

Master (MSc) Degree Program and Courses

Plastic Surgery

توصيف برنامج دراسة درجة الماجستير بقسم جراحة التجميل والإصلاح وجراحات الوجه والفكين واليد - جامعة أسوان

Plastic Surgery Department
Faculty of Medicine
Aswan University
2020-2022

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Aswan University
Faculty of Medicine
Quality Assurance Unit
(QAU)

كليـة الـطب ــ جامعة أسوان وحدة ضمان الجودة والتعليم الطبى المستمر

Master degree of Plastic Surgery

A. Basic Information

- ♣ Program Title: Master degree of Plastic Surgery
- **Nature of the program:** Single.
- Responsible Department: Department of Plastic Surgery Faculty-of Medicine-Aswan University
- Program Academic Director (Head of the Department):
- Coordinator (s):

Principle coordinator: DR. Ahmed Abdelrahim Kenawy mousa

Assistant coordinator: Dr. Mohamad El-Oteify

- Internal evaluators: Prof. Samia Saied
- External evaluator: Prof. Ayman Abu El-Makarem Shaker
- Date of Approval by the Faculty of Medicine Council of Aswan University:
- Total number of courses: 7 courses

First part: 6 coursesSecond part: 1 course

B. Professional Information

1- Program aims

1/1 To enable candidates to Acquire satisfactory level of clinical skills, bedside care skills, in addition to update medical knowledge as well as clinical experience and competence in the area of Plastic Surgery and enabling the candidates of making appropriate referrals to a sub-specialist

1/2 To introduce candidates to the basics of scientific medical research.

1/3-Enable candidates to start professional careers as specialists in Egypt but recognized abroad.

1/4 to enable candidates to understand and get the best of published scientific research and does their own.

2- Desired learning outcomes (DLOs) for the whole program:

3/1 Knowledge and understanding:

- **A.** Explain the essential facts and principles of relevant basic sciences including Pathology, Anatomy, Histology and Physiology, pharmacology and biochemistry related to Plastic Surgery.
- B. Mention <u>essential facts</u> of clinically supportive sciences including General Surgery related to Plastic Surgery.
- C. Demonstrate sufficient knowledge of etiology, clinical picture, diagnosis, prevention and treatment of the common diseases and situations related to Plastic Surgery.
- D. Give the recent and update developments in the pathogenesis, diagnosis, prevention and treatment of common diseases related to Plastic Surgery.
- E. Mention the basic ethical and medicolegal principles that should be applied in practice and are relevant to the Plastic Surgery.
- F. Mention the basics and standards of quality assurance to ensure good clinical care practice in the field of Plastic Surgery.
- G. Mention the ethical and scientific principles of medical research Plastic Surgery.
- H. State the impact of common health problems in the field of Plastic Surgery on the society and how good clinical practice improves these problems.

3/2 Intellectual outcomes

A. Correlate the facts of relevant basic and clinically supportive sciences with clinical reasoning, diagnosis and management of common diseases of the Plastic Surgery.

- B. Demonstrate an investigatory and analytic thinking approach (problem solving) to common clinical situations related to Plastic Surgery.
- C. Design and /or present a case or review (through seminars/journal clubs.) in one or more of common clinical problems relevant to the field of Plastic Surgery.
- D. Formulate management plans and alternative decisions in different situations in the field of the Plastic Surgery.

3/3 Skills

3/3-1 Practical skills (Patient Care)

- A. Obtain proper history and examine patients in caring and respectful behaviors.
- B. Make informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence, and clinical judgment for common conditions related to Plastic Surgery.
- C. Carry out patient management plans for common conditions related to Plastic Surgery.
- D. Use information technology to support patient care decisions and patient education in common clinical situations related to Plastic Surgery.
- E. Perform competently non invasive and invasive procedures considered essential for the Plastic Surgery.
- F. Provide health care services aimed at preventing health problems related to Plastic Surgery.
- G. Provide patient-focused care in common conditions related to Plastic Surgery, while working with health care professionals, including those from other disciplines H-Write competently all forms of patient charts and sheets including reports evaluating these charts and sheets (Write a consultation note, Inform patients of a diagnosis and therapeutic plan, completing and maintaining medical records)

3/3-2 General skills

Including:

- Practice-based Learning and Improvement
- Interpersonal and Communication Skills
- Professionalism
- Systems-based Practice

<u>Practice-Based Learning and Improvement</u>

- A. Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks).
- C. Conduct epidemiological Studies and surveys.
- D. Perform data management including data entry and analysis using information technology to manage information, access on-line medical information; and support their own education.
- E. Facilitate learning of students and other health care professionals including their evaluation and assessment.

Interpersonal and Communication Skills

- F. Maintain therapeutic and ethically sound relationship with patients.
- G. Elicit information using effective nonverbal, explanatory, questioning, and writing skills.
- H. Provide information using effective nonverbal, explanatory, questioning, and writing skills.
- I. Work effectively with others as a member of a health care team or other professional group.

Professionalism

- J. Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society
- K. Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, business practices
- L. Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities

Systems-Based Practice

- M. Work effectively in relevant health care delivery settings and systems including good administrative and time management.
- N. Practice cost-effective health care and resource allocation that does not compromise quality of care.
- O. Assist patients in dealing with system complexities.

3- Program Academic Reference Standards (ARS) (Annex 2)

Academic standards for master degree in Plastic Surgery

Aswan Faculty of Medicine developed master degree programs' academic standards for different clinical specialties.

In preparing these standards, the National Academic Reference Standards for post graduate programs (NARS) were adopted. These standards set out the graduate attributes and academic characteristics that are expected to be achieved by the end of the program.

4- Program External References

- 1. ACGME (Accreditation Council for Graduate Medical Education).
- 2. Intercollegiate membership of Royal college of plastic surgery
- 3. American Board of Plastic Surgery
- 4. Egyptian Board of plastic surgery program

5. Program Structure and Contents

- A. Duration of program: 2 years (maximum 4 years)
- B. Structure of the program:

Total number of hours 3536

Didactic 728 (20.59%), practical 2808 (79.41%).total 3536

First part

Didactic 312 (50%), practical 312 (50%). total 624

Second part

Didactic416, (14.3%) practical 2496 (85.7%).total 2912

According the currently applied bylaws:

Compulsory courses: 100% Optional courses: N/A Elective courses: N/A

	<mark>Hours</mark>	<mark>% from total</mark>
Basic courses	624	17.65%
Humanity and social courses		
Specialized courses	2912	82.35%
Others (Computer,)		
Field training	2600	73.5%

C. Program Time Table

A- Duration of program 2 -4 years divided into

Part 1: (30% from final marks)

Program-related basic courses (one year)

Students are allowed to sit the exams of these courses after 12 months from applying to the master degree.

Part 2 (70% from final marks)

Minimum 2 years

Program –related academic and specialized science courses and ILOs

Students are not allowed to sit the exams of these courses before 2 years from applying to the master degree.

Part 3 (no marks)

Essay;

Master essay duration: one year should be officially registered an approved by the department and faculty council,

Discussion and acceptance of the essay should not be set before 12 months from registering the MSc subject.

No marks are given to this section.

Practical and/or clinical skills according to training plan and log book specifications.

Minimum allocation for one year in the responsible department is required.

The students pass if they get 60% from the summative written exams and 60% from oral and clinical exams.

Total degrees 1000 marks.

300 m arks for first part

700 for second part

Written exam 40% (280 marks).

Clinical and oral exams 60% (420 marks)

Curriculum Structure: (Courses):

Year 1

The first year of the fellowship is primarily for basic related science medical knowledge and a clinical year during which the fellows gain experience with a wide variety of patients in inpatient and outpatient settings develop proficiency in the performance and appropriate utilization of various procedures. Throughout the year, emphasis is placed on developing: 1) an understanding of basic anatomy, pathology, pharmacology, biochemistry, microbiology and physiology related to plastic surgery.

2) The ability to efficiently formulate clinical assessments and therapeutic plans; The first year fellow spends the year rotating among multiple different services such as general surgery; burn unit, trauma unit and different academic departments.

Years 2 and 3

Although the primary focus of the second and third year is the development of skills and experience in research (see below), senior fellows continue to participate in clinical activities and certain procedures. First, they maintain their longitudinal outpatient and inpatient clinic experience throughout these years. Senior fellows

will also actively participate in the regular weekly scientific seminars and collaborate with those fellows in their first year. Approximately by the end of the first year, fellows are expected to identify a research area in which the subsequent two years will be focused. By the beginning of the second year, the fellow presents a conference in which he/she synthesizes existing knowledge, presents the problem for investigation, and describes the proposed plan of investigation. The faculty members and fellows in attendance provide feedback to the fellow and supervisors about the proposed project; this process of peer review provides a useful experience for the fellow and often strengthens the experimental approach.

During the second and third years, the trainee carries out the proposed work in the clinical research facilities of the faculty mentor(s). The trainee also benefits from interactions with other trainees, technicians, and collaborating investigators. The trainee also participates in laboratory meetings and journal clubs specific to individual research groups. Presenting research findings at regional and national meetings and submitting work for publication are both important aspects of the investigative endeavor. The trainee will receive guidance and specific assistance in learning to prepare data for oral and written presentation, to prepare graphics, and to organize talks and prepare slides. Throughout the two-year research training period, it is anticipated that the fellow will assume increasing intellectual responsibility and technical independence.

Research (Essay)

Pathway

Selection of a research project and supervisors is subject to the approval of the Chest Department council approval and vice-Dean of post graduate studies of the faculty as officially regulated. Fellows may elect either clinically or epidemiologically -based research training pathways. For all Master degree students, a research advisory committee will be selected by the fellow based on the approved regulatory rules of the faculty council. This committee will monitor the progress of research fellows and provide advice regarding research training and career development.

