



إعتماد توصيف مقررات برنامج الدبلوم فى جراحة المسالك البولية

والتناسلية

نقر نحن الموقعون على هذا أدناه أن توصيف وثيقة البرنامج التعليمى لدرجة الدبلوم فى جراحة المسالك البولية والتناسلية والمقررات الدراسية المكونة له قد تم وضعها بمعرفة الأقسام

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عبد الكلية

وكيل الكلية للدراسات العليا



Peer Revision

Date of Revision	University	Reviewers
١٠/١٢/٢٠١١	Cairo	- Prof. Dawlat Salem
٢٨/١١/٢٠١١	Mansura	- Prof. Ahmad K. Mansur

Program Specification for Diploma Degree of Genitourinary Surgery

Sohag University

Faculty of medicine

A Basic Information

- ١ Program title: diploma degree in Genitourinary Surgery
- ٢ Program Type; single
- ٣ Faculty: Faculty of Medicine
- ٤ Department : Genitourinary Surgery
- ٥ Coordinator: Professor Dr /Atef Galal .
- ٦ Assistant coordinator: Dr Mohammed Saber Khalaf,
- ٧ External Evaluator(s) Prof. Dr. Mohammed Abd elmaliek.....
- ٨ Last date of program specifications approval: Faculty council No. "٢٥٠", decree No. "١٣٧٨" dated ٢٨/١٢/٢٠١٣.

B Professional Information

١ Program Aims:

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

- ١ Scientific knowledge essential for the practice of Genitourinary Surgery according to the international standards.
- ٢ Skills necessary for proper diagnosis and management of patients in field of Genitourinary Surgery including diagnostic, decision making and problem solving and operative skills.
- ٣ Ethical principles related to medical practice in this highly sensitive specialty.
- ٤ Active participation in community needs management and problems solving
- ٥ Maintenance of abilities necessary for continuous medical education.

٢ Attributes of the student:

- ٣ Application of the specific knowledge gained during practice of Genitourinary Surgery.
 ١. Identification of professional problems in this specialty and suggest solutions for them.
 ٢. Mastering professional skills and usage of suitable technologies in practice of Genitourinary Surgery.
 ٣. Ability to efficiently communicate and lead team works throughout organized professional work.
 ٤. Decision making at the lights of the available information.

- . Perfect utilization of available resources.
- ٦. Awareness of his role in community development and maintain good environment.
- ٧. Reflects the commitment to act with integrity, credibility and professional norms and accountability.
- ٨. Recognize the need to develop himself and to engage in continuous learning

٤ Program Intended Learning Outcomes (ILOs)

a) Knowledge and Understanding:

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

- ١. Mention the normal structure and function of the human Genitourinary Surgery system on the macro and micro levels.
- ٢. Mention the normal growth and development of the human Genitourinary Surgery system.
- ٣. List the abnormal structure, function, growth and development of human Genitourinary Surgery system
- ٤. Mention the natural history of Genitourinary Surgery diseases.
- ٥. Describe the causation of Genitourinary Surgery diseases and their pathogenesis.
- ٦. List the clinical picture of Genitourinary Surgery illnesses.
- ٧. Enumerate the common diagnostic and laboratory techniques necessary to establish diagnosis of Genitourinary Surgery illnesses.
- ٨. Mention the various therapeutic methods/alternatives used for Genitourinary Surgery diseases.
- ٩. Mention the structure, mechanism of action, advantages, disadvantages, side effects and complications of the different drugs for erectile dysfunction
- ١٠. Mention scientific development in the field of Genitourinary Surgery
- ١١. Mention the principles of ethics and legal aspects of professional practice in the field of Genitourinary Surgery
- ١٢. Mention the principles of quality assurance of professional practice in the field of Genitourinary Surgery
- ١٣. Enumerate the effect of professional practice on the environment and the methods of environmental development and maintenance.
- ١٤. List the basic, and ethics of scientific research

b) Intellectual Skills

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

- ١. Interpret data acquired through history taking to reach a provisional diagnosis for Genitourinary Surgery problems.
- ٢. Select from different diagnostic alternatives the ones that help reaching a final

diagnosis for urological problems..

- ϣ. link between knowledge for professional problems solving.
- ξ. Conduct research study and / or write a scientific study on a research problem.
- ο. Assess risk in professional practices in the field of Genitourinary Surgery
- ϒ. Plan to improve performance in the field of Genitourinary Surgery
- ϣ. Identify Genitourinary Surgery problems and find solutions.
- Ϡ. Analyze researches related to the field of Genitourinary Surgery.

c) Professional and Practical Skills

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

- ϑ. Master of the basic and modern professional skills in the area of Genitourinary Surgery.
- ϒ. Write and evaluate urological reports.
- ϣ. Assess methods and tools existing in the area of Genitourinary Surgery

d) General and Transferable Skills

By the end of the study of master program in Genitourinary Surgery the Graduate should be capable of

