

Peer Revision

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

Program Specification of Medical Doctorate Degree of Plastic Surgery

Sohag University

Faculty of Medicine

A- Basic Information

1. Program Title: MD degree in Plastic Surgery
2. Program Type: Single
3. faculty: Faculty of Medicine
4. Department: Plastic Surgery
5. Coordinator: Prof. Dr/ Gamal Yousef
6. Ass. Lecturer : Mohamed Abdel Aal Hasanyn
7. External Evaluator: Prof. Dr/ Hassan Badran
8. Last date of program specifications approval: Faculty council No. "317", decree No. "1533" dated 17/12/2018.

B- Professional Information

1- Program Aims:

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

- 1- Recent scientific knowledge essential for the mastery of practice of plastic surgery according to the international standards.
- 2- Skills necessary for proper diagnosis and management of patients including diagnostic, problem solving and decision making and operative skills.
- 3- Provision of sound ethical principles related to medical practice.
- 4- Active participation in community needs assessment and problems identification.
- 5- Maintenance of learning abilities necessary for continuous medical education.
- 6- Upgrading research interest and abilities.

2- Attributes of the student:

1. Efficient in carrying out the basics and methodologies of scientific research.
2. The continuous working to add new knowledge in the field of plastic surgery.
3. Applying the analytical course and critical appraisal of the knowledge in his specialty and related fields.
4. Merging the plastic surgical knowledge with the other related knowledge with conclusion and developing the relationships in between them.
5. Showing a deep awareness with the ongoing problems, theories, and advanced sciences in the specialty of plastic surgery.
6. Determination of the professional problems in the specialty of plastic surgery and creating solutions for them.
7. Efficient in carrying out the professional skills in his specialty.



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B- Professional Information

1- Program Aims:

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- 2- Skills necessary for proper diagnosis and management of patients including diagnostic, problem solving and decision making and operative skills.
- 3- Provision of sound ethical principles related to medical practice.
- 4- Active participation in community needs assessment and problems identification.
- 5- Maintenance of learning abilities necessary for continuous medical education.
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2- Attributes of the student:

1. Efficient in carrying out the basics and methodologies of scientific research.
2. The continuous working to add new knowledge in the field of plastic surgery.
3. Applying the analytical course and critical appraisal of the knowledge in his specialty and related fields.
4. Merging the plastic surgical knowledge with the other related knowledge with conclusion and developing the relationships in between them.
5. Showing a deep awareness with the ongoing problems, theories, and advanced sciences in the specialty of plastic surgery.
6. Determination of the professional problems in the specialty of plastic surgery and creating solutions for them.
7. Efficient in carrying out the professional skills in his specialty.

8. Using advanced suitable technologies which serves his practice.
9. Efficient communication and leadership of team work in his specialty.
10. Decision making through the available information.
11. Using the available resources efficiently and working to find new resources.
12. Awareness with his role in the development of the society and preserve environment.
13. Behaving in a way which reflects his credibility, accountability, and responsibility.
14. Keeping continuous self development and transfer his experiences and knowledge to others.

3- Program Intended Learning Outcomes (ILOs)

a) Knowledge and Understanding:

By the end of the program, the student is expected to gain the knowledge and understanding of:

- a1. Mention the recent advances in the normal structure and function of the craniofacial region, neck, trunk, extremities and intugemental system on macro and micro levels.
- a2. Enumerate recent advances in the normal growth and development of the craniofacial region, neck, trunk, extremities and intugemental system.
- a3. List the recent advances in the abnormal structure, function, growth and development of the craniofacial region, neck, trunk, extremities and intugemental system.
- a4. Enumerate recent advances in the natural history of the common and rare anatomical and pathological problems related to plastic, cranio-maxillofacial and reconstructive surgery.
- a5. Enumerate recent advances in the pathogenesis of diseases related to plastic, cranio-maxillofacial and reconstructive surgery.
- a6. Describe correlation of gross and histopathology with the clinical basis of diseases related to plastic, cranio-maxillofacial and reconstructive surgery.
- a7. List the clinical picture and differential diagnosis of the diseases related to plastic, cranio-maxillofacial and reconstructive surgery.
- a8. Enumerate recent advances in the common diagnostic and laboratory techniques necessary to establish diagnosis of the diseases related to plastic, cranio-maxillofacial and reconstructive surgery.
- a9. Describe recent advances in the various therapeutic methods/alternatives used for the diseases related to plastic, cranio-maxillofacial and reconstructive surgery.
- a10. Describe recent advances and genetic background in the diseases related to plastic, cranio-maxillofacial and reconstructive surgery.
- a11. Illustrate Principles, methodologies, tools and ethics of scientific research
- a12. Enumerate the principles and fundamentals of ethics and legal aspects of professional practice in the field of plastic surgery
- a13. Enumerate the principles and fundamentals of quality assurance of professional practice in the field of Plastic Surgery

- a14. Enumerate the effect of professional practice on the environment and the methods of environmental development and maintenance.
- a15. Enumerate the basics and legal aspects of writing primary medical reports
- a16. Describe the recent advances in biostatistics and computer.
- a17. Describe the recent advances in research methodology and the concept of bias, confounding and chance
- a18. Describe the principles of evidence based medicine.

