



MASTER (MSC) DEGREE PROGRAM AND COURSES SPECIFICATIONS FOR PLASTIC AND RECONSTRUCTIVE SURGERY

(According to currently applied bylaws)

Plastic and Reconstructive Surgery
Department
Faculty of medicine
Assiut University
2022-2023/2023-2024

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Master degree of Plastic and Reconstructive 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- Assiut University
- Program Academic Director (Head of the Department):
 Prof. Prof. Mohamed Elshazly
- Coordinator (s):

Principle coordinator: Prof. Osama Yassin
Assistant coordinator (s) Dr. Mohamed Elsheref

Internal evaluators: Prof. Assem Hessian

- External evaluator: Prof. Ma'amoon Isameil
- **♣** Date of Approval by the Faculty of Medicine Council of Assiut University: 23/9/2017
- ♣ Date of most recent approval of program specification by the Faculty of Medicine Council of Assiut University: 27 /11/2022
- **Total number of courses**: 7 courses + 1 elective course
 - First part: 6 courses
 - Second 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- Intended learning outcomes (ILOs) *for the whole program*:

2/1Knowledge and understanding:

- A. Explain the essential facts and principles of relevant basic sciences including Pathology, Anatomy, Histology and Physiology, pharmacology, Microbiology 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 medico-legal 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.

2/2 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.

2/3 Skills

2/3/1 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)

2/3/2 General skills

Including:

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

Practice-Based Learning and Improvement

- A. Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks).
- B. Appraises evidence from scientific studies.
- 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

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

In preparing these standards, the General Academic Reference Standards for post graduate programs (GARS) were adopted. These standards set out the graduate attributes and academic characteristics that are expected to be achieved by the end of the program. These standards were approved by the Faculty Council on 17-6- 2009. These standards were revised and approved without changes by Faculty Council on 23-9-2014.

These standards were re-revised and approved without changes by Faculty Council on 26-11-2022.

4- Program External References

- 1. ACGME (Accreditation Council for Graduate Medical Education).
- 2. (Stanford Comprehensive Plastic Surgery Curriculum) https://www.plasticsurgery.stanford.edu/education/residency.html
- 3. The Plastic Surgery residency program

The University of Texas Medical Branch, Division of Plastic Surgery, 6.124 McCullough Bldg. 301 University Boulevard, Galveston, Texas 77555-0724, PHONE: (409) 772-8119, FAX: (409) 772-1872.

https://www.utmb.edu/surgery/ResidentHandbook%2009.DOC

Con	Comparison between program and external reference			
Item	Master degree of Plastic Surgery Assuit university	The Plastic Surgery residency program at The University of Texas Medical Branch, Division of Plastic		
	Hospital	Surgery		
Goals	Matched	Matched		
ILOS	Matched	Matched		
Duration	3-5 years	5 years		
Requirement	Different	different		
Program	Different	different		
structure				

5. Program Structure and Contents

A. Duration of program: 3 – 5 years

B. Structure of the program:

Total number of credit point: 180 (20 out of them for thesis) Didactic 40 (22.2 %), practical 120 (66.7 %), thesis 20 (11.1%) total 180

First part

Didactic 14 (35 %), practical 24 (60 %), elective course 2

CP (5%), total 40

Second part

Didactic 24, (20% %) practical 96 (80 %) total 120

According the currently applied credit points bylaws:

Total courses 160 credit point ``

Compulsory courses: 98.75%

Elective course: 2 credit point =1.25%

	Credit points	% from total
Basic science courses	24	13.3%
Humanity and social courses	2	1.1%
Speciality courses	134	74.5%
Others (Computer,)		
Field training	120	66.7%
Thesis	20	11.1%

C. Program Time Table

A. Duration of program 3 years maximally 5 years divided into

○ Part 1: (One year)

Program-related basic science courses and ILOs Students are allowed to sit the exams of these courses after 12 months from applying to the MSc degree.

One elective course can be set during either the 1st or 2nd parts.

Thesis

For the MSc thesis;

MSc thesis subject should be officially registered within 6 months from application to the MSc degree,

Discussion and acceptance of the thesis could be set after 12 months from registering the MSc subject;

It should be discussed and accepted before passing the second part of examination)

Part 2 (2 years)

Program –related specialty courses and ILOs

Students are not allowed to sit the exams of these courses before 3 years from applying to the MSc degree.