- ϑ. Communicate effectively by all types of effective communication.
- ϒ. Use information technology to serve the development of professional practice
- ϣ. Assess himself and identify his personal needs.
- ξ. The use of different sources to obtain information and knowledge.
- ο. Develop rules and indicators for assessing the performance of others.
- ϒ. Work in a team, and team's leadership in various professional contexts.
- ϣ. Manage time efficiently.
- Ϡ. Learn himself continuously

ο Academic Standards

Suggested NARS-based ARS

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.ϒ⊗ξ, in its session NO.ϑϣϣ dated ϑ⊗/ο/ϣ⊗⊗⊗ based on these NARS: Acadimec reference standard (ARS) were revised by external evaluator suggested for this program. These ARS were approved by the faculty council decree NO, ϣ⊗ϣ⊗, in its session NO.ϑ⊗ϑ, dated ϑ⊗-ϣ-ϣ⊗⊗⊗. The adoption of NARS and the suggested ARS were approved by University council degree No ο⊗ϣ, in its session No.ϒ⊗. dated ϣϒ-ϑϣ-ϣ⊗⊗⊗.

ϒ Curriculum Structure and Contents

ο.a- Program duration...ϣ semester (ϑ,ο years)

ο.b- Program structure

hours /week			
Clinical	Practical\ surgical	Lectures	Subject
<u>First Part:</u>			
	ξ	ϣ	Surgical anatomy

	ε	ζ	Surgical Pathology
	υ	ι	Biostatistics
Second Part:			
ζ		υ	
ο	ο	ζ	

code	Item	No	%	
		Compulsory	30	100
		Elective	0	0
		Optional	0	0
b.iii	credit hours of basic sciences courses	10	28,0	
b.iv	credit hours of courses of social sciences and humanities	0	0	
b.v	credit hours of specialized courses:	19	54,2	
b.vi	credit hours of other course	9	25,7	
b.viii	Program Levels (in credit-hours system):			
	Level 1: 1 st part	12	34,2	
	Level 2: 2 nd Part	23	65,8	

✓ Program Courses

9 courses are compulsory

6,1 - Level/Year of Program: 1st part semester 1

a. Compulsory

	No. of hours /week				
	Clinical	Practical\ surgical	Lect.		
a1-a2-b3-c1-d4-d5		ε	ζ	ο	Surgical anatomy
a1-a3-a4-a5-b2-b3-b4-c2-d4-d5-d6		ε	ζ	ο	Surgical Pathology
a1ο, b3, c1, d3		υ	ι	υ	Biostatistic

Second Part:

6,1 - Level/Year of Program: 2nd part semester 2,3

	No. of hours /week				
	Clinical	Practical\ surgical	Lect.		
a1-a2-a3-a4-a5-a6-a7-a8-a9-a10-a11-a12-a13-a14-b1-b2-b3-b4-b5-b6-b7-b8-c1-c2-c3-d1-d2-d3-d4-d5-d6-d7-d8	ο	ο	ζ	16	Surgical Genitourinary Surgery curriculum
a1-b1-b2-c1-d3-d4-d5-d6-d7-d8	ζ		υ	υ	General surgery

٦,٧ Repeat for all higher years/semesters /levels

٨ Program Admission Requirements

I. General Requirement

- a Candidates should have either:
 ١. MBBCh Degree from any Egyptian Faculty of Medicine or
 ٢. Equivalent Degree from Medical Schools abroad approved by the Ministry of Higher Education.
- b Candidates should complete the house officer training year
- c Follow postgraduate regulatory rules of Sohag Faculty of Medicine.

٩ Regulations for Progression and Program Completion

Duration of program is ٧ semesters (١,٥ years), starting from registration till the ٧nd part; divided to:

First Part: (≥٦ months=١ semester):

- ١ Program-related basic sciences
- ٢ At least six months after registration should pass before the student can ask for examination in the ١st part.
- ٣ Two sets of exams: ١st in April — ٢nd in October.
- ٤ For the student to pass the first part exam, a score of at least ٦٠% in each curriculum is needed.(with at least ٤٠% of the written exam)
- ٥ Those who fail in one curriculum need to re-exam it only.

Second Part: (≥١٢ months=٢ semester):

- ١ Program related specialized science of Genitourinary Surgery Courses .
- ٢ After passing ١٢ ms training in the University hospital in the department of Genitourinary Surgery.
- ٣ The student should pass the ١st part before asking for examination ٢nd part
- ٤ Two sets of exams: ١st in April — ٢nd in October.
- ٥ For the student to pass the second part exam, a score of at least ٦٠% is needed.(with at least ٦٠% of the written exam and ٥٠ % of the oral , clinical and practical exams.)