b) Intellectual Skills

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

- b1. Interpret data acquired through history taking to reach a provisional diagnosis for plastic, cranio-maxillofacial and reconstructive surgery related diseases.
- b2. Select from different diagnostic alternatives the ones that help reaching a final diagnosis for plastic, cranio-maxillofacial and reconstructive surgery related diseases.
- b3. Conduct research studies that add to knowledge.
- b4. Formulate scientific papers in the area of Plastic Surgery
- b5. Assess risk in professional practices in the field of Plastic Surgery
- b6. Plan to improve performance in the field of Plastic Surgery
- b7. Identify plastic, cranio-maxillofacial and reconstructive problems and find solutions.
- b8. Have the ability to innovate nontraditional solutions to plastic, cranio-maxillofacial and reconstructive problems.
- b9. Manage Scientific discussion based on scientific evidences and proofs.
- b10. Criticize researches related to **Plastic Surgery**
- b11. Collect and verify data from different sources
- b12. Interpret data to diagnose prevalent plastic, cranio-maxillofacial and reconstructive problems in the community.

c) Professional and Practical Skills

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

- c1. Collect the basic and modern professional skills in the area of Plastic Surgery
- c2. Write and evaluate medical reports.
- c3. Evaluate and develop methods and tools existing in the area of Plastic Surgery
- c4. Use technological methods to serve the professional practice.
- c5. Plan for the development of professional practice and development of the performance of others.
- c6. Train to develop new methods, tools and ways of professional practice.
- c7. Perform recent advanced technological methods in collection, analysis and interpretation of data and in management of prevalent plastic, cranio-maxillofacial and reconstructive problems in the community.

d) General and Transferable Skills

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

- d1. Present report in seminars effectively.
- d2. Use the information technology including computer packages to serve the development of professional practice

- d3. Teach others and evaluating their performance.
- d4. Self-learning and identification of personal learning needs.
- d5. Use different sources for information and knowledge.
- d6. Work coherently and successfully as apart of a team and team's leadership.
- d7. Manage scientific meetings administration according to the available time.

4- Academic Standards

Sohag Faculty of Medicine adopted the general National Academic Reference Standard (NARS) provided by the national authority for quality assurance and accreditation of education (naqaae) for postgraduate programs. This was approved by the Faculty Council decree NO. 6854, in its cession NO. 177 Dated: 18/5/2009. Based on these NARS; Academic Reference Standard (ARS) were suggested for this program. These ARS were approved by the Faculty Council decree NO. 7528, in its cession NO: 191, dated: 15/3/2010. The adoption of NARS and the suggested ARS were approved by University council degree No 587, in its cession No.60. Dated 26-12-2011

5- Curriculum Structure and Contents

5.a- Program duration : 7 semesters (3.5 years).

5.b- Program structure:

5.b.i- No. of hours per week:

Subject	Lectures	hours /week	
		Practical/surgical	Clinical
First Part: Minors:			
▪ Bio Statistics & Computer	2	1	
▪ Research Methodology	2	1	
▪ Surgical pathology	3		
▪ Surgical anatomy	3		
▪ Primary medical reports	1	1	
Second Part:			
• Plastic surgery	7	6.5	6

code	Item	No	%	
b.i	Total credit hours	Compulsory	90	100
		Elective	0	0
		Optional	0	0
b.iii	credit hours of basic sciences courses	6	6.6	
b.iv	credit hours of courses of social sciences and humanities	0	0	
b.v	credit hours of specialized courses:	53	58.8	
b.vi	credit hours of other course	8	8.9%	
b.vii	Practical/Field Training	8	8.9%	
b.viii	Program Levels (in credit-hours system):			
	Level 1: 1 st part	14	15.5	
	Level 2: 2 nd Part	53	58.8	
	Level 3: Thesis	15	16.7	

6- Program Courses

- Number of compulsory courses 6

6.1- Level/Year of Program:

Semester...1.....

a- First part

- Compulsory

Course Title	Total No. of hours	No. of hours /week			Program ILOs Covered (By No.)
		Lect.	Practical /surgical.	Clinical	
Minors: Research Methodology	3	2	1		a11, a18, a19,b3, b4, b10,c5, c6, d5, d6
Bio Statistics & Computer	3	2	1		a17, b11, b12, c7, d2, d5
Surgical pathology	3	3			a5, a6, b3, b4, b9, b10, c1, c6, d1, d4,d5
Surgical anatomy	3	3			a1, a2, a3, a4, a5, a6, b3, b4, b9, b10, c1, c6, d1, d4, d5,
Primary medical reports	2	1	1		a12,a15, b9, c2, d1, d3

b- Second part:

Course Title	Total No. of hours	No. of hours /week			Program ILOs Covered (By No.)
		Lect.	Practical/surgical.	Clinical	
Plastic surgery	53	7	6.5	6	a1, a6, a7, a8, a9, a13, a14,b1, b2, b3, b4, b5, b6, b7, b8, b9, b10, c1, c2, c3, c4, c5, c6, d1, d2, d3, d4, d5, d6, d7

6.2 Repeat for all higher years/semesters /levels

7- Program Admission Requirements

I- General Requirements.