Levels and courses of the program:

Modules/ Units delivering courses and	Course			
student work load list	Code	Didactic	training	total
First Part				
Basic Courses				
	NES211	52	<mark>26</mark>	<mark>78</mark>
Course1: Anatomy				
Course 2: Histology	NES205	52	<mark>52</mark>	<mark>104</mark>
Course 2: Histology				
Course3: Pathology	NES201	26	52	<mark>78</mark>
Course 4: Physiology & Biochemistry.	NES 202	26	52	<mark>78</mark>
Course 5 Pharmacology& microbiology	.5.25			
	NES203	52	52	104
Course6:General Surgery		<u> </u>	<u> </u>	
	NES220	104	78	182
	IVESEE	104	70	102
Total of first part		312	312	624
Second Part		Specialized		024
Second Part	Connection			_ I.\
	Specia	alized Ciinicai T	Work (log Bo	<mark>OK)</mark>
Specialized Courses				
1) Course 7				
Plastic surgery	NES214	<mark>416</mark>	<mark>2496</mark>	<mark>2912</mark>
Third Part				
Essay				
Total hours of all courses of the		<mark>728</mark>	<mark>2808</mark>	<mark>3536</mark>
<mark>program</mark>				
	•	•		

6. Courses Contents (Annex 1)

The competency based objectives for each course/module/rotation are specified in conjunction with teaching/training methods, requirements for achieving these objectives and assessment methods.

See Annex 1 for detailed specifications for each course/ module

7-Admission requirements

Admission Requirements (prerequisites) if any :

I. General Requirements:

- Grade good in the final exam from approved faculty of Medicine (except for students from abroad)
- Completed his intern year after graduation from medical school
- One year appointment within responsible department (for non Assiut University based registrars)

II. Specific Requirements:

- Fluent in English (study language)
 - Candidates graduated from Egyptian Universities should have at least grade good in their final year examination, and grade good in the general surgery course.

VACATIONS AND STUDY LEAVE

The current departmental policy is the current departmental policy is to give working residents 2 week leave prior to first/ second part exams.

FEES:

As regulated by the postgraduate studies rules and approved by the faculty vice dean of post graduate studies and the faculty and university councils.

8-Progression and completion requirements

- Examinations of the first part could be set at 12 months from applying to the master degree.
- Examination of the second part cannot be set before 2 years from applying to the degree.
- ➡ Discussion of the master essay could be set after 1 year from officially registering the subject.
- The minimum duration of the program is 2 years.

The students are offered the degree when:

- 1. Passing the exams of all basic and specialized courses of this program as regulated by the post graduates approved rules by the faculty council.
- 2. Completing all scheduled skills in the log book (minimum 80%).
- 3. Discussion and acceptance of the essay.

9- Program assessment methods and rules (Annex IV)				
Method ILOs measured				
Written examinations:	К&І			
Structured essay questions				
Objective questions:				
MCQ				
Problem solving				
Clinical:	K ,I, P &G skills			
Long/short cases				

OSCE	
Structured oral	K ,I &G skills
Logbook assessment	All
Research assignment	I &G skills

Weighting of assessments:

veignting or assess	1				
Courses		Degrees			
<mark>First Part</mark>	Course	<mark>Written</mark>	<mark>Oral</mark>	Practical /	Total
	<mark>code</mark>	<mark>Exam</mark>	<mark>Exam</mark>	<mark>Clinical Exam</mark>	
Basic Courses:					
Anatomy	NES211	35		<mark>35</mark>	<mark>70</mark>
Histology	NES205	<mark>20</mark>		<mark>20</mark>	<mark>40</mark>
Pathology	NES201	<mark>20</mark>		<mark>20</mark>	<mark>40</mark>
Physiology& Biochemistry.	NES202	20		<mark>20</mark>	40
Pharmacology & wicrobiology	NES203	<mark>20</mark>		<mark>20</mark>	40
General Surgery	NES220	<mark>35</mark>	35	<mark>5</mark>	<mark>70</mark>
§ The Total mark		<mark>150</mark>		<mark>150</mark>	<mark>300</mark>
		Second Part	-		
Specialized Courses:					
Plastic Surgery and	NES214	<mark>140</mark>	oral 100	Clinical 220	
Surgical pathology				<mark>operative</mark>	<mark>700</mark>
PAPER 1		140		100	
PAPER 2					
I / II LIV Z					

0-Program evaluation		
By whom	Method	sample
Quality Assurance Unit	Reports Field visits	#
External Evaluator (s):According to department council External Examiner (s): According to department council	Reports Field visits	#
Stakeholders	Reports Field visits Questionnaires	#
Senior students	Questionnaires	#
Alumni	Questionnaires	#

#Annex 5 contains evaluation templates and reports (Joined in the departmental folder).

11-Declaration

We certify that all of the information required to deliver this program is contained in the above specification and will be implemented.

All course specifications for this program are in place.

Contributor	Name	Signature	Date
Program Principle Coordinator:	Dr. Ahmed Kenawy Miousa		
Head of the Responsible Department	Prof. Samia saed		
(Program Academic Director):			

Annex 1, Specifications for Courses / Modules

Annex 1: specifications for courses

First Part

Course 1 General surgery

Name of department: Plastic Surgery

Faculty of medicine Aswan University 2010-2021/2020-2021

1. Course data

- Course Title: General surgery
- Course code: NES211
- Specialty: Plastic Surgery.
- Total Number of hours: Didactic 52 (66.67%) practical 26(33.33%) total 78
- Department (s) delivering the course: General surgery in conjunction with Plastic Surgery
- Coordinator (s):

Staff members of General surgery Department in conjunction with Plastic Surgery Department as annually approved by both departments' councils

- Date last reviewed: March 2020
- General requirements (prerequisites) if any: None

Requirements from the students to achieve course ILOs are clarified in the joining log book.

2. Course Aims

-The student should acquire the basic Knowledge and surgical skills necessary for Plastic Surgery in clinical reasoning, diagnosis and management of diseases including Shock-Multiple Injured Patients-Neck swelling.

3. Course intending learning outcomes (ILOs):

A- Knowledge and understanding

ILOs	Methods of teaching/ learning	Methods of Evaluation
-Shock -Classes of hemorrhageLymphatic system -G.I.T system, Peritoneum and Omentum -Abdominal wall and herniasSurgical infections -Testis & Scrotum -Breast	-Didactic (lectures, seminars, tutorial) -journal club, -Critically appraised topic, -Educational prescription (a structured technique for following up on clinical questions that arise during rounds and other venues) -Present a case (true or simulated) in a grand round	 Portfolios Case Log book Oral exam Written exam record review
B. Mention the principles of : -Basics of General Surgery -Acid base balance		
C. State update and evidence based Knowledge of -Multiple injured patients D. Memorize the facts and principles of the relevant basis and clinically.		
the relevant basic and clinically supportive sciences related to General Surgery. E. Mention the basic ethical and medicolegal		
principles revenant to the General Surgery. F. Mention the basics of quality assurance to ensure good clinical care in General		

Surgery.	
G. Mention the ethical and scientific	
principles of medical research	
H. State the impact of common health	
problems in the field of General Surgery on	
the society.	

B- Intellectual outcomes

ILOs	Methods of teaching/	Methods of Evaluation
	learning	
A. Correlates the facts of relevant basic and clinically supportive	-Clinical rounds	Procedure/case
sciences with clinical reasoning, diagnosis and management of	-Senior staff experience	presentation
common diseases related to General Surgery.		Log book and
		Portfolios
B. Demonstrate an investigatory and analytic thinking (problem		
solving) approaches to common clinical situations related to		
General Surgery.		
C. Design and present cases , seminars in common problem		
D-Formulate management plans and alternative decisions in		
different situations in the field of the General Surgery.		

C- Practical skills (Patient Care)

ILOs	Methods of teaching/learning	Methods of Evaluation
A. Obtain proper history and examine patients in caring and respectful behaviors.	Lecture - seminar - journal club -service teaching -outpatient -inpatient -Operative -Direct observation -case presentation	-Written and oral examination -Log book
B. Order the following non-invasive/invasive diagnostic procedures -Basal laboratory investigation -X- ray skull-neck- abdomen- chest- upper & lower limbs.	Lecture - seminar - journal club -service teaching -Outpatient -Inpatient -Operative	- Log book - Chick list
C. Interpret the following non-invasive/invasive diagnostic procedures -Basal laboratory investigation -X- ray skull-neck- abdomen- chest - upper & lower limbs.	-Direct observation -Case presentation	

D. Perform the following non invasive/invasive therapeutic procedures -Operation for multiple injured patients	-Operative -Direct observation -case presentation	Written and oral examination -Log book -Procedure presentation
E. Prescribe the following non invasive and invasive therapeutic procedures: -Treatment of shock and surgical infection	Lecture - seminar - journal club -service teaching -outpatient -inpatient -Operative -Direct observation -case presentation	Written and oral examination -Log book
F. Carry out patient management plans for common conditions related to General Surgery. -Acid- base balance -shock- Hemorrhage -Surgical infection -Multiple Injured patient	Lecture - seminar - journal club -service teaching -outpatient -inpatient -Operative -Direct observation -case presentation	Written and oral examination Log book
G. Use information technology to support patient care decisions and patient education in common clinical situations related to Procedure presentation.		
H. Provide health care services aimed at preventing health problems related to Procedure presentation like: -Shock - Hemorrhage -Surgical infection		
I. Provide patient-focused care in common conditions related to General Surgery, while working with health care professionals, including those from other disciplines for the conditions mentioned above in A.A		

D- General Skills

Practice-Based Learning and Improvement

ractice basea Learning and improvement			
ILOs Methods of		Methods of Evaluation	
	teaching/learning		
A. Perform practice-based improvement activities using a	-Case log	-Portfolios	
systematic methodology(audit, logbook)	-Observation and	-Global rating	
	supervision	-Simulation	
	-Written & oral		
	communications		

B. Appraises evidence from scientific studies(journal club)	
C. Conduct epidemiological Studies and surveys.	
D. Perform data management including data entry and	
analysis.	
E. Facilitate learning of junior students and other health	
care professionals.	