٦ Methods of student assessments:

Method of assessment	The assessed ILOs
١-Research assignment	- General transferable skills, intellectual skills
٢-Written Exam: -Short essay: ٤٠% -structured questions: ٢٥% -MCQs: ٢٠% -Commentary, Problem solving: ١٥%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills
٣-OSCE	-Practical skills, intellectual skills, general transferable skills
٤-Structured Oral Exam	- Knowledge, Intellectual skills, General

	transferable skills
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Assessment schedule:

Part I:

- Surgical Anatomy: Written Exam (3 hours) + structured oral Exam.
- Surgical Pathology: Written Exam (3 hours) + structured oral Exam.
- Biostatistics: Written Exam (3 hours) + structured oral Exam.

Part II:

- General Surgical: Written Exam (3 hours) + structured oral Exam.
- Surgical Genitourinary Surgery: Two Written Exam (3 hours for each) + OSCE + Structured oral Exam.

11 Evaluation of Program Intended Learning Outcomes

Sample	Tool	Evaluator
1.	questionnaire	1- Senior students
1.	questionnaire	2- Alumni
2.	questionnaire	3- Stakeholders (Employers)
1	report	4-External Evaluator(s) (External Examiner(s))
		5- Other

Course Specifications of Human Anatomy & Embryology Human Anatomy & Embryology in Diploma degree in Genitourinary Surgery

sohag University

Faculty of Medicine

١. Program on which the course is given: Diploma degree in Genitourinary Surgery.
٢. Minor element of program.
٣. Department offering the program: Genitourinary Surgery department
٤. Department offering the course: Human Anatomy & Embryology.
٥. Academic year / Level first part
٦. Date of specification approval: Faculty council No. "٢٥٠", decree No. "١٣٧٨" dated ٢٨/١٢/٢٠١٣

A. Basic Information

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

Code:ANA٠٥١٠-١٠٠

Credit hours	Total hour	Tutorials/ Clinical	Practical/Surgical	Lectures
٥	١٠٥	-	٦٠	٤٥

B. Professional Information

١. 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 and male genital systems.

٢. 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

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

a) Knowledge and understanding

١. Mention the normal structure and function of the human uro-genital system on the macro level .
٢. Mention the normal growth and development of the human uro-genital system.

b) Intellectual Skills

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

١. Link between knowledge for Professional problems solving.

c) Professional and practical skills

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

١. Master the basic and modern surgical skills in the area of Genitourinary Surgery

d) General and Transferable Skills

By the end of the study of the program the graduate should be able to:

١. Use information technology to serve the development of professional practice
٢. Assess himself and identify personal learning needs.

٣. **Contents:**

Practical	Lecture	No. of hours	Topic
٥	٣	٨	Development & congenital anomalies of upper urinary tract
٥	٣	٨	Development& congenital anomalies of lower urinary tract
٦	٤	١٠	Surgical anatomy for renal exploration
٦	٤	١٠	Ureteral anatomy in relation to pelvic surgery and its vascular supply
٦	٤	١٠	Anatomy of anterior wall and hernia repair
٥	٤	٩	Anatomy of posterior abdominal wall
٥	٤	٩	Penile vascular anatomy for erectile dysfunction
٥	٤	٩	Testis and cord macro and micro circulation
٥	٤	٩	Pelvis anatomy in male and female and endopelvic fascia
٥	٤	٩	Perineum in male and female
٤	٤	٨	Endoscopic anatomy of ureter
٣	٣	٦	Endoscopic anatomy of the kidney
٦٠	٤٥	١٠٥	Total
٢	٣	٥	Credit

٤. **Teaching and Learning Methods**

٤,١-lectures.

٤,٢-practical lessons.

٤,٣- Assignments for the students to empower and assess the general and transferable skills

٥. **Student Assessment Methods**

Method of assessment	The assessed ILOs
٥,١- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
٥,٢-Written Exam: -Short essay: ٤٠% -structured questions: ٢٥% -MCQs: ٢٠% -Commentary, Problem solving: ١٥%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
٥,٣-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills

Assessment Schedule

١- Assessment ١: written examination week ٢٤

٢- Assessment ٢: Structured Oral Exam week ٢٤

٣- 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

٦. List of References

٦١- Essential Books (Text Books)

Gray's Anatomy

٦٢- Recommended Books

A colored Atlas of Human anatomy and Embryology.

٦٣- Periodicals, Web Sites, ... etc

American J. of Anatomy

Cochrane Library, Medline & Popline

٧. Facilities Required for teaching and learning.

- a. Adequate infrastructure: including teaching places (teaching class, teaching halls, teaching laboratory), Comfortable desks, good source of aeration, bathrooms, good illumination, safety & Security tools.
- b. Teaching Tools: including screens, Computer including cd(rw), data shows, Projectors, flip charts, white board, video player, digital video camera, Scanner, copier, colour and laser printers.
- c. Computer Program: for designing and evaluating MCQs

Course Coordinator: Dr. Salwaa M. Ouies

Head of Department: Dr. Mohamed A. Eldsoky.