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

II- Specific Requirements

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

8- Regulations for Progression and Program Completion

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

First Part: (14 Credit hours ≥ 6 months ≥ 1 semester):

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

Second Part: (53 Credit hours ≥ 24 months= 4 semesters):

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

Activity		Hrs
Grand rounds	اجتماع علمي موسع	٦
Training courses	دورات تدريبية	12/ day
Conference attendance	حضور مؤتمرات علمية	١٢/day
	داخلي خارجية	18/day
Thesis discussion	حضور مناقشات رسائل	٦
Workshops	حضور ورش عمل	١٢/day
Journal club	ندوة الدوريات الحديثة	٦
Seminars	لقاء علمي موسع	٦
Morbidity and Mortality conference	ندوة تحليل المخاطر المرضية أو الوفاة	٦
Self education program	برنامج التعليم الذاتي	٦

- Two sets of exams: 1st in October - 2nd in April.
- At least 60% of the written exam is needed to be admitted to the oral and practical exams.
- 4 times of oral and practical exams are allowed before the student has to re-attend the written exam.

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

- Documentation of the subject should not be delayed for > 1.5 years after registration.

- Could start after registration and should be completed, defended and accepted after passing the 2nd part final examination, after passing of at least 24 months after documentation of the subject of the thesis and after publishing of at least one paper from the thesis in a specialized peer-reviewed journal.
- Accepting the thesis is enough to pass this part.

9- Methods of student assessments:

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

Assessment schedule:

Part I:

- Biostatistics & Computer: Written Exam (2 hours) + Structured oral Exam+ OSPE
- Research Methodology: Written Exam (2 hours) + structured oral Exam+ OSPE
- Primary medical reports: Written Exam (2 hour) + Structured oral Exam+ OSPE
- Surgical anatomy: Written Exam (3 hours) + structured oral Exam.
- Surgical pathology: Written Exam (3 hours) + structured oral Exam.

Part II:

- Plastic surgery: Two Written Exams (3 hours for each) + one written exam containing commentary (1.30 hours) + OSCE + Structured oral Exam

10- Evaluation of the Program:

Evaluator	Tool	Sample
1- Senior students	Questionnaire	3
2- Alumni	Questionnaire	2
3- Stakeholders (Employers)	Questionnaire	15
4-External Evaluator(s) External Examiner(s)	Report	1
5- Other		

Course Specification of Applied Biostatistics (with computer use) for MD degree in plastic surgery

sohag University

Faculty of Medicine

1. Program on which the course is given: applied biostatistics for MD degree of plastic surgery
2. Minor or major element of program: minor
3. Department offering the program: Plastic Surgery department
4. Department offering the course: Community Medicine and public Health department
5. Academic year: 1st Part
6. Date of specification approval: Faculty council No. "317", decree No. "1533" dated 17/12/2018

A- Basic Information

Title: Course Specification of applied biostatistics (with computer use) for MD degree in plastic surgery

Code: COM 0532-300.

Total hours:

Title	Lecture	Practical	Total	Credit
Applied Biostatistics	30	30	60	3

B- Professional Information

1- Overall Aims of Course

The aim of this program is to provide the postgraduate with the advanced biostatistician and computer knowledge and skills essential for the mastery of practice of plastic surgery and necessary to provide further training and practice in the field of plastic surgery.

2- Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

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

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

b) Intellectual Skills:

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

- b1. Collect and verify data from different sources
- b2. Interpret data to diagnose prevalent plastic, cranio-maxillofacial and reconstructive problems in the community.

c) Professional and Practical Skills:

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

- c1. Perform recent advanced technological methods in collection, analysis and interpretation of data and in management of prevalent plastic ,cranio-maxillofacial and reconstructive problems in the community and training junior staff

d) General and Transferable Skills:

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

- d1. Use appropriate computer program packages.
d2. Use of different sources for information and knowledge about biostatistics.

3- Contents

Topic	No. of hours	Lecture	Tutorial/ Practical
Recent advances in collection, analysis and interpretation of data	6	3	3
-Details of Tests of significance: Proportion test	6	3	3
Chi-square test	6	3	3
Student T test	6	3	3
Paired T test	6	3	3
-Correlation	6	3	3
-Regression	6	3	3
-ANOVA test	6	3	3
-Discrimination analysis	4	2	2
Factor analysis	4	2	2
- parametric and non parametric tests	4	2	2
Total	60	30	30
Total Credit Hours	3	2	1

4- Teaching and Learning Methods

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

5- Student Assessment Methods

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

Assessment Schedule

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

Weighting of Assessments

Final-term written examination	80%
Oral Examination	20%
Total	100%

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

6- List of References

6.1- Essential Books (Text Books)

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

6.2- Recommended books

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

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

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

6.3- Periodicals, Web Sites, ...etc

1-American Journal of Epidemiology

2-British Journal of Epidemiology and Community Health

3- WWW. CDC and WHO sites

7- Facilities Required for Teaching and Learning

a- Adequate infra structures: including: teaching places(teaching classes, teaching halls, teaching museum, illustrative images), comfortable disks, good source of aeration, good illumination, safety and security methods.