The students pass if they get 50% from the written exams and 60% from oral and clinical/practical exams of each course and 60% of summation of the written exams, oral and clinical/practical exams of each course

Total degrees 1900 marks.

700 marks for first part

1200 for second part

Written exam 40% - 70%.

Clinical /practical and oral exams 30% - 60%.

Curriculum Structure: (Courses):

Year 1

The first year of the fellowship is primarily for basic science related medical knowledge and a clinical year during which the fellows gain experience with a wide variety of patients in inpatient and outpatient settings develop satisfactory level 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 formulate clinical assessments and therapeutic plans in a satisfactory manner;

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 Pathway

Thesis in one of these points

- دراسة إكلينيكية Clinical trial.
- بحث مرجعي منهجي Meta Analysis/ Systematic Review.
 - تدقیق إکلینیکی Clinical Audit.
 - در اسات میدانیة Epidemiological Studies
 - در اسة بحثية تجربيية في العلوم الاساسية.

Levels and courses of the program:

Modules/ Units delivering courses	Course			
and student work load list	Code	Didactic	training	Total
		(credit point)		point
First Part				
Basic science courses (8CP)				
Course1: Anatomy	PLS 201	1.5 credit point	-	1.5
Course 2: Histology	PLS 202	1 credit point	-	1
Course 3: Physiology & Biochemistry.	PLS 213 A	[‡] 2 credit point	-	2
Course 4: Pathology	PLS 203	1.5 credit point	-	1.5
Course 5 Pharmacology& microbiology	PLS 213 B#	2 credit point	-	2
Course6:General Surgery	PLS 211	6 credit point	10 credit point	16
Plastic surgery	PLS213 C	-	14 credit point	14
Elective course (one course)	-	2	-	2
Total of first part		14	24	40
Second Part	Speciality courses Speciality Clinical Work (log Book)			()
Speciality Courses Course 7 Plastic surgery	PLS213 (96	120
Third Part (Thesis)		 	<u>I</u>	20
Total credit point of the		40	120	180
program				

Elective courses can be taken during either the 1st or 2nd parts.

Student work load calculation:

Work load hours are scheduled depending on the type of activities and targeted competences and skills in different courses

Elective Courses#:

- Medical statistics.
- o Evidence based medicine.
- Medicolegal Aspects and Ethics in Medical Practice and Scientific Research
- Quality assurance of medical education
- Quality assurance of clinical practice.
- o Hospital management

One of the above mentioned courses are prerequisites for fulfillment of the degree.

Thesis:

20 CP are appointed to the completion and acceptance of the thesis.

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:

- MBBCh Degree form any Egyptian Faculties of Medicine
- Equivalent Degree from medical schools b. abroad approved by the Ministry of Higher Education

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 registering to the MSc degree.
- **Examination** of the second part cannot be set before **3** years from registering to the degree.
- ♣ Discussion of the MSc thesis could be set after 1 year from officially registering the MSc subject before setting the second part exams.
- ♣The minimum duration of the program is 3 years.

The students are offered the degree when:

- 1. Passing the exams of all basic science, elective and specialty courses of this program as regulated by the post graduates approved rules by the faculty council.
- 2. Completing all scheduled CP and log book (minimum 80%).
- 3. Discussion and acceptance of the MSc thesis.

9- Program assessment methods and rules (Annex IV)

Method	ILOs measured
Written examinations:	K & I
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:

Courses				Degrees	
First Part	Course	Written	Oral	Practical /	Total
	code	Exam	Exam	Clinical	
				Exam	
Basic science cours	ses:				
Anatomy	PLS 201	50	25	-	75
Histology	PLS 202	25	25	-	50
Pathology	PLS 203	50	25	-	75
Physiology&	PLS 213A#	50	50	-	100
Biochemistry. Pharmacology &	PLS 213B#	50	50	-	100
Microbiology	PLS 211				
General Surgery		150	60	90	300
		375	235	90	700
		Second Pa	art		
Speciality Courses:					
Plastic Surgery	PLS 213C		300	300	1200
Paper 1		150			
Paper 2		150			
Paper 3		150			
Paper 4		150			
Elective course		50	50		100

Examination system:

> First part:

- Written exam 2 hours in Anatomy + Oral exam
- Written exam 1 hours in Histology + Oral exam
- Written exam 2 hours in Physiology% Biochemistry + Oral exam
- Written exam 2 hours in Pathology + Oral exam
- Written exam 2 hours in Pharmacology & Microbiology+ Oral exam
- Written exam 3 hours in General Surgery + Oral exam+ Clinical exam.