Interpersonal and Communication Skills

ILOs	Methods of teaching/learning	Methods of Evaluation
F. Maintain therapeutic and ethically sound relationship with patients.	-Observation & supervision Didactic	-Simulation Record review (report)
G. Elicit information using effective nonverbal, explanatory, questioning, and writing skills.		
H. Provide information using effective nonverbal, explanatory, questioning, and writing skills.		
I. Work effectively with others as a member of a health care team or other professional group.		
J. Present a case in common conditions mentioned above in A.A.		
K. Write a report in case of multiple injured patients.		
L. Council patients and families about the conditions mentioned above in A.A.		

Professionalism

ILOs	Methods of teaching/learning	Methods of Evaluation
M. Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society	-Case log Observation and supervision Written & oral	1.Objective structured clinical examination 2. Patient survey
	communications	3.360o global rating

N. Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, business practices	
O. Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities	

Systems-Based Practice

ILOs	Methods of teaching/ learning	Methods of Evaluation
P. Work effectively in relevant health care delivery settings and systems.	Observation & supervision Didactic	1-Check list evaluation of live or recorded performance. 2. 3600 global rating 3. Patient survey 4. portfolios
Q. Practice cost-effective health care and resource allocation		
that does not compromise quality of care.		
R. Assist patients in dealing with system complexities.		

4. Course contents (topic s/modules/rotation

Course Matrix

Time Schedule: First Part

Topic	Covered ILOs			
	Knowledge A	Intellectual B	Practical skill C	General Skills D
Shock	A	A-D	A-C,E,H,F,G,I	A-J,L-R
Hemorrhage	A	A-D	A-C,E,H, F,G,I	A-J,L-R
Surgical infection	A	A-D	A-C,E,H, F,G,I	A-J,L-R
Lymphatic system				
G.I.T system, peritoneum & omentum				
Abdominal wall & Hernia				
Breast				
Testis & Scrotum				
-Multiple injured patients	A,C	A-D	A-C,D	A-R
-Basics of General Surgery	В	A-D	-	-
-Acid base balance	В	A-D	-	-

5. Course Methods of teaching/learning:

- 1. Didactic (lectures, seminars, tutorial)
- 2. Clinical rounds
- 3. (service teaching) Observation
- 4. Perform under supervision of senior staff
- 5. Simulations
- **6.** Case presentation
- 7. Written & oral communications
- 8. Seminar
- 9. journal club

6. Course Methods of teaching/learning: for students with poor achievements

- 1. Lectures
- 2. Simulations

7. Course assessment methods:

- I. Assessment tools:
 - a. Written and oral examination
 - b. Clinical Examination
 - c. Log book
- ii. Time schedule: At the end of the first part.
- iii. Marks: 70

8. List of references

I. Lectures notes

Course notes

- Staff members print out of lectures and/or CD copies
- ii. Essential books kaser eleiney text book-Rafik text book
- iii. Recommended books
 - -Bill and love
- Iv. Periodicals, Web sites, ... etc
- international journal
- V. others: None

9. Signature

Course Coordinator:	Head of the Department:
Date:	Date:

Course 2. Pathology

Name of department: Plastic Surgery

Faculty of medicine Aswan University 2020-2021/2021-2022

1. Course data

- Course Title: pathology related to plastic surgery
- Course code: NES205
- Specialty: plastic surgery.
- Number of hours: Didactic 52(50%) practical 52(50%) Total (104)
- Department (s) delivering the course: Pathology in conjunction with plastic surgery
- Coordinator (s):

Staff members of Pathology Department in conjunction with plastic surgery Department as annually approved by both departments' councils

- Date last reviewed: March 2020
- Requirements (prerequisites) if any:
 - ♣ -None

2. Course aims

The student should acquire the pathological facts necessary for plastic surgery.

3. Intending learning outcomes (ILOs):

A-Knowledge and understanding

	ILOs	Methods of teaching/ learning	Methods of Evaluation
B-Describe Pa	thologic Details of:	- Didactic (lectures,	-Written and oral
1.	Wound healing	seminars, tutorial)	examination
2.	Skin tumors	- journal club,	- Log book
3.	Soft tissue sarcoma		
4.	Lymphatic		
5-Info	ection		

B- Intellectual outcomes

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Correlates the facts of Pathology with clinical reasoning, diagnosis and management of common diseases related to Plastic Surgery.	Didactic (lectures, seminars, tutorial)	-Written and oral examination -Log book

C- Practical skills

ILOs	Methods of teaching/ learning	Methods of Evaluation
A- Master the basic skills in the Pathology of Plastic Surgery.	Laboratory work	-Assessment of practical skills -Logbook
B-Use information technology to support decisions related to pathology of Plastic Surgery.		
C. Examine Pathological slides of common disorders related to plastic surgery.		

D-General Skills

Practice-Based Learning and Improvement

	Tractice based Learning and improvement										
	ILOs					Methods of	<u> </u>		Methods of		
								learr	ning		Evaluation
	Perform	data	management	including	data	entry	and		a	nd	Log book
ana	alysis.							supervision			
								-Written	and o	al	
								communication	on		

Interpersonal and Communication Skills

ILOs	Methods of teaching/ learning	Methods of Evaluation
B. Elicit information using effective nonverbal, explanatory, questioning, and writing skills.	-Observation and supervision -Written and oral communication	Log book
C. Write a report in common condition mentioned in A.A and A.B.		

Professionalism

ILOs	Methods of teaching/ learning	Methods of Evaluation
D. Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society	Observation -Senior staff experience	Logbook

Systems-Based Practice

ILOs	Methods of teaching/ learning	Methods of Evaluation
E. Work effectively in relevant health care delivery settings and systems.	Observation -Senior staff experience	Logbook

4. Course contents (topic s/modules/rotation Course Matrix

Time Schedule: First Part

Topic	Covered ILOs				
	Knowledge	Intellectual	Practical skill	General Skills	
Describe Pathologic Details of:					
a-Wound healing	В	A	A-C	A-E	
b-Skin tumours	В	A	A-C	A-E	
c- Soft tissue Sarcoma	В	A	A-C	A-E	
d- Lymphatic	В	A	A-C	A-E	
e- Infection	В	A	A-C	A-E	

5. Course Methods of teaching/learning:

- 1 Didactic (lectures, seminars, tutorial)
- 2 Laboratory work
- 3 Observation and supervision
- 4 Written & oral communication
- 5 Senior staff experience

6. Course Methods of teaching/learning: for students with poor achievements

- 1. Extra Didactic (lectures, seminars, tutorial) according to their needs
- 2. Extra Laboratory work according to their needs

7. Course assessment methods:

- i. Assessment tools:
 - 1. Written and oral examination
 - 2. Assessment of practical skills)
 - 3. Log book
- ii. Time schedule: At the end of the first part
- iii. Marks: 40

8. List of references

- i. Lectures notes
 - Course notes
 - Staff members print out of lectures and/or CD copies
- ii. Essential books
 - Gamal nada text book
- iii. None

9. Signature

Course Coordinator:	Head of the Department:
Date:	Date:

Course 3- Anatomy

Name of department: plastic surgery

Faculty of medicine Aswan University 2020-2021/2021-2022

1. Course data

- Course Title: anatomy related to plastic surgery
- Course code: NES201
- Specialty: plastic surgery .
- Number of hours. Didactic 26(33.33) practical 52(66.67%) total 78
- Department (s) delivering the course: Anatomy in conjunction with plastic surgery
- Coordinator (s):

Staff members of Anatomy Department in conjunction with plastic surgery Department as annually approved by both departments' councils

- Date last reviewed: March 2020
- Requirements (prerequisites) if any:
 - 📥 -None

2. Course aims

The student should acquire the anatomic facts necessary for Plastic Surgery.

A- Knowledge and understanding

J	•	
ILOs	Methods of teaching/	Methods of Evaluation
	learning	
 A. Mention anatomic Principles of 1. The Head and Neck 2. Upper Extremity & The Lower Extremity 3. Abdomen & Pelvis 4. Thoracic cage 	- Didactic (lectures, seminars, tutorial) - journal club,	-Written and oral examination - Log book

B-Intellectual outcomes

ILOs	Methods of	Methods of
	teaching/learning	Evaluation
A. Correlates the facts of Anatomy with clinical reasoning, diagnosis and management of common diseases related to Plastic Surgery.	Didactic (lectures, seminars, tutorial)	-Written and oral examination -Log book

C-Practical skills

C I ractical skills				
ILOs	Methods	of	Methods	of
	teaching/		Evaluation	
	learning			
A- Master the basic skills in the Anatomy related to plastic surgery.	Laboratory wo	rk	-Assessment o practical skills -Logbook	
B-Use information technology to support decisions related to Anatomy of plastic surgery.				