Date: ١٨/١٢/٢٠١١, **Revised:** ١/٩/٢٠١٢, **Revised:** ١/١٢/٢٠١٣

Course Specifications of Pathology in Diploma degree in Genitourinary Surgery

sohag University

Faculty of Medicine

١. Program on which the course is given: Diploma degree in Genitourinary Surgery.
٢. Minor element of program.
٣. Department offering the program: Genitourinary Surgery department
٤. Department offering the course: Pathology.
٥. Academic year / Level first part
٦. Date of specification approval: Faculty council No. "٢٥٠", decree No. "١٣٧٨" dated ٢٨/١٢/٢٠١٣

A. Basic Information

Title: Course Specifications of Pathology in Diploma degree in Genitourinary Surgery

Code: PAT.٥١٠.١٠٠

Credit hours	Total hour	Tutorials/Clinical	Practical/Surgical	Lectures
٥	١٠٥	-	٦٠	٤٥

B. Professional Information

١. 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 medical diseases affecting genitourinary system.

٢. 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

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

a) Knowledge and Understanding:

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

- a١. Develop understanding basis of general and systemic pathology.
- a٢. Become familiar with etiology, pathogenesis and pathologic manifestation of diseases of urinary system & male genital system.
- a٣. Be able to correlate gross and histopathology with the clinical basis of diseases of urinary system & male genital system.
- a٤. Have sufficient information about the fate and complications and prognosis of different diseases of urinary system & male genital system.
- a٥. By the end of the course the student should be able to provide core knowledge of processes affecting urological system system, with an emphasis on understanding mechanisms of disease especially urinary system & male genital system.
- a٦. 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:

- b\). Interpret in a professional manner a pathology report in Genitourinary Surgery.
- bʸ. Able to solve pathological problems in Genitourinary Surgery.
- bʸ. Data interpretation

c) Professional and Practical Skills:

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

- ١. 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.
- ٢. 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).

d) General and Transferable Skills:

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

- ١. Appreciate the importance of lifelong learning and show a strong commitment to it.
- ٢. Use the sources of biomedical information to remain current with the advances in knowledge and practice.
- ٣. Write a report commenting on a pathological specimen.
- ٤. Use data analysis and communication skills
- ٥. Respect, be willing to work through systems, collaborate with other members of the students.
- ٦. Be reliable and responsible in fulfilling obligations.
- ٧. Effectively utilize various computer based instruction tools and E-learning of Pathology and utilize a variety of computer-based self assessment tools.
- ٨. Accept the limitation in knowledge and always strive for excellence.

٣. Contents:

Practical	Lecture	No. of hours	Topic
٢٠	١٠	٣٠	١- <u>General Pathology:</u>
٣	٢	٥	١,١. Inflammation, wound healing & repair.
٣	٢	٥	١,٢. Cell response to injury.
٣	٢	٥	١,٣. Specific infectious diseases.
٣	٢	٥	١,٤. Disturbances of cellular growth.
٤	١	٥	١,٥. General pathology of tumors.
٤	١	٥	١,٦. Diagnostic cytology
٢٠	٢٠	٤٠	٢- <u>Kidney & urinary passages:</u>
٣	٣	٦	٢,١. Diseases of renal tubules.
٣	٣	٦	٢,٢. Diseases of interstitial renal tissue
٣	٣	٦	٢,٣. Hydronephrosis.

3	3	6	2,4. Renal & bladder calculi.
3	3	6	2,5. Tumors of the kidney.
3	3	6	2,6. Tumors of the urinary bladder.
2	2	4	2,7. Renal failure & uremia.
20	20	14	3- <u>Male genital system:</u>
4	4	8	3,1. Testicular tumors
4	4	8	3,2. Benign prostatic hyperplasia.
4	4	8	3,3. Tumors of the prostate.
4	4	8	3,4. Hydrocele, varicocele & varicocele.
4	4	8	3,5. Male infertility.
60	40	100	Total
2	3	0	Credit

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

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: 20% -MCQs: 20% -Commentary, Problem solving: 10%	- 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):

1 Muir's text book of pathology.2008

2 Robbins pathologic basis of diseases.2010

6,2- Recommended Books:

3 Rosi &Ackerman text book of pathology.2000

ξ Sternberg text book of pathology. ٢٠٠٨

٦,٣- Periodicals, American journal of pathology

Human pathology

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

٧. **Facilities Required for teaching and learning.**

- a. Adequate infrastructure: including teaching places (teaching class, teaching halls, teaching laboratory), Comfortable desks, good source of aeration, bathrooms, good illumination, safety & Security tools.
- b. Teaching Tools: including screens, Computer including cd(rw), data shows, Projectors, flip charts, white board, video player, digital video camera, Scanner, copier, colour and laser printers.
- c. Computer Program: for designing and evaluating MCQs