Second part:

Written exam 4 papers 3 hours for each in Plastic Surgery +
 Oral exam+ Clinical /practical exam

10-Program evaluation

By whom	Method	sample
Quality Assurance	Reports	#
Unit	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 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:	Prof. Osama Yassin		9/2022
Head of the Responsible	Prof. Mohamed		
Department (Program	Elshazly		9/2022
Academic Director):			

Annex 1, Specifications for Courses / Modules

Annex 1: specifications for courses

First Part

Course 1- Anatomy

Name of department: Plastic surgery

Faculty of medicine Assiut University 2023-2024

1. Course data

- Course Title: anatomy related to plastic surgery
- Course code: PLS201
- Specialty: plastic surgery.
- Number of credit point. Didactic 1.5 (100%)
 Practical 0 (0%) total 1.5
- 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: 9/2022
- Requirements (prerequisites) if any :
 - 🚣 -None

2. Course aims

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

A-Knowledge and understanding

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

B-Intellectual outcomes

ILOs	Methods of teaching/ learning	Methods of 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

Practical = 0 CP

D-General Skills

Practice-Based Learning and Improvement

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Perform data management	-Observation and supervision	Log book
including data entry 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 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	-Observation	Logbook
integrity; a responsiveness to the needs of	-Senior staf	
patients and society	experience	

Systems-Based Practice

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

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

Time Schedule: First Part

Topic			
	Knowledge A	Intellectual B	General Skills D
1- Head, neck & scalp	A	A	A-E
2-Upper & Lower extremities	A	A	A-E
3- Abdomen & Pelvis	A	A	A-E
4- Thoracic cage	A	A	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: 75

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

Nour eldin text book

v. others

None

9. Signature		
Course Coordinator:	Head of the Department:	
Prof. Osama yassin Prof. Mohamed Elshazly		
Date: 9/2022	Date: 9/2022	

Course 2 Histology

Name of department: Plastic surgery Faculty of medicine

Assiut University 2022-2023/2023-2024

1. Course data

Course Title: Histology

Course code: PLS202

Specialty: Plastic surgery.

Number of credit point: Didactic 1 (100%) practical 0 (0%) Total 1

- 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: 9 / 2022
- 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/ learning	Methods of Evaluation
A. Mention the basics of general histology.	- Didactic	-Written and
B- Describe Histological details of	(lectures,	oral
1-Skin	seminars,	examination
2- Fat	tutorial)	- Log book
3-Stem cells	- journal club,	

B-Intellectual outcomes

ILOs	Methods of teaching/ learning	Methods of 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=0 CP

D-General Skills Interpersonal and Communication Skills

ILOs	Methods of teaching/ Learning	Methods of Evaluation
B. Elicit information using effective nonverbal, explanatory, questioning, and writing skills.	·	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	-Observation	Logbook
responsiveness to the needs of patients and society	-Senior staff	
	experience	

Systems-Based Practice

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

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

Time Schedule: First Part

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

- 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: 75

8. List of references

i. Lectures notes

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

ii. Essential books

o Text books written by the department of pathology

iii. Others

None

9. Signature

Course Coordinator:	Head of the Department:
Prof. Osama Yassin	Prof Mohamed Elshazly
Date: 9/2022	Date: 9/2022

Course 3 Physiology & Biochemistry

Name of department: Plastic surgery

Faculty of medicine
Assiut University
2022-2023/2023-2024

1. Course data

Course Title: Physiology & Biochemistry

Course code: PLS 213A#

- Speciality... plastic surgery.
- Number of Credit point : Didactic 2 (100%) practical 0 (0%) total 2
- 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: 9/2022
- Requirements (prerequisites) if any :
 - \rm -None

2. Course aims

The student should acquire the physiological facts and facts of biochemistry necessary for Plastic Surgery