D-General Skills

Practice-Based Learning and Improvement

	8 1 1		
ILOs	Methods of teaching/	Methods	of
	learning	Evaluation	

A. Perform data management including data entry	-Observation and supervision	Log book
and analysis.	-Written and oral communication	

Interpersonal and Communication Skills

ILOs	Methods of teaching/ learning	Methods of Evaluation
B. Elicit information using effective nonverbal, explanatory, questioning, and writing skills.	-Observation and supervision -Written and oral	Log book
C. Write a report in common condition mentioned in A.A and A.B.	communication	

Professionalism

ILOs			Methods of teaching/ learning	Methods of Evaluation
D. Demonstrate respect, compassi responsiveness to the needs of patients	on, and integrity; and society	а	-Observation -Senior staff experience	Logbook

Systems-Based Practice

ILOs	Methods of teaching/ learning	Methods of Evaluation
E. Work effectively in relevant health care delivery settings and systems.	-Observation -Senior staff experience	Logbook

4. Course contents (topic s/modules/rotation Course Matrix

Time Schedule: First Part

Торіс	Covered ILOs			
	Knowledge A	Intellectual B	Practical skill C	General Skills D
1- Head, neck & scalp	A	A	A& B	A-E
2-Upper & Lower extremities	A	A	A& B	A-E
3- Abdomen & Pelvis	A	A	A& B	A-E

4- Thoracic cage	А	А	A& B	A-E
4- IIIOI acic cage	A	A	Αα Β	A-L

5. Course Methods of teaching/learning:

- 1 Didactic (lectures, seminars, tutorial)
- 2 Laboratory work
- 3 Observation and supervision
- 4 Written & oral communication
- 5 Senior staff experience

6. Course Methods of teaching/learning: for students with poor achievements

- 1. Extra Didactic (lectures, seminars, tutorial) according to their needs
- 2. Extra Laboratory work according to their needs

7. Course assessment methods:

- i. Assessment tools:
 - 1. Written and oral examination
 - 2. Assessment of practical skills)
 - 3. Log book
- ii. Time schedule: At the end of the first part
- iii. Marks: 40

8. List of references

- i. Lectures notes
 - Course notes
 - Staff members print out of lectures and/or CD copies
- ii. Essential books
 - o Text book written by the department of anatomy
- iii. Recommended books

Gray's Anatomy text book

v. others

None

9. Signature

Course Coordinator:	Head of the Department:
Date:	Date:

Course 4 Histology

Name of department: plastic surgery

Faculty of medicine Aswan University 2020-2021/2021-2022

1. Course data

- Course Title: Histology
- ♣ Course code: NES202
- Specialty... plastic surgery.
- Number of hours: Didactic 26 (33.33) practical 52 (6.67%) Total 78
- Department (s) delivering the course: Histology in conjunction with plastic surgery
- Coordinator (s):

Staff members of Histology Department in conjunction with plastic surgery Department as annually approved by both departments' councils

- Date last reviewed: July 2010
- Requirements (prerequisites) if any :
 - ♣ -None

2. Course aims

-The student should acquire the histological facts necessary for plastic surgery

3. Intending learning outcomes (ILOs):

A- Knowledge and understanding

ILOs	Methods of teaching/	Methods of Evaluation
	learning	

A. Mention the basics of general histology.	- Didactic (lectures,	-Written and oral
B- Describe Histological details of	seminars, tutorial)	examination
1-Skin	- journal club,	- Log book
2- Fat		
3-Stem cells		

B- Intellectual outcomes

ILOs	Methods of teaching/	Methods of
	learning	Evaluation
A. Correlates the facts of Histology with clinical reasoning, diagnosis and management of common diseases related to Plastic Surgery.	Didactic (lectures, seminars, tutorial)	-Written and oral examination -Log book

C- Practical skills

ILOs	Methods of teaching/ learning	Methods of Evaluation
A- Master the basics of general histology.	Laboratory work	-Assessment of practical skills -Logbook
B-Use information technology to support decisions related to histology of plastic surgery.		
C. Examine Histological slides of common disorders related to plastic surgery	Laboratory work	Assessment of practical skills -Logbook

D-General Skills

Practice-Based Learning and Improvement

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Perform data management including data entry and analysis.	-Observation and supervision -Written and oral communication	Log book

Interpersonal and Communication Skills

ILOs	Methods of teaching/	Methods of
	learning	Evaluation

B. Elicit information using effective nonverbal, explanatory, questioning, and writing skills.	-Observation and supervision -Written and oral communication	Log book
C. Write a report in common condition mentioned in A.A and A.B.		

Professionalism

ILOs	Methods of teaching/ learning	Methods of Evaluation
D. Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society	-Observation -Senior staff experience	Logbook

Systems-Based Practice

ILOs	Methods of teaching/ learning	Methods of Evaluation
E. Work effectively in relevant health care delivery settings and systems.	-Observation -Senior staff experience	Logbook

4. Course contents (topic s/modules/rotation Course Matrix

Time Schedule: First Part

Topic		Covered ILOs		
	Knowledge	Intellectual	Practical skill	General Skills
Mention Histologic Principles of:				
-1-Skin	A	A	A-C	А-Е
2-Fat	A	A	A-C	А-Е
3-Stem cells	A	A	A-C	A-E
Describe Histologic details of				
1- General Histology	В	A	A-C	A-E
1-Skin	В	A	A-C	A-E
2-Fat	В	A	A-C	A-E
4- Stem cells	В	A	A-C	A-E

5. Course Methods of teaching/learning:

- Didactic (lectures, seminars, tutorial)
- 2 Laboratory work
- 3 Observation and supervision
- 4 Written & oral communication
- 5 Senior staff experience

6. Course Methods of teaching/learning: for students with poor achievements

- 1. Extra Didactic (lectures, seminars, tutorial) according to their needs
- 2. Extra Laboratory work according to their needs

7. Course assessment methods:

- i. Assessment tools:
 - 1. Written and oral examination
 - 2. Assessment of practical skills)
 - 3. Log book
- ii. Time schedule: At the end of the first part
- iii. Marks: 40

8. List of references

- i. Lectures notes
 - Course notes
 - Staff members print out of lectures and/or CD copies
- ii. Essential books
 - Text books written by the department of pathology
- iii. Others

None

Course 5 Physiology & Biochemistry

Name of department: plastic surgery

Faculty of medicine Aswan University 2020-2021/2021-2022

1. Course data

- Course Title: Physiology & Biochemistry
- Course code: NES203
- Specialty... plastic surgery.
- **♣** Number of hours : Didactic 52(50%) practical 52(50%) total (104)
- Department (s) delivering the course: Physiology & Biochemistry in conjunction with plastic surgery
- Coordinator (s):

Staff members of Physiology Department in conjunction with plastic surgery Department as annually approved by both departments' councils

↓ Date last reviewed: March 2020

Requirements (prerequisites) if any:

♣ -None

2. Course aims

The student should acquire the physiological facts necessary for Plastic Surgery

3. Intending learning outcomes (ILOs):

A- Knowledge and understanding

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Mention Physiologic Principles of:	- Didactic (lectures,	-Written and oral
1-Acid Base balance	seminars, tutorial)	examination
2- Electrolytes	- journal club,	- Log book
B. Mention Principles of:		
-Carbohydrates metabolism		
- Fat metabolism		
- Protein metabolism		
-Prostaglandins		

B- Intellectual outcomes

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Correlates the facts of Physiology with clinical reasoning, diagnosis and management of common diseases related to plastic surgery . B. Correlates the facts of Physiology with clinical reasoning, diagnosis and management of common diseases related to plastic surgery .	Didactic (lectures, seminars, tutorial)	-Written and oral examination -Log book

C- Practical skills

ILOs	Methods of	Methods of
	teaching/	Evaluation
	learning	

A- Master the basic skills in the Physiology & Biochemistry related to plastic surgery.	Laboratory work	-Assessment of practical skills -Logbook
B-Use information technology to support decisions related to Physiology of		
Plastic Surgery.		

D-General Skills Practice-Based Learning and Improvement

A. Perform data management including data entry and analysis.

-Observation and supervision
-Written and oral communication

-Written and oral communication

Interpersonal and Communication Skills

ILOs	Methods of teaching/ learning	Methods of Evaluation
B. Elicit information using effective nonverbal, explanatory, questioning, and writing skills.	-Observation and supervision -Written and oral communication	Log book

Professionalism

ILOs	Methods of teaching/learning	Methods of Evaluation
D. Demonstrate respect, compassion, and integrity; a responsiveness to the needs of		Logbook
patients and society	-Sellior stail experience	

Systems-Based Practice

ILOs	Methods of teaching/ learning	Methods of Evaluation	f
E. Work effectively in relevant health care delivery settings and systems.	-Observation -Senior staff experience	Logbook	

4. Course contents (topic s/modules/rotation Course Matrix

Time Schedule: First Part

Topic	Covered ILOs			
	Knowledge	Intellectual	Practical skill	General Skills
. Mention Physiologic Principles of:				
1-Acid Base Balance	A	A	A&B	A-E
2- Electrolytes	A	A	A&B	А-Е
3-Carbohydrates metabolism	A	A	A&B	A-E
4-Fat metabolism	A	A	A&B	A-E
5-Protein metabolism	A	A	A&B	A-E
6-Prostaglandins	A	A	A&B	A-E

5. Course Methods of teaching/learning:

- 1 Didactic (lectures, seminars, tutorial)
- 2 Laboratory work
- 3 Observation and supervision
- 4 Written & oral communication
- 5 Senior staff experience

6. Course Methods of teaching/learning: for students with poor achievements

- 1. Extra Didactic (lectures, seminars, tutorial) according to their needs
- 2. Extra Laboratory work according to their needs

7. Course assessment methods:

- i. Assessment tools:
 - 1. Written and oral examination
 - 2. Assessment of practical skills)
 - 3. Log book
- ii. Time schedule: At the end of the first part
- iii. Marks: 40

8. List of references

i. Lectures notes

- Course notes
- Staff members print out of lectures and/or CD copies

ii. Essential books

- Note books written by the department
- iii. Recommended books Essential plastic notes.
- v. others

9. Signature		
Course Coordinator: Head of the Department:		
Date:	Date:	

Course 6 Pharmacology & Microbiology

Name of department: plastic surgery

Faculty of medicine
Aswan University

2020-2021/2021-2022

1. Course data

- Course Title: Pharmacology & Microbiology
- Course code: NES220
- Specialty...Plastic Surgery.
- **♣** Number of hours: Didactic 104 (57.14) practical 78 (42.86) total 182
- Department (s) delivering the course: Pharmacology & Microbiology with Plastic Surgery
- Coordinator (s):

Staff members of Pharmacology & Microbiology in conjunction with Plastic Surgery Department as annually approved by both departments' councils

- Date last reviewed: March 2020
- Requirements (prerequisites) if any: None

2. Course aims

-To make the students familial with the management & drug treatment of common medical problems that may be encountered in Plastic Surgery.