Course Coordinator: Dr/ Fatma Elzahraa

Head of Department: Dr/Eman Mohamed Salah El Deen

Date: ١٨/١٢/٢٠١١, **Revised:** ١/٩/٢٠١٢, **Revised:** ١/١٢/٢٠١٣

Course Specification of Biostatistics in Diploma Degree of Genitourinary Surgery

Sohag University

Faculty of Medicine

١. Program on which the course is given: Diploma Degree of Genitourinary Surgery
٢. Major or minor element of program: minor
٣. Department offering the program: Genitourinary Surgery
٤. Department offering the course: Public Health and community medicine department.
٥. Academic year/ Level: first part
٦. Date of specification approval: Faculty council No. "٢٥٠", decree No. "١٣٧٨" dated ٢٨/١٢/٢٠١٣

A. Basic Information

Program title Course Specification of medical Biostatistics in Diploma degree in Genitourinary Surgery

Total credit hours :	Total:	Practical:	Lectures	Course
٢ hrs	٤٥	٣٠	١٥ hrs	Medical Biostatistics

Code: COM ٠٥١٠٠١٠٠

B. Professional Information

١. Overall Aims of Course

To develop a graduate who will apply the knowledge and skills learned, and is able to utilize the basics of medical statistics in his career and research

٢. 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 is expected to practice the following:

١. Define the screening tests pertinent to selected diseases and the at-risk approach in the application of screening tests
٢. Explain the usefulness of screening tests, and calculate sensitivity, specificity, and predictive values Define terms of research methodology

b) Intellectual Skills

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

١. Identify and collect data variables impacting health and disease
٢. Assess risk in professional practices in the field of Chest Diseases and Tuberculosis.
٣. Analyze research and issues related to the Chest Diseases and Tuberculosis

c) Professional and Practical Skills:

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

١. Perform community diagnosis
٢. Conduct Social & Health Surveys
٣. Diagnose an epidemic

d) General and Transferable Skills

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

١. Use different sources to obtain information and knowledge.
٢. Work coherently and successfully as a part of a team and team's leadership.
٣. Use different sources to obtain information and knowledge and collect data

٤. Course Contents:

Practical	Lecture	No. of hours	Topic
٣.	١٥		Methodology & statistics Terminology and rationale Data collection Types of Data Tabulation of data Graphical presentation of data Measures of central tendency Measures of dispersion Normal distribution curves International classification of diseases International death certificate Study design: Cross sectional study and the prevalence rate Cohort study, incidence rate, relative & attributable risk Case-control study, Odd's ratio Sampling Investigation of an epidemic, the attack rates
٣.	١٥	٤٥	Total
١	١	٢	Credit

٤. Teaching and Learning Methods:

- ٤,١. Lectures.
- ٤,٢ practical sessions
- ٤,٣- Computer search assignments

٥. Student Assessment Methods

Method of assessment	The assessed ILOs
٥,١- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills

٥,٢-Written Exam: -Short essay: ٤٠% -structured questions: ٢٥% -MCQs: ٢٠% -Commentary, Problem solving: ١٥%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
٥,٣-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills
٥,٤ Computer search assignment	-General transferable skills, intellectual skills

Assessment Schedule

Assessment ١. Written examination	٢٤week
Assessment ٢. Structured Oral Exam	٢٤week
Assessment ٣. Attendance and absenteeism	

Weighting of Assessments

Final-term Written Examination	٥٠ %
Structured Oral Examination	٥٠ %
Total	١٠٠%

Formative only assessments: attendance and absenteeism and Computer search assignments

٦. List of References

- ٦,١- Epidemiology in medical practice, ٥th edition. Churchill Livingstone. New York, London and Tokyo, ٢٠٠٣.
- ٦,٢- Periodicals, Web Sites etc
 - ١-American Journal of Epidemiology
 - ٢-British Journal of Epidemiology and Community Health
 - ٣- WWW. CDC and WHO sites

٧. Facilities Required for Teaching and Learning

- ١-Adequate infrastructure: including teaching places (teaching class), comfortable desks, good source of aeration, bathrooms, good illumination and safety and security
- ٢-Teaching tools: including screens, computers data shows, projectors, flip charts, white board, video player, digital video camera, scanner, copier, color and laser printers

Course Coordinator: Dr. Ahmed Fathy Hammed

Head of Department: Prof. Eman Abd El-Baset Mohammed

Date: ١٨/١٢/٢٠١١, Revised: ١/٩/٢٠١٢, Revised: ١/١٢/٢٠١٣

Course Specification of General Surgery in Diploma degree in Genitourinary Surgery

University... Sohag

Faculty ...Medicine

١. Program on which the course is given: Diploma degree in Genitourinary Surgery
٢. Major or minor element of program: Minor
٣. Department offering the program: Genitourinary Surgery.
٤. Department offering the course: General Surgery departement
٥. Academic year / Level: ٢nd second part
٦. Date of specification approval: Faculty council No. "٢٥٠", decree No. "١٣٧٨" dated ٢٨/١٢/٢٠١٣

A. Basic Information

Title: Course Specification of General Surgery in Diploma degree in Genitourinary Surgery

Code: GEN٠٥١٠-١٠٠

Lecture	Practical	Clinical	Total	Credit
٦٠		٩٠	١٥٠	٧

B. Professional Information

١. Overall Aims of Course

By the end of the course of General Surgery, the candidate should be able to:

- ١ Deal with common surgical conditions on the basis of adequate history taking, physical examination interpretation of relevant investigations and management.
- ٢ Deal with acute surgical emergencies safely.
- ٣ Identify the indications and logistics of referring patients to higher levels of experience or specialization.