3. Intending learning outcomes (ILOs):

A-Knowledge and understanding

ILOs	Methods of	Methods of
	teaching/	Evaluation
	learning	
A. Mention Physiologic Principles of:	- Didactic	-Written and
1-Acid Base balance	(lectures,	oral
2- Electrolytes	seminars,	examination
B. Mention Principles of:	tutorial)	- Log book
-Carbohydrates metabolism	- journal club,	
- 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 biochemistry 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 = 0 CP

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

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	-Observation	Logbook
settings and systems.	-Senior staff	
	experience	

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
1-Acid Base Balance	A	A	-	A-E
2- Electrolytes	A	A	-	A-E
3-Carbohydrates metabolism	A	A	-	A-E
4-Fat metabolism	A	A	-	A-E
5-Protein metabolism	A	A	-	A-E
6-Prostaglandins	A	A	-	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: 100

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

-Gytton book

v. others

None

9. Signature

Unit 1 (Physiology) Coordinator:	Head of the Department:
••••••	•••••
Date:	Date:
Unit 2 (Biochemistry) Coordinator:	Head of the Department:
Date:	Date:

Course 4 Pathology

Name of department: Plastic Surgery

Faculty of medicine
Assiut University
2022-2023/2023-2024

1. Course data

- Course Title: pathology related to plastic surgery
- Course code: PLS205
- Specialty: plastic surgery.
- Number of Credit point: Didactic 1.5 (100 %) practical 0 (0 %) Total 1.5
- 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: 9/2022
- 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	Methods of
	teaching/	Evaluation
	learning	
B-Describe Pathologic Details of:	- Didactic	-Written and
1. Wound healing	(lectures,	oral
2. Skin tumors	seminars,	examination
3. Soft tissue sarcoma	tutorial)	- Log book
4. Lymphatic	- journal club,	
5-Infection		

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 = 0CP

D-General Skills

Practice-Based Learning and Improvement

ILOs				Methods of t	eaching/		Methods of
				learning			Evaluation
A.	Perform	data	management	-Observation		and	Log book
inclu	uding data e	ntry and	analysis.	supervision			
				-Written	and	oral	
				communicati	on		

Interpersonal and Communication Skills

ILOs Methods of teaching/		Methods of
	learning	Evaluation
B. Elicit information using effective	-Observation and	Log book
nonverbal, explanatory, questioning, and	supervision	
writing skills.	-Written and oral	
	communication	
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	Observation	Logbook
integrity; a responsiveness to the needs of patients and society	-Senior staff experience	

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	1	A-E
b-Skin tumours	В	A	-	A-E
c- Soft tissue Sarcoma	В	A	-	A-E
d- Lymphatic	В	A	-	A-E
e- Infection	В	A	-	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: 75

8. List of references

i. Lectures notes

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

ii. Essential books

- o Gamal nada text book
- iii. None

9. Signature

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

Course 5 Pharmacology & Microbiology

Name of department: Plastic surgery

Faculty of medicine
Assiut University
2022- 2023/2023-2024

1. Course data

- Course Title: Pharmacology & Microbiology
- Course code: PLS 213B#
- Speciality: Plastic Surgery.
- Number of credit point : Didactic 2 (100%) practical 0(0%) total 2
- 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: 9/2022
- 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.
- -The student should acquire the basic fact of microbiology necessary for **plastic surgery**.

3. Course intending learning outcomes (ILOs):

A-Knowledge and understanding

ILOs	Methods of	Methods
	teaching/	of
	learning	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	Methods of
	teaching/	Evaluation
	learning	
A. Correlates the facts of pharmacology and	-Clinical	Procedure/case
microbiology with clinical reasoning, diagnosis	rounds	presentation
and management of common diseases related to	-Seilloi Stail	Log book and
plastic surgery.	experience	Portfolios

C-Practical skills OCP

C- General Skills

Practice-Based Learning and Improvement

ILOs	Methods of	Methods of
	teaching/	Evaluation
	learning	
A. Perform practice-based improvement activities	-Case log	-Portfolios
using a systematic methodology(audit, logbook)	-Observation	-Global
	and supervision	rating
	-Written & oral	-Simulation
	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	-Observation &	-Simulation
patients.	supervision	Record review
	Didactic	(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.		
K-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 3.360o 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	Methods of
	teaching/	Evaluation
	learning	
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. portionos