3. Course intending learning outcomes (ILOs):

A- Knowledge and understanding

ILOs	Methods of teaching/learning Methods of Evaluation	
A. Mention the principles of :		
-General Pharmacology		
-Analgesics		
- Corticosteroids		
-Antibiotics		
-Local anesthesia		

B. Mention the principles of :	
-Immunology	
- Nosocomial infections	

B- Intellectual outcomes

ILOs	Methods of teaching/ learning	Methods of Evaluation
To make the students familial with the management & drug	-Clinical rounds	Procedure/case
treatment of common medical problems that may be encountered in Plastic Surgery.	-Senior staff experience	presentation Log book and Portfolios

C- Practical skills (Patient Care)

ILOs	Methods of teaching/ learning	Methods Evaluation	of
F. Carry out patient management plans for common conditions related to			
Plastic surgery			
H. Provide health care services aimed at preventing health problems related to			
Procedure presentation			
I-Provide patient-focused care in common conditions related to plastic			
surgery, while working with health care professionals, including those from			
other disciplines for the conditions mentioned above in A.A and A.B.			

D- General Skills Practice-Based Learning and Improvement

ILOs	Methods of	Methods of
	teaching/ learning	Evaluation
A. Perform practice-based improvement activities using a systematic methodology(audit, logbook)	-Case log -Observation and supervision -Written & oral communications	-Portfolios -Global rating -Simulation
B. Appraises evidence from scientific studies(journal club)		
C. Conduct epidemiological Studies and surveys.		
D. Perform data management including data entry and analysis.		
E. Facilitate learning of junior students and other health care professionals.		

Interpersonal and Communication Skills

ILOs	Methods of teaching/ learning	Methods of Evaluation
F. Maintain therapeutic and ethically sound relationship with patients.	-Observation & supervision Didactic	-Simulation Record review (report)
G. Elicit information using effective nonverbal, explanatory, questioning, and writing skills.		
H. Provide information using effective nonverbal, explanatory, questioning, and writing skills.		
I. Work effectively with others as a member of a health care team or other professional group.		
J. Present a case in common conditions mentioned above in A.A and A.B.		
C. Write the following report: -Patient discharge report -Death report		
L. Council patients and families about the conditions mentioned above in A.A and A.B.		

Professionalism

ILOs	Methods of teaching/ learning	Methods of Evaluation
M. Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society	-Case log Observation and supervision Written & oral communications	1.Objective structured clinical examination 2. Patient survey 3.3600 global rating
N. Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, business practices		
O. Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities		

Systems-Based Practice

ILOs	Methods of teaching/ learning	Methods Evaluation	of

P. Work effectively in relevant health care delivery settings and systems.	Observation supervision Didactic	&	1-Check list evaluation of live or recorded performance. 2. 3600 global rating 3. Patient survey 4. portfolios
Q. Practice cost-effective health care and resource allocation that does not compromise quality of care.			·
R. Assist patients in dealing with system complexities.			

4. Course contents (topic s/modules/rotation Course Matrix

Time Schedule: First Part

Торіс	Covered ILOs			
	Knowledge	Intellectual	Practical skill	General Skills
 General pharmacology 	A,C,D-H	A-D	A-C,E-G,I	A-R
- Analgesics	A,D-H	A-D	A-C,H,I	A-R
- Corticosteriods	A,D -H	A-D	A-C,E-G,I	A-R
- Antibiotics	A,D-H	A-D	A-C,E-G,I	A-R
- Local anathesia	A,C,D-H	A-D	A-C,E-G,I	A-R
- Immunology	A,C,D-H	A-D	A-C,H,I	A-R
- Nosocomial infection	A,C,D-H	A-D	A-C,H,I	A-R

5. Course Methods of teaching/learning:

- 1. Didactic (lectures, seminars, tutorial)
- 2. Clinical rounds
- **3.** (service teaching) Observation
- **4.** Perform under supervision of senior staff
- 5. Simulations
- **6.** Case presentation
- 7. Written & oral communications
- 8. Seminar
- 9. journal club

6. Course Methods of teaching/learning: for students with poor achievements

- 1. Extra Didactic (lectures, seminars, tutorial) according to their needs
- 2. Extra training according to their needs

7. Course assessment methods:

- I. Assessment tools:
 - a. Written and oral examination
 - b. Clinical Examination
 - c. Log book
- ii. Time schedule: At the end of the first part.
- iii. Marks: 70

8. List of references

I. Lectures notes

Course notes

Staff members print out of lectures and/or CD copies

ii. Essential books

Text books written by the department

iii. Recommended books

Essential book of Pharmacology & Microbiology, Plastic Surgery

Iv. Periodicals, Web sites, ... etc

International journal

V. others

9. Signature

Course Coordinator:	Head of the Department:
Date:	Date:

Second Part

Course 7 Plastic Surgery science

1. Course data

- **Course Title:** Plastic Surgery
- Course code: NES214
- Specialty: Plastic Surgery.
- **Number of hours: Didactic** 416 (14.3 %) **Practical** 2496 (85.7 %) Total **(**2912**).**
- Department (s) delivering the course: Plastic Surgery
- Coordinator (s): Dr. Ahmed Abdelrahim Kenawy Mousa
- Date last reviewed: March 2020
- Requirements (prerequisites) if any:
 - 📥 -None

2. Course aims

1-To enable candidates to Acquire satisfactory level of clinical skills, bedside care skills, in addition to update medical knowledge as well as clinical experience and competence in the area of Plastic Surgery and enabling the candidates of making appropriate referrals to a sub-specialist

2- To introduce candidates to the basics of scientific medical research

3. Course intending learning outcomes (ILOs):

A- Knowledge and understanding

ILOs	Methods of teaching/ learning	Methods of Evaluation
	Ğ	
A. Describe the etiology, clinical picture, diagnosis and management of the clinical conditions related to different aspects of plastic surgery: - General rules of plastic surgery - Maxillofacial surgeries - Congenital anomalies surgeries - hand surgeries Reconstructive surgeries - Aesthetic surgeries - Burn surgeries - Post-traumatic reconstructive surgeries - Microsurgery in plastic surgery - Endoscopy in Plastic surgery - Biomaterials in plastic surgery B. Mention the principles of: - Epidemiology of Plastic Surgery related problems - Plastic Surgery related radiology	-Didactic (lectures, seminars, tutorial) -journal club, -Critically appraised topic, -Educational prescription (a structured technique for following up on clinical questions that arise during rounds and other venues) -Present a case (true or simulated) in a grand round -Others	 Portfolios Case Log book Oral exam Written exam record review Global rating Simulation
-Diagnostic procedures		
D. Memorize the facts and principles of the relevant basic and clinically supportive sciences related to Plastic Surgery.		
E. Mention the basic ethical and medicolegal principles that should be applied in practice and are relevant to Plastic Surgery.		
F. Mention the basics and standards of quality assurance to ensure good clinical practice in the field of Plastic Surgery.		
G. Mention the ethical and scientific principles of medical research methodology.		
H. State the impact of common health problems in the field of Plastic Surgery on the society and how good clinical practices improve these problems.		

B- Intellectual outcomes

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Correlates the facts of relevant basic and clinically supportive sciences with clinical reasoning, diagnosis and management of common diseases related to Plastic Surgery.	-Clinical rounds -Senior staff experience	Procedure/case presentation Log book and Portfolios
B. Demonstrate an investigatory and analytic thinking (problem solving) approaches to common clinical situations related to Plastic Surgery.		
C. Design and /or present a case or review (through seminars/journal clubs.) in one or more of common clinical problems relevant to the field of Plastic Surgery.		
D-Formulate management plans and alternative decisions in different situations in the field of the Plastic Surgery.		

C- Practical skills (Patient Care)

ILOs	Methods of teaching/	Methods of
1203	learning	Evaluation
	learning	Lvaluation
A. Obtain proper history and examine patients in caring and respectful behaviors.	Lecture - seminar - journal club -service teaching -outpatient -inpatient -Operative -Direct observation -case presentation	-Written and oral examination - Checklist evaluation of live or recorded performance - log book -Objective structured clinical examination (OSCE)
B. Order the non invasive/invasive diagnostic procedures Such as X-rays, C.T & M.R.I	Lecture - seminar - journal club -service teaching	- Log book - Chick list
C. Interpret the non invasive/invasive diagnostic procedures Such as X-rays, C.T & M.R.I	-Outpatient -Inpatient -Operative -Direct observation -Case presentation	
D. Perform the following non invasive/invasive therapeutic procedures	-Operative -Direct observation	-Log book -Procedure

-Assist staff in different plastic & reconstructive surgeries.	-Perform under supervision of senior staff	presentationChecklist evaluation of live or recorded performance -Objective structured clinical examination
F. Carry out patient management plans for common conditions related to Plastic Surgery.	Lecture - seminar - journal club -service teaching -outpatient -inpatient -Operative -Direct observation -case presentation	Written and oral examination Log book
G. Use information technology to support patient care decisions and patient education in common clinical situations related to Procedure presentation.	·	
H. Provide health care services aimed at preventing health problems related to Procedure presentation like: surgical infection of skin & soft tissue		
I-Provide patient-focused care in common conditions related to Plastic Surgery, while working with health care professionals, including those from other disciplines for the conditions mentioned above in A.A.		
J. Write competently all forms of patient charts and sheets including reports evaluating these charts and sheets (Write a consultation note, Inform patients of a diagnosis and therapeutic plan, completing and maintaining medical records).		

D- General Skills Practice-Based Learning and Improvement

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Perform practice-based improvement activities using a systematic methodology (share in audit and risk management activities and use logbook).	-Case log -Observation and supervision -Written & oral communications	-Portfolios -Global rating -Simulation
B. Appraises evidence from scientific studies(journal club)		
C. Conduct epidemiological Studies and surveys.		
D. Perform data management including data entry and analysis using information technology to manage information, access on-line		

medical information; and support their own education.	
E. Facilitate learning of junior students and other health care	
professionals including their evaluation and assessment.	