٢. Intended Learning Outcomes of Course (ILOs)

e) Knowledge and Understanding:

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

١. Mention the natural history of genito-urinary problems that are related to the General Surgery practice.
٢. Mention the various diagnostic and laboratory techniques necessary to establish diagnosis of various genito-urinary illnesses that need surgical intervention.

f) Intellectual Skills:

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

١. Integrate data acquired through history taking to reach a provisional

diagnosis for various Genitourinary Surgery problems that are related to General Surgery.

٢. Link between knowledge of General Surgery for Professional problems' solving.

g) Professional and Practical Skills:

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

١. Perform physical examination of patients for Genitourinary Surgery problems that are related to General Surgery.
٢. Master the basic modern general surgical skills.

h) General and Transferable Skills

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

١. Use information technology of general surgery to serve the development of professional practice.
٢. Learn himself continuously the general surgical principles that serve his profession.

٣. Contents:

clinical	lectures	No. of hours	Topic
			<u>A) General:</u>
٢	١	٣	Antibiotics
٢	١	٣	Haemorrhage
٢	١	٣	Anuria
٢	١	٣	Shock
٢	١	٣	Blood transfusion
٣	٣	٦	Fluid and electrolyte balance
٢	١	٣	Wound healing
٢	١	٣	Suture materials
٥	٣	٨	Abdominal incisions
٥	٣	٨	Postoperative complications
٥	٣	٨	Injuries of intra-abdominal structures
٥	٣	٨	Intestinal obstruction
٥	٣	٨	Polytraumatized patient.
٢	٢	٤	DVT & pulmonary embolism
٢	٢	٤	parathyroid gland

<u>B) Special</u>			
०	३	८	Hernia (incisional, femoral, umbilical & para-umbilical hernias,).
०	३	८	D.D. of Acute abdomen
०	३	८	D.D. of Inguino-scrotal swelling
२	१	३	Acute scrotum
२	१	३	Varicocele
२	१	३	Hydrocele
०	३	८	D.D. of Abdominal mass
०	३	८	colonic & small intestine surgery (२ Hrs).
०	३	८	Abdominal trauma (१ Hr)..
०	३	८	Fecal fistula (१ Hr)..
३	३	६	colostomy (१ Hr).
१०.	६०.	१००.	Total
३	४	७	Credit

II- CLINICAL २hours/week (१० Hrs):

- History taking, conducting clinical examination, diagnosing & suggesting investigations in different surgical patients specially those with abdominal masses, , DVT & hernias AND DISCUSSING THESE CASES WITH STAFF MEMBERS IN DUTY.

-Sharing in pre-operative preparation of surgical patients.

-Observing post-operative patients in the department of surgery & sharing in their management.

-Studying surgical instruments, jars , suture materials & x-rays.

४. Teaching and Learning Methods:

४,१- Lectures

४,२- Clinical lessons

४,३- Assignment

०. Student Assessment Methods:

Method of assessment	The assessed ILOs
०,१- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
०,२-Written Exam: -Short essay: ४०% -structured questions: २०% -MCQs: २०% -Commentary, Problem solving: १०%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
०,३-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills

Assessment Schedule

- ١- Assessment ١: written examination week ٢٤
 ٢- Assessment ٢: Structured Oral Exam week ٢٤
 ٣- Assessment of attendance & absenteeism throughout the course

Weighting of Assessments

Final-term written examination	٥٠ %
Structured Oral Exam	٥٠ %
Total	١٠٠%

Formative only assessments: attendance and absenteeism

Formative only assessment: simple research assignment, attendance and absenteeism

٦. List of References:

٦,١- Essential Books (Text Books)

Principles of General Surgery, prof. Nawara, ٢٠٠٢

٦,٢- Recommended Books

Bailey & Love textbook of Surgery, ١٩٨٧

٦,٣- Periodicals, Web Sites, ... etc

International Journal of General Surgery

American Journal of General Surgery

٧. Facilities Required for Teaching and Learning

- Lecture rooms
- Round rooms
- Accessibility to hospital wards, clinics and emergency department
- Audio-visual teaching equipments (computers, data show projector, video, etc.)
- Models and mannequins
- Video tapes and scientific pictures archives.
- Radiology collections and archives.
- Library for the department.