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

Time Schedule: First Part

Topic	Covered ILOs			
	Knowledge	Intellectual	Practical skill	General Skills
- General pharmacology	A,C,D-H	A-D	-	A-R
- Analgesics	A,D-H	A-D	-	A-R
- Corticosteroids	A,D –H	A-D	-	A-R
- Antibiotics	A,D-H	A-D	-	A-R
- Local anesthesia	A,C,D-H	A-D	-	A-R
- Immunology	A,C,D-H	A-D	-	A-R
- Nosocomial infection	A,C,D-H	A-D	-	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: 100

8. List of references

I. Lectures notes

Course notes

- Staff members print out of lectures and/or CD copies
- ii. Essential books
 - o 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...none

9. Signature

Unit 1 (Pharmacology) Coordinator:	Head of the Department:
••••••	••••••
Date:	Date:
Unit 2 (Microbiology) Coordinator:	Head of the Department:
•••••••	
Date:	Date:

Course 6 General surgery

Name of department: Plastic Surgery

Faculty of medicine
Assiut University
2023-2024

1. Course data

- Course Title: General surgery
- Course code: PLS211
- Specialty: Plastic Surgery.
- **♣** Total Number of credit point: Didactic 6 (37.5%) practical 10 (62.5%) total 16
- 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: 9/ 2022
- 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
A. Describe the etiology, clinical picture, diagnosis and management of the clinical surgical conditions related to different aspects of plastic surgery: - Shock - Classes of hemorrhage Lymphatic system - G.I.T system, Peritoneum and Omentum - Abdominal wall and hernias Surgical infections - Testis & Scrotum - Breast - Multiple injured patients	-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

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 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

2 michigatual outdomes			
Methods of	Methods of		
teaching/	Evaluation		
learning			
-Clinical	Procedure/case		
rounds	presentation		
-Senior staff	Log book and		
experience	Portfolios		
	teaching/ learning -Clinical rounds -Senior staff experience		

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	-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.	presentation Lecture - seminar - journal club -service teaching -Outpatient	- 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.	-Inpatient -Operative -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

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

Interpersonal and Communication Skills

interpersonal and communication skins			
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 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 of Evaluation
P. Work effectively in relevant health care delivery settings and systems.		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.		

4- 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	A	A-D	A-C,I	A-R
G.I.T system, peritoneum & omentum	A	A-D	A-C,I	A-R
Abdominal wall & Hernia	A	A-D	A-C,I	A-R
Breast	A	A-D	A-C,I	A-R
Testis & Scrotum	A	A-D		A-R
-Multiple injured patients	A,C	A-D	A-C,D,F,I	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: 300

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:

Second Part

Course 7 Plastic Surgery

1. Course data

- **Lesson** Course Title: Plastic Surgery
- Course code: PLS 213C
- Specialty: Plastic Surgery.
- Number of credit point: Didactic 24 (18%) Practical 110 (82%) Total 134(100%).
- **Department (s) delivering the course: Plastic Surgery**

Coordinator (s): Principle coordinator: Prof. Osama Yassin Assistant coordinator (s) Dr. Mohamed Elsheref

- Date last reviewed: 9/2022
- 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
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	-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	 Portfolios Case Log book Oral exam Written exam record review Global rating Simulation

	other venues)
	-Present a
	case (true or
	simulated) in
	a grand round
	-Others
B. Mention the principles of :	
-Epidemiology of Plastic Surgery related problems	
-Plastic Surgery related radiology	
-Diagnostic procedures	
C State update and evidence based Knowledge	
of:-	
Microsurgery in plastic surgery	
-Endoscopy in Plastic surgery	
-Biomaterials in plastic surgery	
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	Methods of
	teaching/	Evaluation
	learning	
A. Correlates the facts of relevant basic and	-Clinical	Procedure/case
clinically supportive sciences with clinical	rounds	presentation
reasoning, diagnosis and management of common	-Senior staff	Log book and
diseases related to Plastic Surgery.	experience	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/ 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	-Written and oral examination - Checklist evaluation of live or recorded performance - log book -Objective
	observation	structured