Interpersonal and Communication Skills

ILOs	Methods of teaching/learning	Methods of Evaluation
F. Maintain therapeutic and ethically sound relationship with patients.	-Observation & Supervision Didactic	-Simulation Record review (report)
G. Elicit information using effective nonverbal, explanatory, questioning, and writing skills.		
H. Provide information using effective nonverbal, explanatory, questioning, and writing skills.		
I. Work effectively with others as a member of a health care team or other professional group.		
J. Present a case in common conditions mentioned above in A.A.		
F. Write the following report: -Discharge report -Death report		
L. Council patients and families about the conditions mentioned above in A.A.		

Professionalism

ILOs	Methods of teaching/learning	Methods of Evaluation
M. Demonstrate respect, compassion, and integrity; a	-Case log	1.Objective structured
responsiveness to the needs of patients and society	Observation and	clinical examination
	supervision	2. Patient survey
	Written & oral	3.360o global rating
	communications	

N. Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, business practices	
O. Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities	

Systems-Based Practice

ILOs	Methods of teaching/learning	Methods of Evaluation
P. Work effectively in relevant health care delivery settings and systems including good administrative and time management.	Observation & supervision Didactic	1-Check list evaluation of live or recorded performance.2. 360o global rating3. Patient survey4. portfolios
Q. Practice cost-effective health care and resource allocation that does not compromise quality of care.		
R. Assist patients in dealing with system complexities.		

4. Course contents (topic s/modules/rotation Course Matrix

Time Schedule: Second Part

Topic	Covered ILOs					
	Knowledge	Intellectual	Practical skill	General Skills		
- General rules of plastic surgery	A,C	A-D	A-G,I,J	A-R		
Maxillofacial surgeries	A	A-D	A-G,I,J	A-R		
Congenital anomalies surgeries	A	A-D	A-G,I,J	A-R		
Hand surgeries.	A	A-D	A-J	A-R		
Reconstructive surgeries	В	A-D		-		
Aesthetic surgeries	В	A-D	G	В,С		
Burn surgeries	В	A-D	G	E,I		

Post-traumatic reconstructive surgeries	В	A-D	G	E-I
Microsurgery in plastic surgery				
Endoscopy in Plastic surgery				
Biomaterials in plastic surgery				

5. Course Methods of teaching/learning:

- 1. Didactic (lectures, seminars, tutorial)
- 2. Clinical rounds
- 3. (Service teaching) Observation
- 4. Perform under supervision of senior staff
- 5. Simulations
- **6.** Case presentation
- 7. Written & oral communications
- 8. Seminar
- 9. journal club
- 10. Operative
- 11. Outpatient
- 12. Inpatient

6. Course Methods of teaching/learning: for students with poor achievements

- Lectures
- 2. Simulations

7. Course assessment methods:

I. Assessment tools:

- a. Written and oral examination
- b. Clinical Examination
- c. Log book
- ii. Time schedule: At the end of the Second part.
- iii. Marks: 700

8. List of references

I. Lectures notes

Course notes

Staff members print out of lectures and/or CD copies

ii. Essential books

o Hand book Of Plastic Surgery

iii. Recommended books

Grabb & Smith text book- Principle of Plastic Surgery

Iv. Periodicals, Web sites, ... etc

-international journal J of Plastic Surgery, pediatric Plastic Surgery

9. Signature

Contributor	Name	Signature	Date
Program Principle Coordinator:	Dr. Ahmed Kenawy Mousa		
Head of the Responsible Department	Pro. Samia Saed		
(Program Academic Director):			

ANNEX 2

Program Academic Reference Standards (ARS)

1- Graduate attributes for master degree plastic surgery

The Graduate (after residence training and master degree years of study) must:

- **1-** Have the capability to be a scholar, understanding and applying basics, methods and tools of scientific research and clinical audit *in Plastic surgery*.
- 2- Appraise and utilise scientific knowledge to continuously update and improve clinical practice in related specialty.
- 3- Acquire sufficient medical knowledge in the basic biomedical, clinical, behavioural and clinical sciences, medical ethics and medical jurisprudence and apply such knowledge in patient care in the field of *Plastic surgery*.
- 4- Provide patient care that is appropriate, effective and compassionate for dealing with common health problems and health promotion using evidence-based and updated information.
- 5- Identify and share to solve health problems in his specialty.
- 6- Acquire all competencies –including the use of recent technologies- that enable him to provide safe, scientific, and ethical and evidence based clinical care including update use of new technology in *Plastic surgery*
- 7- Demonstrate interpersonal and communication skills that ensure effective information exchange with individual patients and their families and teamwork with other health professions, the scientific community and the public.
- 8- Function as supervisor, and trainer in relation to colleagues, medical students and other health professions.
- 9- Acquire decision making capabilities in different situations related to *Plastic* surgery.
- 10- Show responsiveness to the larger context of the health care system, including e.g. the organisation of health care, partnership with health care providers and managers, practice of cost-effective health care, health economics, and resource allocations.

- 11- Be aware of public health and health policy issues and share in system-based improvement of health care.
- 12- Show appropriate attitudes and professionalism.
- 13- Demonstrate skills of lifelong learning and maintenance of competence and ability for continuous medical education and learning in subsequent stages in *Plastic surgery* or one of its subspecialties.

2- Competency based Standards for clinical master degree graduates

2.1- Knowledge and understanding

By the end of the program, the graduate should demonstrate satisfactory knowledge and understanding of

- **2-1-A-** Established basic, biomedical, clinical, epidemiological and behavioral sciences related conditions, problem and topics.
- **2-1-B-** The relation between good clinical care of common health problems in the specialty and the welfare of society.
- **2-1-C-** Up to date and recent developments in common problems related to *Plastic surgery*.
- **2-1-D-** Ethical and medicolegal principles relevant to practice in *Plastic surgery*.
- **2-1-E** -Quality assurance principles related to the good medical practice in *Plastic* surgery.
- **2-1-F-** Ethical and scientific basics of medical research.

2.2- Intellectual skills:

By the end of the program, the graduate should be able to demonstrate the following:

- **2-2-A-** Correlation of different relevant sciences in the problem solving and management of common diseases of *Plastic surgery*.
- **2-2-B-** Problem solving skills based on data analysis and evaluation (even in the absence of some) for common clinical situations related to *Plastic surgery*.
- **2.2- C-** Demonstrating systematic approach in studying clinical problems relevant to *Plastic surgery*.
- **2-2-D-** Making alternative decisions in different situations in *Plastic surgery*.

2.3- Clinical skills

By the end of the program, the graduate should be able to

- **2-3-A** Provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.
- **2-3-B-** Demonstrate patient care skills relevant to *Plastic surgery* for patients with common diseases and problems.
- **2-3- C** Write and evaluate reports for situations related to the field of *Plastic surgery*.

2.4- General skills

By the end of the program, the graduate should be able to

- Competency-based outcomes for Practice-based Learning and Improvement
- **2-4-A-** Demonstrate practice-based learning and improvement skills that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence,, improvements in patient care and risk management.
- **2-4-B-** Use all information sources and technology to improve his practice.
- **2-4-C-** Demonstrate skills of teaching and evaluating others.
 - Competency-based objectives for Interpersonal and Communication Skills
- **2-4-D-** Demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and other health professionals.

Competency-based objectives for Professionalism

2-4-E- Demonstrate professionalism behaviors, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.

Competency-based objectives for Systems-based Practice

- **2-4-F-** Demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively use system resources to provide care that is of optimal value.
- **2-4-g-** Demonstrate skills of effective time management.
- **2-4-H** Demonstrate skills of self and continuous learning.

Annex 3, Methods of teaching/learning

Annex 3, Methods of teaching/learning

	Patient care	Medical knowledge	Practice-based learning/ Improvement	Interpersonal and communication skills	Professionalism	Systems- based practice
Didactic (lectures, seminars, tutorial)	Х	Х		Х	Х	Х
journal club,	Х	Х	Х			
Educational prescription	Х	Х	Х	Х	Х	Х
Present a case (true or simulated) in a grand round	Х	Х	Х	Х	Х	
Observation and supervision	Х		Х	Х	Х	Х
conferences		Х	Х	Х		Х

Written assignments	X	Х	Х	Х	Х	Х
Oral assignments	Х	Х	Х	Х	Х	Х

Teaching methods for knowledge

- Didactic (lectures, seminars, tutorial)
- journal club
- Critically appraised topic
- ❖ Educational prescription (a structured technique for following up on clinical questions that arise during rounds and other venues).
- Present a case (true or simulated) in a grand round
- Others

<u>Teaching methods for patient care</u>

- Observation and supervision /Completed tasks procedure/case logs
- On-the-job" training without structured teaching is not sufficient for this skill (checklists).
- Simulation is increasingly used as an effective method for skill/ teamwork training.

Teaching methods for other skills

- Written communication (e.g., orders, progress note, transfer note, discharge summary, operative reports, and diagnostic reports).
- Oral communication (e.g., presentations, transfer of care, interactions with patients, families, colleagues, members of the health care team) and/or non verbal skills (e.g., listening, team skills)
- Professionalism, including medical ethics, may be included as a theme throughout the program curriculum that includes both didactic and experiential components (e.g., may be integrated into already existing small group discussions of vignettes or case studies and role plays, computer-based modules) and may be modeled

by the faculty in clinical practice and discussed with the resident as issues arise during their clinical practice.

Annex 4, Assessment methods

Annex 4, ILOs evaluation methods for Master Degree students.