b- Teaching tools: including screens, computers, data show, projectors, flip charts, white boards, video players, digital video cameras, scanner, copiers, color and laser printers

Course Coordinator: Dr/Foad Metry Atya

Head of Department: Prof/ Ahmed Fathy Hammed

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

Course Specification of Research methods for health services (with computer use) for MD degree in plastic surgery

sohag University

Faculty of Medicine

1. Program on which the course is given: research methods for health services for MD degree of plastic surgery
2. Minor or major element of program: minor
3. Department offering the course: plastic surgery department
4. Department offering the program: Community Medicine and public Health department
5. Academic year: 1st Part
6. Date of specification approval: Faculty council No. "317", decree No. "1533" dated 17/12/2018

A- Basic Information

Title: Course Specification of research methods for health services (with computer use) for MD degree in plastic surgery

Code: COM 0532-300.

Total hours:

Title	Lecture	Practical	Total	Credit
research methods	30	30	60	3

B- Professional Information

1. Overall Aims of Course

The aim of this program is to provide the postgraduate with the advanced research methodology knowledge and skills essential for the mastery of practice of plastic surgery and necessary to provide further training and practice in the field of plastic surgery and upgrade research interest and abilities.

2. Intended Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

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

- a1. Define the recent advances of screening tests pertinent to selected diseases and the at-risk approach in the application of screening tests.
- a2. Explain the usefulness of screening tests, and calculate sensitivity, specificity, and predictive values.
- a3. Describe the study design, uses, and limitations.
- a4. Enumerate the recent advances of principles, methodologies, tools and ethics of scientific research.
- a5. Explain the strategies and design of researches.
- a6. Describe bias and confounding.
- a7. Describe sampling techniques and list advantages of sampling
- a8. Write a competent and professional proposal for scientific research with focusing on spectrum of research methodology , terms of research methodology ,sampling methods and evidence based Medicine

b) Intellectual Skills:

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

- b1. Conduct research studies that add to knowledge.
- b2. Formulate scientific papers in the area of Plastic Surgery

b3. Criticize researches related to Plastic Surgery

c) Professional and practical skills:

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

c1. Plan to improve the basic and modern professional skills in conducting researches in the area of Plastic Surgery.

c2. Design new methods, tools and ways of conducting researches.

d) General and Transferable Skills:

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

d1. Use of different sources for information and knowledge to serve research.

d2. Work coherently and successfully as a part of a team and team's leadership.

3. Contents

Topic	No. of hours	Lecture	Tutorial/ Practical
Details of epidemiological studies (case control, cohort and cross sectional)	6	3	3
Clinical trials, Quasi experimental study	6	3	3
Bias and errors	8	4	4
Setting a hypothesis	8	4	4
Recent advances in screening	8	4	4
- Evidence – based Medicine: Concept and examples Applicability Scientific writing: A protocol A curriculum	8	4	4
Setting an objective - Critical thinking	8	4	4
Formulation of papers	8	4	4
Total	60	30	30
Credit hours	3	2	1

4. Teaching and Learning Methods

4.1- Lectures.

4.2- Computer search assignments

5. Student Assessment Methods

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

Assessment Schedule

Assessment 1Final written exam Week: 24

Assessment 2Final Structured Oral Exam Week: 24

Assessment 3 Attendance and absenteeism throughout the course
Assessment 4 Computer search assignment performance throughout the course

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- b) Teaching tools: including screens, computers, data show, projectors, flip charts, white boards, video players, digital video cameras, scanner, copiers, color and laser printers

Course Coordinator: Dr/Foad Metry Atya

Head of Department: Prof/ Ahmed Fathy Hammed

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

Course Specification of Primary Medical Report for MD degree in plastic surgery

Sohag University

Faculty of Medicine

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

A. Basic Information

Title: Course Specification of Primary Medical Report for MD degree in Plastic surgery

Code: FOR 0532-300.

Total hours:

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

B. Professional Information

1. Overall Aims of Course

By the end of the course the student should be able to have the professional knowledge about the basics and medico legal aspects of primary medical reports.

2. Intended Learning Outcomes of Course (ILOs):

a) Knowledge and understanding:

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

- a1. Enumerate the principles and fundamentals of ethics and legal aspects of professional practice in the field of plastic surgery
- a2. Enumerate the basics and legal aspects of writing primary medical reports

b) Professional and practical skills:

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

- b1. Write and evaluate medical reports.

c) Intellectual skills:

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

- c1. Manage Scientific discussion based on scientific evidences and proofs in the field of primary medical reports,

d) General and Transferable Skills:

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

- d1. Present primary medical reports in seminars effectively
- d2. Teach others and evaluate their performance in writing primary medical reports