		aliniaal
	-case	clinical
	presentation	examination
		(OSCE)
B. Order the non invasive/invasive diagnostic	Lecture	- Log book
procedures Such as X-rays, C.T & M.R.I	- seminar	- Chick list
	- journal	
	club	
C. Interpret the non invasive/invasive diagnostic	-service	
procedures Such as X-rays, C.T & M.R.I	teaching	
	-Outpatient	
	-Inpatient	
	-Operative	
	-Direct	
	observation	
	-Case	
	presentation	
D. Perform the following non invasive/invasive	-Operative	-Log book
therapeutic procedures	-Direct	-Procedure
-Assist staff in different plastic & reconstructive	observation	presentation.
surgeries.	-Perform	-Checklist
	under	evaluation of
	supervision	live or
	of senior	recorded
	staff	performance
		-Objective
		structured
		clinical
		examination
F. Carry out patient management plans for common	Lecture	Written and
conditions related to Plastic Surgery.	- seminar	oral
<u> </u>	- journal	examination
	club	Log book
	-service	
	teaching	
	-outpatient	
	Jacpatient	

	-inpatient	
	-Operative	
	-Direct	
	observation	
	-case	
	presentation	
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	-Observation	-Simulation
relationship with patients.	&	Record
	Supervision	review
	Didactic	(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.		
E. 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 responsiveness to the needs of patients and society	-Case log Observation and supervision Written & oral communications	1.Objective structured clinical examination 2. Patient survey 3.360o 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 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,D-H	A-D	A-G,I,J	A-R
Maxillofacial surgeries	A,D-H	A-D	A-G,I,J	A-R
Congenital anomalies surgeries	A,D-H	A-D	A-G,I,J	A-R
Hand surgeries.	A,D-H	A-D	A-J	A-R
Reconstructive surgeries	B,D-H	A-D		-
Aesthetic surgeries	B,D-H	A-D	G	В,С
Burn surgeries	B,D-H	A-D	G	E,I
Post-traumatic reconstructive surgeries	B,D-H	A-D	G	E-I
-Plastic Surgery related radiology	В	A-D	G	D
-Diagnostic procedures				
Microsurgery in plastic surgery	A,C,D-H	A-D	D,G	D
Endoscopy in Plastic surgery	A,C,D-H	A-D	D,G	D
Biomaterials in plastic surgery	A,C,D-H	A-D	D,G	D
Laser in plastic surgert	A,C,D-H	A-D	D,G	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
- 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: 1200

8. List of references

I. Lectures notes

Course notes

Staff members print out of lectures and/or CD copies

ii. Essential books

- Hand book Of Plastic Surgery
- Essentials of plastic surgery 4th edition
- o Michigan plastic surgery 2015

iii. Recommended books

Grabb & Smith text book- Principle of Plastic Surgery Oxford plastic and reconstructive surgery 2019

Iv. Periodicals, Web sites, ... etc

-International journal of Plastic Surgery, pediatric Plastic Surgery

9. Signature

Contributor	Name Signature		Date
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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 speciality.
- 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 speciality.
- 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

	Patie nt care	Medical knowledge		and communicati	Professionalis m	Systems- based practice
Didactic (lectures, seminars, tutorial)	Х	Х		X	Х	Х
journal club,	Х	Х	Х			
Educational prescription	X	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	X	Х	Х
Oral assignments	Х	Х	X	X	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

Teaching methods for patient care

- 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

<u>Annex 4, ILOs evaluation methods for Master Degree</u> <u>students.</u>

Method	Practical skills	К	Intellectual		Gener	al skills	
	Patient Care	К	I	Practice-based learning/ Improvement	Interpersonal and communication skills	Professionalism	Systems-based practice
Record review	Х	X	Х		Х	Х	Х
Checklist	Х				Х		
Global rating	Х	Х	Х	Х	Х	Х	Х
Simulations	Х	X	Х	Х	Х	Х	
Portfolios	Х	Х	Х	Х	Х		
Standardized oral examination	Х	Х	Х	X	Х		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 decisionmaking.
- ❖ 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 multiplechoice 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	Reports	#
Unit	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 أسيوط لدرجة الماجستير في جراحة التكميل