Course Coordinator: Prof. Nabil Yusef Abo El Dahab

Head of Department: Prof. Alaa El-Dean Hassan

Date: ١٨/١٢/٢٠١١, **Revised:** ١/٩/٢٠١٢, **Revised:** ١/١٢/٢٠١٣

Course Specifications of Genitourinary Surgery Diploma Degree of Genitourinary Surgery (second part)

University... Sohag

Faculty ...Medicine

١. Program on which the course is given: Surgical anatomy, descriptive anatomy and applied anatomy of urinary system development of urinary system.
٢. Minor element of program.
٣. Department offering the program: Genitourinary Surgery department
٤. Department offering the course: Genitourinary Surgery
٥. Academic year / Level: post graduate.
٦. Date of specification approval: Faculty council No. "٢٥٠", decree No. "١٣٧٨" dated ٢٨/١٢/٢٠١٣

A. Basic Information

Title: Course Specifications of Genitourinary Surgery

Code: URO ٠٥١٠-١٠٠

Credit	hours /week			Subject
	Clinical	Practical\ surgical	Lectures	
١٦	١٥٠	١٥٠	٩٠	Surgical Genitourinary Surgery

B. Professional Information

١. 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 medical diseases.

According to the intended goals of the faculty

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

- ١ Deal with common surgical urological and male genital conditions on the basis of adequate history taking, physical examination interpretation of relevant supportive investigations and management.
- ٢ Deal with acute urological emergencies safely and effectively.
- ٣ Identify the indications and logistics of referring patients to higher levels of experience or specialization.
- ٤ Perceive and integrate progress in surgical urological technology.

٢. Intended Learning Outcomes of Course (ILOs):

a) Knowledge and Understanding:

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

١. Describe the natural history of Genitourinary Surgery problems.
٢. Mention the various diagnostic and laboratory techniques necessary to establish diagnosis of various Genitourinary Surgery illnesses that need surgical intervention.

b) Intellectual Skills:

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

١. Integrate data acquired through history taking to reach a provisional diagnosis for various Genitourinary Surgery problems
٢. Link between knowledge of Genitourinary Surgery for Professional problems' solving.

c) Professional and Practical Skills:

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

١. Perform physical examination of patients for Genitourinary Surgery problems.
٢. Perform different surgical urological operations for treating kidney, ureter and bladder problems
٣. Perform different endo urologic problems either diagnostic or therapeutic

d) General and Transferable Skills

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

- d.١- Use information technology of Genitourinary Surgery to serve the development of professional practice

٣. Course contents:

Clinical	Practical\ surgical	Lectures	No. of hours	Topic
				Introduction and basics for Genitourinary Surgery:
٣	٣	٢	٨	Urological history , examination and diagnostic techniques and urine analysis
٣	٣	٢	٨	Instrumentation and endoscopy
٣	٣	٢	٨	Urinary tract imaging and intervention
		٢	٢	Physiology and pharmacology of urinary tract
				Urinary tract obstruction& trauma:
٣	٣	٢	٨	Urine storage and transport problems
٣	٣	٢	٨	Urinary tract obstruction : causes ,pathophysiology ,clinical picture and management
٣	٣	٢	٨	Renovascular hypertension and other

				renal vascular disease
۳	۳	۲	∧	Genitourinary trauma
۳	۳			Genitourinary infections:
۳	۳	۲	∧	Infections and inflammations of the genitourinary tract
۳	۳	۲	∧	Prostatitis and related disorders
۳	۳	۲	∧	Interstitial cystitis and related disorders
۳	۳	۲	∧	Sexually transmitted diseases.
		۲	۲	Parasitic diseases of genitourinary tract.
		۲	۲	Fungal infections of genitourinary tract
		۲	۲	Genitourinary tuberculosis
۳	۳	۲	∧	Cutaneous diseases of male external genitalia
Continence and urinary control:				
		۲	۲	Urinary incontinence and voiding dysfunction. Pathophysiology , evaluation and treatment.
۳	۳	۲	∧	Vaginal reconstructive surgery for incontinence
				Renal failure and transplantation:
۳	۳	۲	∧	Acute renal failure
۳	۳	۲	∧	Chronic renal failure
۳	۳	۲	∧	Renal physiology and pathophysiology
۳	۳	۲	∧	Renal transplantation
				Urine storage transport and emptying:
۳	۳	۲	∧	Voiding dysfunction
۳	۳	۲	∧	Overactive bladder
۳	۳	۲	∧	Slings different types
۳	۳	۲	∧	Urinary fistulae
				Male reproductive & sexual function:
۳		۲	○	Erectile dysfunction : evaluation and management
۳	۳	۲	∧	Male infertility , reproductive function and dysfunction
۳	۳	۲	∧	Priapism
۳	۳		∧	Pediatric Genitourinary Surgery:
۳	۳	۲	∧	Normal and anomalous development of urinary tract (PUJ anomalies, renal anomalies, anomalies of ureter,)
۳	۳	۲	∧	Urinary tract infections in children and infants
۳	۳	۲	∧	Exstrophy – epispadias complex
۳	۳	۲	∧	Vesicoureteric reflux
۳	۳	۲	∧	Hypospadias, posterior urethral valve