3. Contents

Topic	No. of hours	Lecture	Practical
The pathology of wounds, chest and abdominal injuries, self inflicted injury	۳	۱	۲
The systemic effect of trauma& Permanent infirmity	۳	۱	۲
Head and spinal injuries	۳	۱	۲
The medicolegal aspects of firearm injuries	۳	۱	۲
Burn and scold	۳	۱	۲
How to write a medicolegal report& How to write death certificate	۳	۱	۲
The medicolegal aspect of deaths associated with surgical procedures and toxicological sampling	۶	۲	۴
Obligation of physicians (towards patients, colleagues, community)	۶	۲	۴
Consent, and professional secrecy	۳	۱	۲
Types of malpractice, and items of medical responsibility	۶	۲	۴
Medicolegal aspects of organ transplantation, intersex states, euthanasia, assisted reproduction techniques	۳	۱	۲
ethical considerations of medical research involving human subjects	۳	۱	۲
Total hours	45	15	30
Total credit hours	2	۱	۱

4. Teaching and Learning Methods

4.1- Lectures.

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

5. Student Assessment Methods

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

Assessment Schedule

Assessment 1.... Final written exam....

Week: 24

Assessment 2.....Final Structured Oral Exam

Week: 24

Weighting of Assessments

Final-term written examination	80%
Oral Examination	20%
Total	100%

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

6. List of References

Essential books

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

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

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

Recommended books

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

Periodicals and websites.....etc.

Egyptian journals of forensic medicine and clinical toxicology

International journals of forensic medicine and clinical toxicology

www.sciencedirect.com

<https://emedicine.medscape.com>

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

7. Facilities Required for Teaching and Learning

- Adequate infra structures: including: teaching places (teaching classes, teaching halls, teaching museum, illustrative images), comfortable desks, good source of aeration, good illumination, safety and security methods.
- Teaching tools: including screens, computers, data show, projectors, flip charts, white boards, video players, digital video cameras, scanner, copiers, color and laser printers.

Course Coordinator: Dr/ Soheir Ali Mohamed

Head of Department: Dr/ Soheir Ali Mohamed

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

Course Specification of Surgical Anatomy and Embryology for MD degree in plastic surgery

sohag University

Faculty of Medicine

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

A. Basic Information

Title: Course Specification of surgical anatomy and embryology for MD degree in plastic surgery

Code: ANA 0532-300.

Total hours:

Title	Lecture	Practical	Total	Credit
surgical anatomy	45		45	3

B. Professional Information

1. Overall Aims of Course

By the end of the course the student should be able to have the professional knowledge about the anatomy head, neck, hand, abdomen and pelvis

2. Intended Learning Outcomes of Course (ILOs):

a) Knowledge and understanding

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

- a1. Mention the recent advances in the normal structure and function of the craniofacial region, neck, trunk, extremities and intugemental system on macro level.
- a2. Enumerate recent advances in the normal growth and development of the craniofacial region, neck, trunk, extremities and intugemental system.
- a3. List the recent advances in the abnormal structure, function, growth and development of the craniofacial region, neck, trunk, extremities and intugemental system.
- a4. Understand recent advances in the natural history of the common and rare anatomical problems related to plastic, cranio-maxillofacial and reconstructive surgery.
- a5. Describe recent advances and genetic background in the diseases related to plastic, cranio-maxillofacial and reconstructive surgery.

b) Intellectual Skills:

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

- b1. Conduct research studies that add to knowledge in the anatomical field.
- b2. Formulate scientific papers in the anatomy of the cranio-maxillofacial region.
- b3. Mange Scientific discussion based on scientific evidences and proofs in the anatomical aspects of craniofacial region

b4. Criticize researches related to the anatomical issues related to plastic surgery

c) Professional and practical skills:

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

- c1. Master the basic and modern professional clinical and surgical skills in the area of Plastic Surgery
- c2. Train to develop new methods, tools and ways of professional practice in anatomical field

d) General and Transferable Skills:

- d1. Present reports in seminars effectively.
- d2. Assess himself and identify his personal learning needs.
- d3. Use of different sources for information and knowledge in anatomy field

3. Contents:

Topic	Total no. hours	Lecture	Practical
Introduction	٦	٦	
Anatomy and embryology of the craniofacial region	٦	٦	
Anatomy and embryology of the skin and hands	٦	٦	
Innervations of the skin	٦	٦	
Anatomy and embryology of the cranial nerves	٦	٦	
Anatomy and embryology of the spinal nerves	٦	٦	
Revision	9	9	
Total	45	45	
Total credit hours	3	3	

4. Teaching and Learning Methods

- 4.1- Lectures.
- 4.2- Practical lessons.
- 4.3- Assignments for the students to empower and assess the general and transferable skills

5. Student Assessment Methods

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

Assessment Schedule

Assessment 1.... Final written exam.... Week: 24

Weighting of Assessments

Final-term written examination	80%
Oral Examination	20%
Total	100%

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

6. List of References

6.1- Essential Books (Text Books)

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

6.2- Recommended Books

- Stevens A. and Lowe J. S. (2015): Human histology; 5th edition; edited by Elsevier Mosby
- Colored Atlas of anatomy.
- Martini F. H., Timmons M. J. and McKinley M.P. (2015): Human anatomy; 10 edition.
- Tortora G. J. and Nielson M.T. (2016): Principles of human anatomy 14 edition; Edited by John Wiley and Sons ; United states.
- McMinn R.M.H. (2017): Lasts anatomy regional and applied chapter 7; 14 edition, edited by Longman group UK.