I- General Academic Reference Standards (GARS) versus Program ARS

1- Graduate attributes

Faculty ARS	NAQAAE general ARS for Post Graduate
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 <i>plastic surgery</i> .	2-تطبيق المنهج التحليلي واستخدامه في مجال التخصص
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 <i>plastic</i> surgery.	3-تطبيق المعارف المتخصصة و دمجها مع المعارف ذات العلاقة في ممارسته المهنية
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.	4-إظهار وعيا بالمشاكل الجارية و الرؤى الحديثة في مجال التخصص
5- Identify and share to solve health problems in <i>plastic surgery</i> .	5-تحديد المشكلات المهنية و إيجاد حلو لا لها
6- Acquire all competencies that enable him to provide safe, scientific, ethical and evidence based clinical care including update use of new technology in <i>plastic surgery</i> .	6-إتقان نطاق مناسب من المهارات المهنية المتخصصة، واستخدام الوسائل التكنولوجية المناسبة بما يخدم ممارسته المهنية

 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. 	7-التواصل بفاعلية و القدرة على قيادة فرق العمل
9- Acquire decision making capabilities in different situations related to <i>Plastic Surgery</i> .	8-اتخاذ القرار في سياقات مهنية مختلفة
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.	9- توظيف الموارد المتاحة بما يحقق أعلي استفادة و الحفاظ عليها
11- Be aware of public health and health policy issues and share in system-based improvement of health care.	10-إظهار الوعي بدوره في تنمية المجتمع و الحفاظ على البيئة في ضوء المتغيرات العالمية و الإقليمية
12- Show appropriate attitudes and professionalism.	11-التصرف بما يعكس الالتزام بالنزاهة و المصداقية و 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 <i>plastic surgery</i> or one of its subspecialties.	12-تنمية ذاته أكاديميا و مهنيا و قادرا علي التعلم المستمر

2. Academic standard

Faculty ARS	NAQAAE general ARS for Post Graduate
2.1.A -Established basic, biomedical, clinical, epidemiological and behavioral sciences related conditions, problems and topics.	2-1-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 <i>plastic surgery</i> 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 <i>plastic surgery</i> .	1-2-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-ه مبادئ و أساسيات الجودة في الممارسة المهنية في مجال التخصص
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. 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-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-ب- حل المشاكل المتخصصة مع عدم توافر بعض المعطيات
2.2. A-Correlation of different relevant sciences in the problem solving and management of common diseases of <i>Plastic Surgery</i> .	2-2-ج- الربط بين المعارف المختلفة لحل المشاكل المهنية
2.2. C- Demonstrating systematic approach in studying clinical problems relevant to the <i>Plastic Surgery</i> .	2-2-د- إجراء دراسة بحثية و /أو كتابة دراسة علمية منهجية حول مشكلة بحثية
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	2-2هـ تقييم المخاطر في الممارسات المهنية في مجال التخصص
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	2-2-و - التخطيط لتطوير الأداء في مجال التخصص
2.2.D- Making alternative decisions in different situations in the field of <i>Plastic Surgery</i> .	2-2-ز - اتخاذ القرارات المهنية في سياقات مهنية متنوعة
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-أ- إتقان المهارات المهنية الأساسية و الحديثة في مجال التخصص
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	2-3-ب- كتابة و تقييم التقارير المهنية

Situation related to <i>Plastic Surgery</i> .	
2.3.A- provide patient care that is	2-3-ج- تقييم الطرق و الأدوات القائمة في مجال
compassionate, appropriate, and	التخصص
effective for the treatment of health	Oznera.
problems and the promotion of health.	
2.3.B- Demonstrate patient care skills	
relevant to that speciality for patients	
with common diseases and problems.	
2.4.D- Demonstrate interpersonal and	2-4-أ-التواصل الفعال بأنواعه المختلفة
communication 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
learning and improvement skills that	الممار سة المهنية
investigation and involves	
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	2-4-ج- التقييم الذاتي وتحديد احتياجاته التعلمية الشخصية
involves investigation and evaluation	
of their own patient care, appraisal and	
assimilation of scientific evidence,	
improvements in patient care and risk	
management	
management	
2.4.B- Use all information sources	
and technology to improve his	
practice.	
1	
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 investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, improvements in patient care and risk management.	2-4-د- استخدام المصادر المختلفة للحصول على المعلومات و المعارف
2.4. C- Demonstrate skills of teaching and evaluating others.	2-4-ه وضع قواعد ومؤشرات تقييم أداء الآخرين
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-و العمل في فريق ، وقيادة فرق في سياقات مهنية مختلفة
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, Biochemistry, Physiology, histology, Pathology, Anatomy, Pharmacology & Microbiology related to Plastic Surgery. 2-1-B- Mention essential facts of clinically supportive sciences including Basics of General surgery 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	2-1-E- Mention the basic ethical and medicolegal principles that should be applied in practice and are relevant to

