intervention
		10	10	Physiology and pharmacology of urinary tract
<b>Urinary tract obstruction&amp; trauma:</b>				
		5	5	Urine storage and transport problems
10	10	10	30	Urinary tract obstruction : causes ,pathophysiology ,clinical picture and management
		5	5	Renovascular hypertension and other renal vascular disease
		10	10	Renovascular surgery
5	10	10	25	Genitourinary trauma
<b>Genitourinary infections:</b>				
		10	10	Infections and inflammations of the genitourinary tract
5		5	10	Prostatitis and related disorders
5		10	15	Interstitial cystitis and related disorders
10		10	20	Sexually transmitted diseases.
10		10	20	Parasitic diseases of genitourinary tract.
5		10	15	Fungal infections of genitourinary tract
5		10	15	Genitourinary tuberculosis
10		10	20	Cutaneous diseases of male external genitalia
<b>Continece and urinary control:</b>				
10		5	15	Urinary incontinence and voiding dysfunction Pathophysiology , evaluation and treatment.
10		5	15	Geriatric incontinence and voiding dysfunction.
	5	5	10	Vaginal reconstructive surgery for incontinence
<b>Renal failure and transplantation:</b>				
10		5	15	Acute renal failure
10		5	15	Chronic renal failure
		5	5	Principles of molecular genetics
		5	5	Renal physiology and pathophysiology
		5	5	Transplantation immunobiology
		10	10	Renal transplantation
<b>Urine storage transport and emptying:</b>				

		5	5	Voiding dysfunction
		5	5	Overactive bladder
	5	5	10	Slings different types
		5	5	Geriatric incontinence
	5	5	10	Urinary fistulae
<b>Male reproductive &amp; sexual function:</b>				
20	10	5	35	Erectile dysfunction : evaluation and management
20	10	5	35	Male infertility , reproductive function and dysfunction
10	10	5	25	Priapism
10	10	5	25	Peyronies disease
<b>Pediatric Genitourinary Surgery:</b>				
10	15	5	30	Normal and anomalous development of urinary tract ( PUJ anomalies, renal anomalies, anomalies of ureter,)
10		5	15	Urinary tract infections in children and infants
10	10	5	25	Exstrophy – epispadias complex
10	10	5	25	Vesicoureteric reflux
10	10	5	25	Hypospadias, posterior urethral valve
10	10	5	25	Congenital anomalies of testis and scrotum
	10	5	15	Perinatal Genitourinary Surgery
	10	5	15	Neonatal urological emergencies
10		5	51	Renal function in fetus , neonate and child
		5	5	Prune-Belly syndrome
		5	5	Cloacal malformations
		5	5	Intersexuality
10		5	15	Enuresis
<b>Urologic oncology:</b>				
		5	5	An overview of cancer biology
15	10	5	30	Renal tumors
10	10	5	25	Ureteral tumors
10	10	5	25	Bladder cancer
10	10	5	25	Neoplasms of testis
10	10	5	25	Tumours of penis
	10	5	15	Adrenal gland diseases and tumors
<b>Stones and UroGenitourinary Surgery:</b>				



15	10	10	35	Urinary lithiasis
	30	10	40	<b>EndoGenitourinary Surgery and laparoscopy</b>
				Diagnostic uretheroscopy, endoscopic dilation of stricture urethra ,VIU, stone urethra
				Diagnostic cystoscopy and TUR biopsy
				TURP& TURT
				Ureteroscopy and ureteric stenting
				PCNL
				Principles of laparoscopy
<b>Surgical skills:</b>				
				<b>Surgery of kidney and ureter</b>
	10	5	15	<b>Sharing as assistants &amp; surgeons in kidney operations</b>
				Nephrectomy (simple ,partial , secondary , radical )
				Renal stones
				Renal cysts
				Renal abscess
				Renal tumors
				PUJO
				Renal trauma
	10	5	15	<b>Sharing as assistants &amp; surgeons in ureter operations</b>
				Stone ureter (upper ,mid,lower)
				Ureteric reimplantation
				Resection anastomosis
				Ileal lobe replacement
				Ureteral tumors
				Ureteric trauma
	10	5	15	Bladder surgery ,augmentation cystoplasty, continent diversions
	10	5	15	Surgery of testicular neoplasm
				<b>Prostate :</b>
20	10	5	35	Benign prostatic hyperplasia:
20	10	5	35	Cancer prostate and radical prostatectomy
				<b>Miscellaneous:</b>
		5	5	Renal hypertension

	10	5	20	Urinary diversions
	15	5	20	Surgery of seminal vesicles, penis and urethra
	10	5	15	Bladder and urethral diverticulae
<b>390</b>	<b>360</b>	<b>420</b>	<b>1170</b>	<b>Total</b>
<b>13</b>	<b>12</b>	<b>28</b>	<b>53</b>	<b>Credit</b>

#### 4. Teaching and Learning Methods:

- 4.1- Lectures.
- 4.2- Clinical cases
- 4.3- Surgical lessons
- 4.4- Attending and participating in scientific conferences, workshops, and group discussion to acquire the general and transferable skills needed.
- 4.5- Assignments for the students to empower and assess the general and transferable skills

#### 5. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2- Log book	- General transferable skills
5.3-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.4-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills
5.5-OSCE	-Practical skills, intellectual skills General transferable skills
5.6 assignment	-General transferable skills, intellectual skills

#### Assessment Schedule

Assessment 1.... log book (formative exam)	Week: 80
Assessment 2.... Final written exam ....	Week: 96
Assessment 3..... OSCE .....	Week: 96
Assessment 4 ... Structured Oral Exam ....	Week:96

#### Weighting of Assessments

Final Written Examination.	Separate exam.
Passing in the written exam is a condition to attend the following exams:	
Structured Oral Exam.	50 %
OSCE	50 %

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Total 100%

Formative only assessment: simple research assignment, log book, attendance and absenteeism.

#### 6. List of References

**books:**

Essential Books (Text Books): Campbell-Walsh Genitourinary Surgery 2016  
- Recommended Books: Adult & pediatric Genitourinary Surgery(2012)

**Periodicals**

North American book of Genitourinary Surgery 2010

European journal of Genitourinary Surgery

**- Important web sites**

<http://www.ncbi.nlm.nih.gov/>

**7. Facilities Required for Teaching and Learning**

- 1 Adequate infra structures: including: teaching places (teaching classes, teaching halls, teaching museum, illustrative images), comfortable disks, good source of aeration, good illumination, and safety and security methods.
- 2 Teaching tools: including screens, computers, data show, projectors, white boards, video players, digital video camera

**Course Coordinator:** Dr. Ahmed Mahmoud Reyad

**Head of department:** Prof. Atef Galal

**Date:** 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013, **Revised:**1/12/2018