6.3- Periodicals, Web Sites, etc

- WWW. CDC and WHO sites
- Web Sites: <http://www.ncbi.nlm.nih.gov/pubmed/>

7. Facilities Required for Teaching and Learning

- Adequate infra structures: including: teaching places (teaching classes, teaching halls, teaching museum, illustrative images), comfortable disks, good source of aeration, good illumination, safety and security methods.
- Teaching tools: including screens, computers, data show, projectors, flip charts, white boards, video players, digital video cameras, scanner, copiers, color and laser printers.

Course Coordinator: Dr. Mohamed Al Badry

Head of Department: Dr. Mohamed Al Badry.

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

Course Specification of Pathology for MD degree in plastic surgery

Sohag University

Faculty of Medicine

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

A. Basic Information

Title: Course Specification of pathology for MD degree in plastic surgery

Code: PAT 0532-300.

Total hours:

Title	Lecture	Practical	Total	Credit
surgical pathology	45		45	3

B. Professional Information

1. Overall Aims of Course

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

2. Intended Learning Outcomes of Course (ILOs):

According to the intended goals of the faculty

a) Knowledge and Understanding:

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

- a1. Enumerate recent advances in the natural history of the common and rare pathological problems related to plastic, cranio-maxillofacial and reconstructive surgery.
- a2. Enumerate recent advances in the pathogenesis of diseases related to plastic, cranio-maxillofacial and reconstructive surgery.
- a3. Describe correlation of gross pathology with the clinical basis of diseases related to plastic, cranio-maxillofacial and reconstructive surgery .

b) Intellectual Skills:

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

- b1. Conduct research studies that add to knowledge in the pathological field.
- b2. Formulate scientific papers in gross and microscopic picture of different diseases in plastic surgery
- b3. Manage Scientific discussion based on scientific evidences and proofs in the pathological aspects of craniofacial region
- b4. Criticize researches related to the pathological issues related to plastic surgery

c) Professional and Practical Skills:

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

- c1. Master the basic and modern professional clinical and surgical skills in the area of Plastic Surgery.
- c2. Train to develop new methods, tools and ways of professional practice in pathological field

d) General and Transferable Skills:

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

- d1. Present reports in seminars effectively

d2. Assess himself and identify his personal learning needs.

d3. Use of different sources for information and knowledge in pathology field

3. Course contents:

Topic	Total hours	Lecture	Practical
1- General Pathology:	15	15	
<u>1.1. Inflammation.</u>			
<u>1.2. Cell response to injury, degeneration & necrosis, apoptosis, cellular aging & senescence.</u>			
<u>1.3. Wound healing and repair</u>			
<u>1.4. Pathology of flap failure.</u>			
<u>1.5. Pathology of burn</u>			
<u>1.6. Circulatory disturbances, ischemia, infarction.</u>			
<u>1.7. Infectious diseases & vitamin deficiency</u>			
<u>1.8. Radiation injury, smoke injury, cold injury & photo-injury.</u>			
<u>1.9. Disorders of the immune system:</u>			
1.9.1. Connective tissue disorders (systemic lupus erythematosus, scleroderma, ...etc.).			
1.9.2. Organ transplantation & graft rejection.			
<u>1.10. Disturbances of cellular growth; metaplasia & dysplasia.</u>			
2- Systemic Pathology:			
1- Pathology of skin:	10	10	
1.1 Dermatitis.			
1.2. Exfoliative diseases.			
1.3. Pathology of epidermolysis.			
1.4. Precancerous lesions.			
1.5. Papillomas, actinic keratosis, seborrheic keratosis & keratoacanthomas.			
1.6. Squamous & basal cell carcinomas.			
1.7. Tumors of skin appendages.			
1.8. Tumors of the dermis (mesenchymal tumors)			
1.9. Disorders of pigmentation.			
1.10. Nevi & melanoma.			
1.11. Lymphadenopathy, cutaneous lymphoma & Merkle cell carcinoma.			
1.12. Soft tissue sarcomas.			
2- Head and neck pathology:	10	10	
2.1. Branchial cleft & thyroglossal cysts.			
2.2. Sialadenitis & salivary gland tumors.			
2.3. Odontogenic cysts and tumors.			
2.4. Tumors of nasal cavity & auricle.			
2.5. Soft tissue sarcomas of the head &			

neck.			
2.6. Tumors of thyroid gland.			
<u>3- Disorders of peripheral vessels and nerves:</u>	10	10	
3.1. Buerger disease.			
3.2. Vasospastic diseases			
3.2.1. Raynaud's disease.			
3.2.2. Thoracic outlet syndrome.			
3.3. Chronic nerve compression			
3.4. Vascular lesions of the hand.			
Total	45	45	
Total credit hours	3	3	

4. Teaching and Learning Methods

- 4.1- Lectures.
- 4.2- Practical lessons.
- 4.3- Assignments for the students to empower and assess the general and transferable skills