Method	Practical skills	К	Intellectual	General skills			
	Patient care	К	_	Practice-based learning/ Improvement	Interpersonal and communication skills	Professionalism	Systems-based practice
Record review	Х	Х	Х		Х	Х	Х
Checklist	Х				Х		
Global rating	Х	Х	Х	Х	Х	Х	Х
Simulations	Х	Х	Х	Х	Х	Х	

Portfolios	Х	Х	Х	Х	Х		
Standardized oral examination	Х	Х	Х	X	X		Х
Written examination	Х	Х	Х	х			Х
Procedure/ case log	Х	Х					
OSCE	х	х	х	х	х	х	х

Annex 4, Glossary of Master Degree doctors assessment methods

- Record Review Abstraction of information from patient records, such as medications or tests ordered and comparison of findings against accepted patient care standards.
- Chart Stimulated Recall Uses the MSc doctor's patient records in an oral examination to assess clinical decision-making.
- Mini clinical evaluation: Evaluation of Live/Recorded Performance (single event) A single resident interaction with a patient is evaluated using a checklist. The encounter may be videotaped for later evaluation.
- Standardized Patients (SP) Simulated patients are trained to respond in a manner similar to real patients. The standardized patient can be trained to rate MSc doctor's performance on checklists and provide feedback for history taking, physical examination, and communication skills. Physicians may also rate the MSc doctor's performance.
- ❖ Objective Structured Clinical Examination (OSCE) A series of stations with standardized tasks for the MSc doctors to perform. Standardized patients and other assessment methods often are combined in an OSCE. An observer or the standardized patient may evaluate the MSc doctors.

- Procedure or Case Logs MSc doctors prepare summaries of clinical experiences including clinical data. Logs are useful to document educational experiences and deficiencies.
- PSQs Patients fill out Patient Survey questionnaires (PSQs) evaluating the quality of care provided by a MSc doctors.
- Case /problems assess use of knowledge in diagnosing or treating patients or evaluate procedural skills.
- Models: are simulations using mannequins or various anatomic structures to assess procedural skills and interpret clinical findings. Both are useful to assess practice performance and provide constructive feedback.
- ❖ 360 Global Rating Evaluations MSc doctors, faculty, nurses, clerks, and other clinical staff evaluate MSc doctors from different perspectives using similar rating forms
- ❖ Portfolios A portfolio is a set of project reports that are prepared by the MSc doctors to document projects completed during the MSc study years. For each type of project standards of performance are set. Example projects are summarizing the research literature for selecting a treatment option, implementing a quality improvement program, revising a medical student clerkship elective, and creating a computer program to track patient care and outcomes.
- ❖ Examination MCQ A standardized examination using multiple-choice questions (MCQ). The in-training examination and written board examinations are examples.
- ❖ Examination Oral Uses structured realistic cases and patient case protocols in an oral examination to assess clinical decision-making.
- Procedure or Case Logs MSc doctors prepare summaries of clinical experiences including clinical data. Logs are useful to document educational experiences and deficiencies.
- PSQs Patients fill out Patient Survey questionnaires (PSQs) evaluating the quality of care provided by MSc doctors.

Annex 5,

Program evaluation tools

By whom	Method	sample
Quality Assurance Unit	Reports	#
	Field visits	
External Evaluator	Reports	#
(s):According to	Field visits	
department council		
External Examiner (s):		
According to department		
council		
Stakeholders	Reports	#
	Field visits	
	questionnaires	
Senior students	questionnaires	#

Alumni	questionnaires	#

Annex 6, Program Correlations:

مصفوفة توافق المعايير القومية القياسية العامة لبرامج الماجستير مع المعايير الأكاديمية المعتمدة من كلية الطب – جامعة أسوان لدرجة الماجستير في جراحة التجميل

I- National Academic Reference Standards (NARS) versus Program ARS 1- Graduate attributes

Faculty ARS	NARS
1- Have the capability to be a scholar, understanding and applying basics, methods and tools of scientific research and clinical audit in <i>plastic surgery</i> .	1- إجادة تطبيق أساسيات و منهجيات البحث العلمي واستخدام أدواته المختلفة

2 - Appraise and utilise scientific knowledge to continuously update and improve clinical practice in plostic surgery. 3 - Acquire sufficient medical knowledge in the basic biomedical, clinical, behavioural and clinical sciences, medical ethics and medical jurisprudence and apply such knowledge in patient care in plostic surgery. 4 - Provide patient care that is appropriate, effective and compassionate for dealing with common health problems and health promotion using evidence-based and update information. 5 - Identify and share to solve health problems in plostic surgery. 6 - Acquire all competencies that enable him to provide safe, scientific, ethical and evidence based clinical care including update use of new technology in plostic surgery. 7 - Demonstrate interpersonal and communication skills that ensure effective information exchange with individual patients and their families and teamwork with other health professions, the scientific community and the public. 8 - Function as supervisor, and trainer in relation to colleagues, medical students and other health care system, including eg., the organisation of health care system, including eg., the organisation of health care, partnership with health care providers and managers, practice of cost-effective health care, health economics, and resource allocations. 11 - Be aware of public health and health policy issues and share in system-based improvement of health care. 12 - Show appropriate attitudes and professionalism.		
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	22 Show appropriate attitudes and professionalism.	
الالتزام بقواعد المهنة		

13- Demonstrate skills of lifelong learning and maintenance of competence and ability for continuous medical education and learning in subsequent stages in *plastic surgery* or one of its subspecialties.

12-تنمية ذاته أكاديميا و مهنيا و قادرا على التعلم المستمر

2. Academic standard

Faculty ARS	NARS
2.1.A -Established basic, biomedical, clinical, epidemiological and behavioral sciences related conditions, problems and topics.	1-2−أ النظريات و الأساسيات المتعلقة بمجال التعلم وكذا في المجالات ذات العلاقة.
2.1.B- The relation between good clinical care of common health problems in plastic surgery and the welfare of society.	1−2 -ب التأثير المتبادل بين الممارسة المهنية وانعكاسها علي البيئة.
2.1. C- Up to date and recent developments in common problems related to plastic surgery.	2-1-ج-التطورات العلمية في مجال التخصص.
2.1. D- Ethical and medicolegal principles relevant to practice in the <i>Plastic Surgery</i> .	1-2 -د المبادئ الأخلاقية و القانونية للممارسة المهنية في مجال التخصص.
2.1. E-Quality assurance principles related to the good medical practice in <i>Plastic Surgery</i> .	2-1-هـ مبادئ و أساسيات الجودة في الممارسة المهنية في مجال التخصيص
2.1. F- Ethical and scientific basics of medical research.	2-1-و - أساسيات وأخلاقيات البحث العلمي
2.2. A-Correlation of different relevant sciences in the problem solving and management of common diseases of <i>Plastic Surgery</i> .	2-2-أ تحليل و تقييم المعلومات في مجال التخصص والقياس عليها لحل المشاكل
2.2. B- Problem solving skills based on data analysis and evaluation (even in the absence of some) for common clinical situations related to <i>Plastic Surgery</i> .	

2.2. B- Problem solving skills based on data analysis and	2-2-ب- حل المشاكل المتخصصة مع عدم توافر بعض المعطيات
evaluation (even in the absence of some) for	ے کے باکستان المستان کے سام بورٹر باکن
common clinical situations related to <i>Plastic</i>	
Surgery.	
2.2. A-Correlation of different relevant sciences in the	2-2-ج- الربط بين المعارف المختلفة لحل المشاكل المهنية
problem solving and management of common	
diseases of <i>Plastic Surgery</i> .	
2.2. C- Demonstrating systematic approach	2-2-د- إجراء دراسة بحثية و /أو كتابة دراسة علمية منهجية حول مشكلة
in studying clinical problems relevant to the	بحثية
Plastic Surgery.	
2.4.A-Demonstrate practice-based	2-2هـ- تقييم المخاطر في الممارسات المهنية في مجال التخصص
learning and Improvement skills that involves	
investigation and evaluation of their own patient care, appraisal and assimilation of scientific	
evidence, improvements in patient care and risk	
management	
2.4.A-Demonstrate practice-based	2-2-و – التخطيط لتطوير الأداء في مجال التخصص
learning and Improvement skills that involves investigation and evaluation of their own patient	
care, appraisal and assimilation of scientific	
improvements in patient care and evidence,	
risk management	
2.2.D- Making alternative decisions in different situations in the field	2-2-ز – اتخاذ القرارات المهنية في سياقات مهنية متنوعة
of <i>Plastic Surgery</i>	
2.3.A- provide patient care that is	2-3-أ- إنقان المهارات المهنية الأساسية و الحديثة في مجال التخصص
compassionate, appropriate, and effective	
for the treatment of health problems and the	
promotion of health.	
2.3.B- Demonstrate patient care	
skills relevant to <i>Plastic Surgery</i> for	
patients with common diseases and problems.	
2.3.C- Write and evaluate reports for Situation related to <i>Plastic Surgery</i> .	2-3-ب- كتابة و تقييم التقارير المهنية
2.3.A- provide patient care that is compassionate,	2-3-ج- تقييم الطرق و الأدوات القائمة في مجال التخصص
appropriate, and effective for the treatment of	ع کی کی در این کا میروزی کا میروزی کی
health problems and the promotion of health.	
2.3.B- Demonstrate patient care skills relevant to that specialty for patients with	
common diseases and problems.	
2.4.D- Demonstrate interpersonal and communication	2-4-أالتواصل الفعال بأنواعه المختلفة
skills that result in effective information]
exchange and teaming with patients, their	
families, and other health professionals.	