Surgery field.	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.
<u>2-2- Intellectual skills</u> :	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-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

(ILOs)

2-3- Clinical skills:

- **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/Practical skills (Patient Care :)

- **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 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 online 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 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.

2-4-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).
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
	2-3-2-O - Assist patients in dealing with system complexities.
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.
2-4-F- Demonstrate an awareness of	2-3-2-L-Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.
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.	member of a health care team or other professional group. 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-I- Work effectively with others as a

III-Program matrix Knowledge and Understanding

Course	Program covered ILOs							
	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:	✓							
Anatomy								
Course 2:	√							
Histology								
course 3 :	√							
Physiology &								
Biochemistry								
Course 4 :	√							
Pathology								
Course 5 :	√							
Pharmacology &								
Microbiology								
Course 6 general	√	✓	✓	✓	✓	✓	✓	✓
surgery								
Course 7 Plastic	√	√	√	√	√	✓	√	√
surgery								

Intellectual

Course	Program covered ILOS						
	2/2/A	2/2/B	2/2/C	2/2/D			
Course 1: Anatomy	✓						
Course 2:	✓						
Histology							
course 3: Physiology &	✓						
Biochemistry							
Course 4 : Pathology	√						
Course 5 : Pharmacology				√			
& Microbiology							
Course 6 general surgery	✓	✓	✓	✓			
Course 7 Plastic surgery	✓	√	√	√			

Patient care

Course	Program covered ILOS							
	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:				✓	✓			
Anatomy								
Course 2:				✓	✓			
Histology								
course 3 :				✓	✓			
Physiology &								
Biochemistry								
Course 4 :				√	✓			
Pathology								
Course 5 :			√			√	√	
Pharmacology								
& Microbiology								
Course 6	√	√	√	√	✓	√	✓	
general surgery								
Course 7 Plastic	√	✓	√	√	√	√	√	√
surgery								

General Skills

Course	Program covered ILOS									
	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:				✓			✓			
Anatomy										
Course 2:				✓			✓			
Histology										
course 3 :				✓			✓			
Physiology &										
Biochemistry										
Course 4 :				✓			✓			
Pathology										
Course 5 :				✓			√			
Pharmacology &										
Microbiology										
Course 6 general	√	✓	✓	√	✓	✓	✓	✓		
surgery										
Course 7 Plastic	√	✓	✓	✓	✓	✓	✓	✓		
surgery										

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: Anatomy		✓			✓		
Course 2:		✓			✓		
Histology							
course 3 :		✓			✓		
Physiology &							
Biochemistry							
Course 4 :		✓			✓		
Pathology							
Course 5 :	✓	✓	✓	✓	✓	✓	✓
Pharmacology &							
Microbiology							
Course 6 general	✓	✓	✓	✓	✓	✓	✓
surgery							
Course 7 Plastic	✓	✓	✓	✓	✓	✓	✓
surgery							

Annex 7, Additional information:

Department information:

Department of Plastic Surgery Faculty of medicine Assiut University

Staff members:

- Prof. Mohamed Elshazly (Cheif)
- Prof. Mostafa El-Sonbaty
- Prof. Assem Hussein Kamel
- Prof. Youssef Saleh Hassan
- Prof. Mohamed Makbool
- Prof. Osama Yassin
- Prof. Ahmed Kamal
- Dr. Wael Saad El-Deen
- Dr. Mohamed Elsheref
- Dr Ahmed Tohamey
- Dr Tarek Raief
- Dr Wagdy Mohamed
- Dr Awany Mohamed
- Dr Mohamed Elyonsy
- Dr. Mahmoud AbdelAal
- Dr. Mahmoud Soliman

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)