5. Student Assessment Methods

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

Assessment Schedule

Assessment 1.... Final written exam.... Week: 24

Weighting of Assessments

Final-term written examination	00%
Oral Examination	00%
Total	100%

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

6. List of References

6.1- Essential Books (Text Books):

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

6.2- Recommended Books:

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

6.3- Periodicals, websites:

American journal of pathology

Pathology journal

Human pathology journal

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

7. Facilities Required for Teaching and Learning

- a) Adequate infra structures: including: teaching places (teaching classes, teaching halls, teaching museum, illustrative images), comfortable desks, good source of aeration, good illumination, and safety and security methods.
- b) Teaching tools: including screens, computers, data show, projectors, flip charts, white boards, video players, digital video cameras, scanner, copiers, color and laser printers

Course Coordinator: Dr/ Eman Mohamed Salah **El Deen**

Head of Department: Dr/ Afaf Al Nashar

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

Course Specification of Plastic Surgery for MD degree in plastic surgery

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

A- Basic Information

Title: Course Specification of plastic surgery (2nd part) for MD degree in plastic surgery

Code: PLA 0532-300.

Total hours:

Title	Lecture	Practical	Clinical	Total	Credit
plastic surgery	420	390	360	1170	53

B- Professional Information

1. Overall Aims of Course are to:

- Deliver an advanced knowledge of plastic surgery and its subspecialties and hence the candidate can recognize a wide range of plastic surgical problems
- Establish an advanced skill of the candidates to deal safely with the plastic surgical disorders.

2. Intended Learning Outcomes of Course (ILOs)

a) Knowledge and Understanding:

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

- a1. Mention the recent advances in the normal structure and function of the craniofacial region, neck, trunk, extremities and integumental system on micro level.
- a2. Describe correlation of histopathology with the clinical basis of diseases related to plastic ,cranio-maxillofacial and reconstructive surgery
- a3. List the clinical picture and differential diagnosis of the diseases related to plastic, cranio-maxillofacial and reconstructive surgery.
- a4. Enumerate recent advances in the common diagnostic and laboratory techniques necessary to establish diagnosis of the diseases related to plastic, cranio-maxillofacial and reconstructive surgery.
- a5. Describe recent advances in the various therapeutic methods/alternatives used for the diseases related to plastic, cranio-maxillofacial and reconstructive surgery.
- a6. Enumerate the principles and fundamentals of quality of professional practice in the field of Plastic Surgery
- a7. Enumerate the effect of professional practice on the environment and the methods of environmental development and maintenance.

b) Intellectual Skills:

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

- b1. Interpret data acquired through history taking to reach a provisional diagnosis for plastic surgery.
- b2. Select from different diagnostic alternatives the ones that help reaching a final diagnosis for plastic surgery.
- b3. Conduct research studies that add to knowledge.
- b4. Formulate scientific papers in the recent trends in managing different conditions in plastic surgery
- b5. Assess risk in professional practices in the field of Plastic Surgery
- b6. Plan to improve performance in the field of Plastic Surgery
- b7. Identify plastic ,cranio-maxillofacial and reconstructive problems and find solutions
- b8. Have the ability to innovate nontraditional solutions to plastic, cranio-maxillofacial and reconstructive problems.
- b9. Mange Scientific discussion based on scientific evidences and proofs.
- b10. Criticize researches related to Plastic Surgery

c) Practical Skills to learn the candidate:

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

- c1. Master the basic and modern professional clinical and surgical skills in the area of Plastic Surgery
- c2. Evaluate and develop methods and tools existing in the area of Plastic Surgery
- c3. Use technological methods to serve the professional practice
- c4. Plan for the development of professional practice and development of the performance of others
- c5. Train to develop new methods, tools and ways of professional practice of plastic surgery

d) General Skills: to learn the candidate how

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

- d1. Present reports in seminars effectively
- d2. Use appropriate computer programs.
- d3. Teach others and evaluate their performance.
- d4. Assess himself and identify his personal learning needs.
- d5. Use of different sources for information and knowledge.
- d6. Work coherently and successfully as a part of a team and team's leadership.
- d7. Manage scientific meetings according to the available time.

3. Contents:

Title	Total Hours	Lecture	Surgical	Clinical
PRINCIPLES, TECHNIQUES, AND BASIC SCIENCE	129	46	43	40
- Wound Healing: Normal and Abnormal	12	4	4	4
- Wound Care	11	4	4	3
- The Blood Supply of the Skin	12	4	4	4
- Muscle Flaps and Their Blood Supply	10	4	3	3
- Transplant Biology and Applications to Plastic Surgery	10	4	3	3
- Implant Materials	12	4	4	4
- Principles of Microsurgery	13	5	5	3