2.4.A-Demonstrate practice-based	2-4-ب- استخدام تكنولوجيا المعلومات بما يخدم الممارسة المهنية
learning and improvement skills that involves investigation and evaluation of their own patient	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
care, appraisal and assimilation of scientific	
evidence, improvements in patient care and risk management	
2.4.B- Use all information sources and	
technology to improve his practice.	
2.4.A-Demonstrate practice-based learning and improvement skills that involves	2-4-ج- التقييم الذاتي وتحديد احتياجاته التعلمية الشخصية
investigation and evaluation of their own patient	
care, appraisal and assimilation of scientific	
evidence, improvements in patient care and risk management	
2.4.B- Use all information sources	
and technology to improve his practice.	
2.4.E-Demonstrate professionalism behavior, as	
manifested through a commitment to carrying out professional responsibilities, adherence to ethical	
principles, and sensitivity to a diverse patient	
population.	
2.4.A-Demonstrate practice-based learning and improvement skills that involves	2-4-د- استخدام المصادر المختلفة للحصول على المعلومات و المعارف
investigation and evaluation of their own patient	
care, appraisal and assimilation of scientific	
evidence, , improvements in patient care and risk management.	
2.4. C- Demonstrate skills of teaching and evaluating	2-4-هـ وضع قواعد ومؤشرات تقييم أداء الآخرين
others.	
2.4. F- Demonstrate an awareness of and responsiveness to the larger context and	2-4-و - العمل في فريق ، وقيادة فرق في سياقات مهنية مختلفة
system of health care and the ability to	
effectively use system resources to	
provide care that is of optimal value.	
2.4.G- Demonstrate skills of effective time management.	2-4-ز – إدارة الوقت بكفاءة
2.4.H- Demonstrate skills of self and continuous learning.	2-4-ح- التعلم الذاتي و المستمر

Comparison between ARS and ILOS for master degree in Plastic Surgery

(ARS)	(ILOs)

2-1- Knowledge and understanding	2-1- Knowledge and understanding
2-1-A- Established basic, biomedical, clinical, epidemiological and behavioral sciences related conditions, problem and topics.	 2-1-A- Explain the essential facts and principles of relevant basic sciences including, , Physiology, histology, Pathology, Anatomy related to Plastic Surgery. 2-1-B- Mention essential facts of clinically supportive sciences including Basics of General surgery and dermatology related to Plastic Surgery. 2-1-C- Demonstrate sufficient knowledge of etiology, clinical picture, diagnosis, prevention and treatment of the common diseases and situations related to Plastic Surgery.
2-1-B The relation between good clinical care of common health problem in the Plastic Surgery. and the welfare of society.	2-1-H- State the impact of common health problems in the field of Plastic Surgery. on the society and how good clinical practice improve these problems.
2-1-C- Up to date and recent developments in common problems related to the field of Plastic Surgery	2-1-C- Demonstrate sufficient knowledge of etiology, clinical picture, diagnosis, prevention and treatment of the common diseases and situations related to Plastic Surgery 2-1-D- Give the recent and update developments in the pathogenesis, diagnosis, prevention and treatment of common diseases related to Plastic Surgery
2-1-D- Ethical and medicolegal Principles relevant to practice in the Plastic Surgery field.	2-1-E- Mention the basic ethical and medicolegal principles that should be applied in practice and are relevant to the field of Plastic Surgery.
2-1-E -Quality assurance principles related to the good medical practice in the Plastic Surgery field.	2-1-F- Mention the basics and standards of quality assurance to ensure good clinical practice in the field of Plastic Surgery.
2-1-F- Ethical and scientific basics of medical research.	2-1-G- Mention the ethical and scientific principles of medical research methodology.

 2-2- Intellectual skills: 2-2-A-Correlation of different relevant sciences in the problem solving and management of common diseases of the Plastic Surgery. 	 2-2- Intellectual skills: 2-2-A- Correlate the facts of relevant basic and clinically supportive sciences with clinical reasoning, diagnosis and management of common diseases of the Plastic Surgery.
2-2-B-Problem solving skills based on data analysis and evaluation (even in the absence of some) for common clinical situations related to Plastic Surgery.	2-2-B- Demonstrate an investigatory and analytic thinking approach (problem solving) to common clinical situations related to Plastic Surgery.
2-2-C- Demonstrating systematic approach in studding clinical problems relevant to the Plastic Surgery field.	2-2-C- Design and /or present a case or review (through seminars/journal clubs.) in one or more of common clinical problems relevant to the Plastic Surgery field.

continuous ((ARS))	continuous ([LOS])
2-3- Clinical skills:	2/3/1/Practical skills (Patient Care :)
 2-3-A- Provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health. 2-3-B- Demonstrate patient care skills relevant to that Plastic Surgery for patients with common diseases and problems. 	 2-3-1-A- Obtain proper history and examine patients in caring and respectful behaviors. 2-3-1-B- Make informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence, and clinical judgment for common conditions related to Plastic Surgery. 2-3-1-C- Carry out patient management plans for common
	conditions related to Plastic Surgery. 2-3-1-D- Use information technology to support patient care decisions and patient education in common

	clinical cituations related to Diastic Company
	clinical situations related to Plastic Surgery.
	2-3-1-E - Perform competently non invasive and invasive procedures considered essential for the Plastic Surgery.
	2-3-1-F- Provide health care services aimed at preventing health problems related to Plastic Surgery.
	2-3-1-G- Provide patient-focused care in common conditions related to Plastic Surgery. , while working with health care professionals, including those from other disciplines.
2-3-C- Write and evaluate reports for situations related to the field of Plastic Surgery.	-3-1-H Write competently all forms of patient charts and sheets including reports evaluating these charts and sheets. (Write a consultation note, Inform patients of a diagnosis and therapeutic plan, completing and maintaining medical records).
2-4- General skills	2/3/2 General skills
2-4-A- Demonstrate practice-based learning and improvement skills that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, improvements in patient care and risk management	 2-3-2-A- Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks). 2-3-2-B- Appraises evidence from scientific studies. 2-3-2-C- Conduct epidemiological studies and surveys.
2-4-B- Use all information sources and technology to improve his practice.	2-3-2-C- Conduct epidemiological studies and surveys. 2-3-2-D.Perform data management including data entry and analysis and using information technology to manage information, access on-line medical information; and support their own education.
2-4-C- Demonstrate skills of teaching and evaluating others.	2-3-2-E- Facilitate learning of students other health care professionals including their evaluation and assessment.
2-4-D- Demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and other health professionals.	 2-3-2-F- Maintain therapeutic and ethically sound relationship with patients. 2-3-2-G- Elicit information using effective nonverbal, explanatory, questioning, and writing skills. 2-3-2-H- Provide information using effective nonverbal, explanatory, questioning, and writing skills. 2-3-2-I- Work effectively with others as a member of a
	health care team or other professional group.

2-4-E-Demonstrate professionalism behaviors, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.	 2-3-2-J- Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society. 2-3-2-K- Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, business practices. 2-3-2-L-Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.
2-4-F- Demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively use system resources to provide care that is of optimal value.	2-3-2-M-Work effectively in relevant health care delivery settings and systems including good administrative and time management 2-3-2-N- Practice cost-effective health care and resource allocation that does not compromise quality of care. 2-3-2-O- Assist patients in dealing with system complexities.
2-4-G - Demonstrate skills of effective time management	2-3-2-M-Work effectively in relevant health care delivery settings and systems including good administrative and time management
2-4-H- Demonstrate skills of self and continuous learning.	2-3-2-A- Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks).

III-Program matrix Knowledge and Understanding

Course	2/1/A	2/1/B	2/1/C	2/1/D	2/1/E	2/1/F	2/1/G	2/1/H
Course 1 : General	✓	✓	✓	✓	✓	✓	✓	✓
surgery								
Course 2 : Pathology	√							
Course 3: Anatomy	✓							
Course 4:	✓							
Histology								
course 5: Physiology	√							
& Biochemistry								
Course 6 :	√	√	√	√	✓	√	√	√
Pharmacology &								

Microbiology				

Course 1 : General surgery	✓	√	√	√
Course 2 : Pathology	✓			
Course 3: Anatomy	✓	✓		
Course 4: Histology	√			
course 5: Physiology & Biochemistry	√			
Course 6: Pharmacology & Microbiology	√	√	√	√

Intellectual Patient care

Course	2/3/1/A	2/3/1/B	2/3/1/C	2/3/1/D	2/3/1/E	2/3/1/F	2/3/1/G	2/3/1/H
Course 1 : General	✓	✓	✓	✓	✓	✓	✓	
surgery								
Course 2 : Pathology				✓				
Course 3:-Anatomy								
Course 4:				✓				
Histology								
course 5: Physiology				✓				
& Biochemistry								

Course 6:	✓	✓	✓	✓	✓	✓	✓	
Pharmacology &								
Microbiology								

General Skills

Course	2/3/2 /A	2/3/2/B	2/3/2/C	2/3/2/D	2/3/2/E	2/3/2/F	2/3/2/G	2/3/2/H
Course 1 : General	✓	√	✓	✓	✓	✓	✓	√
surgery								
Course 2 : Pathology				✓			✓	
Course 3: anatomy				✓			✓	
Course 4:				✓			✓	
Histology								
course 5 : Physiology				✓			✓	
& Biochemistry								
Course 6 :	✓	✓	✓	✓	✓	✓	✓	✓
Pharmacology &								
Microbiology								

General Skills

Course	2/3/2/I	2/3/2/J	2/3/2/K	2/3/2/L	2/3/2/M	2/3/2/N	2/3/2/0
Course 1 : General	✓	✓	✓	✓	✓	✓	✓
surgery							
Course 2 : Pathology		✓			✓		
Course 3: anatomy		✓			✓		
Course 4:		✓			✓		
Histology							
course 5: Physiology &		✓			✓		
Biochemisrty							

Course 6 : Pharmacology	✓	✓	✓	✓	✓	✓	✓
& Microbiology							

Annex 7, Additional information:

Department

information:

Department of Plastic Surgery Faculty of medicine Aswan University

Staff members:

- Dr. Ahmed Abdelrahim Kenawy mousa
- Dr. Mohamad Mahmoud Al-Oteify
- Dr. Mahmoud Sayed Abdel-Hamid
- Dr. Yasser Ezzat
- Dr. Osama El-Banna

Department quality control insurance for completing the program:

- Evaluation by the Department head and stuff members.
- Regular assessments.
- Log book monitoring.
- Recent equipments and Specialized Units.

(End of the program specifications)