۳	۳	۲	۸	Congenital anomalies of testis and scrotum
۳	۳	۲	۸	Neonatal urological emergencies
۳	۳	۲	۸	Enuresis
۳	۳		۶	Urologic oncology:
۳	۳	۲	۸	Renal tumors
۳	۳	۲	۸	Ureteral tumors
۳	۳	۱	۷	Bladder cancer
۳	۳	۱	۷	Neoplasms of testis
				Stones and EndoGenitourinary Surgery:
۳	۴	۱	۸	Urinary lithiasis
۴	۴	۱	۹	EndoGenitourinary Surgery and laparoscopy
				Surgical skills:
۴	۴	۱	۹	Surgery of kidney and ureter
۴	۴	۱	۹	Bladder surgery, augmentation cystoplasty, continent diversions
۴	۴	۱	۹	Surgery of testicular neoplasm
۴	۴			Prostate :
۴	۴	۱	۹	Benign prostatic hyperplasia:
۴	۴	۱	۹	Cancer prostate and radical prostatectomy
				Miscellaneous:
		۱	۱	Renal hypertension
۴	۴	۲	۱۰	Urinary diversions
۱۰۰	۱۰۰	۹۰	۳۹۰	Total
۵	۵	۶	۱۶	Credit

II- CLINICAL (۴۰ Hrs):

- ۱) History taking, conducting clinical examination, diagnosing & suggesting investigations in different urological patients AND DISCUSSING THESE CASES WITH STAFF MEMBERS IN DUTY.
- ۲) Sharing in pre-operative preparation of Genitourinary Surgery patients.
- ۳) Observing post-operative patients in the department of Genitourinary Surgery & sharing in their management.
- ۴) Studying surgical instruments, jars , suture materials & x-rays.

III- SURGICAL (۴۰ Hrs):

The candidates should share in surgical lists in the department of Genitourinary Surgery as assistants & surgeons, and be trained on performing abdominal incisions, closing the abdominal wound, doing some operations like (cystolithotomy, varicocelectomy, hydrocelectomy , prostatectomy, expeploration upper and lower ureter and others) They should be able to identify the ureters & pelvic vessels during pelvic surgery . They should assist in surgeries of the hernia repair,

۴. Teaching and Learning Methods:

۴,۱- Lectures

ξ,ϒ- Clinical lessons

ξ,ϓ- Assignment

ο. Student Assessment Methods:

Method of assessment	The assessed ILOs
ο,ϑ- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
ο,ϒ-Written Exam: -Short essay: ξ.ϑ% -structured questions: ϒο% -MCQs: ϒ.ϑ% -Commentary, Problem solving: ϑο%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
ο,ϓ-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills
ο,ξ-OSCE	-Practical skills, intellectual skills General transferable skills
ο,ο assignment	-General transferable skills, intellectual skills

Assessment Schedule:

Assessment ϑ: Final written exam week: ϒξ

Assessment ϒ: Structured Oral Exam week: ϒξ

Assessment ϓ: OSCE week: ϒξ

Weighting of Assessments:

Written Examination	ο.ϑ%
OSCE	ϓ.ϑ%
Structured Oral Exam	ϒ.ϑ%
<u>Other types of assessment</u>	.ϑ%
Total	ϑο.ϑ%

Formative only assessment: simple research assignment, attendance and absenteeism

ϒ. List of References:

ϒ,ϒ- Essential Books (Text Books)

Basic manual Genitourinary Surgery ϒ.ϑ.ϒ

Smith basic Genitourinary Surgery ϒ.ϑ.ϒ

ϒ,ϓ- Recommended Books

Campbells Genitourinary Surgery ϒ.ϑ.ϒ

ϒ,ξ- Periodicals, Web Sites, ... etc

International Journal of Genitourinary Surgery

American Journal of Genitourinary Surgery

ϒ- Facilities Required for Teaching and Learning

ϓ Lecture rooms

ξ Round rooms

ο Accessibility to hospital wards, clinics and endoscopy unite

ϒ Audio-visual teaching equipments (computers, data show

- projector, video, etc.)
- ∨ Models and mannequins
- ∧ Video tapes and scientific pictures archives.
- ∩ Radiology collections and archives.
- ∩ Library for the department.

Course Coordinator: Dr. Abd El baset Abdo

Head of Department: Prof./ Atef Galal

Date: ١٨/١٢/٢٠١١, **Revised:** ١/٩/٢٠١٢, **Revised:** ١/١٢/٢٠١٣