Microsurgical Repair of Peripheral Nerves and Nerve Grafts ³				
- Tissue Expansion	10	4	3	3
- Wound Healing: Normal and Abnormal	13	5	5	4
- Wound Care	9	3	3	3
- The Blood Supply of the Skin	9	3	3	3
- Muscle Flaps and Their Blood Supply	9	3	3	3
SKIN AND SOFT TISSUE	134	50	44	40
Dermatology for Plastic Surgeons	16	6	5	5
- Mohs Micrographic Surgery	16	6	5	5
- Congenital Melanocytic Nevi	16	6	5	5
- Malignant Melanoma	15	5	5	5
- Thermal, Chemical, and Electrical Injuries	19	7	7	5
- Principles of Burn Reconstruction	20	8	7	5
- Radiation and Radiation Injuries	16	6	5	5
Lasers in Plastic Surgery	16	6	5	5
CONGENITAL ANOMALIES AND PEDIATRIC PLASTIC SURGERY	132	48	44	40
- Embryology of the Head and Neck	12	4	4	4
- Vascular Anomalies	12	4	4	4
- Cleft Lip and Palate	12	4	4	4
- Nonsyndromic Craniosynostosis and Deformational Plagiocephaly	18	7	7	4
- Craniosynostosis Syndromes	13	5	4	4
- Craniofacial Microsomia	14	5	5	4
- Orthognathic Surgery	13	5	4	4
- Craniofacial Clefts and Hypertelorbitism Miscellaneous Craniofacial Conditions: Fibrous	13	5	4	4
Dysplasia, Moebius Syndrome, Romberg's Syndrome,	13	5	4	4
- Treacher Collins Syndrome, Dermoid Cyst, Neurofibromatosis	12	4	4	4
HEAD AND NECK	130	46	44	40
Soft Tissue and Skeletal Injuries of the Face	16	6	5	5
- Head and Neck Cancer and Salivary Gland Tumors	15	5	5	5

- Skull Base Surgery	15	5	5	5
- Craniofacial and Maxillofacial Prosthetics Reconstruction of the Scalp, Calvarium, and Forehead	19	6	7	6
- Reconstruction of the Lips	11	4	4	3
- Reconstruction of the Cheeks	11	4	4	3
- Nasal Reconstruction Reconstruction of the Eyelids, Correction of Ptosis, and Canthoplasty	11	4	4	3
- Facial Paralysis Reconstruction	12	4	4	4
- Mandible Reconstruction Reconstruction of Defects of the Maxilla and Skull Base	9	3	3	3
Reconstruction of the Oral Cavity, Pharynx, and Esophagus	9	3	3	3
AESTHETIC SURGERY	129	46	43	40
- Cutaneous Resurfacing: Chemical Peeling, Dermabrasion, and Laser	10	4	3	3
- Resurfacing	10	4	3	3
- Filler Materials	10	4	3	3
- Botulinum Toxin	8	3	3	2
- Structural Fat Grafting	10	3	3	4
- Blepharoplasty	11	4	4	3
- Facelift	11	4	4	3
- Forehead Lift	9	3	3	3
- Rhinoplasty	12	4	4	4
- Liposuction	9	3	3	3
- Abdominoplasty and Lower Truncal Circumferential Body Contouring	9	3	3	3
- Facial Skeletal Augmentation With Implants	9	3	3	3
- Osseous Genioplasty	9	3	3	3
BREAST	129	46	43	40
- Augmentation Mammoplasty and Its Complications	14	5	5	4
- Mastopexy and Mastopexy Augmentation	14	5	5	4
- Breast Reduction: Inverted-T Technique	14	5	5	4
- Vertical Reduction Mammoplasty	12	4	4	4
- Gynecomastia	12	4	4	4
- Breast Cancer for the Plastic Surgeon	12	4	4	4
- Breast Reconstruction:	13	5	4	4

Prosthetic Techniques				
- Latissimus Dorsi Flap Breast Reconstruction	13	5	4	4
- Breast Reconstruction: Tram Flap Techniques	13	5	4	4
- Breast Reconstruction—Free Flap Techniques	12	4	4	4
TRUNK AND LOWER EXTREMITY	129	46	43	40
- Thoracic Reconstruction	15	5	5	5
- Abdominal Wall Reconstruction	15	5	5	5
- Lower-Extremity Reconstruction	19	8	6	5
- Foot and Ankle Reconstruction	17	6	6	5
- Reconstruction of the Perineum	17	6	6	5
- Lymphedema	16	6	5	5
- Pressure Sores	15	5	5	5
Reconstruction of the Penis	15	5	5	5
HAND	129	46	43	40
- Plastic Surgeons and the Development of Hand Surgery	9	4	3	2
- Principles of Upper Limb Surgery	10	4	3	3
- Radiologic Imaging of the Hand and Wrist	9	4	3	2
- Soft-Tissue Reconstruction of the Hand	12	6	3	3
- Fractures and Ligamentous Injuries of the Wrist Fractures, Dislocations, and Ligamentous Injuries of the Hand	10	5	3	2
- Tendon Healing and Flexor Tendon Surgery	8	4	2	2
- Repair of the Extensor Tendon System	12	6	3	3
- Infections of the Upper Limb	12	6	3	3
- Tenosynovitis	12	6	3	3
- Compression Neuropathies in the Upper Limb and Electrophysiologic Studies	12	6	3	3
- Thumb Reconstruction	6	4	2	2
- Tendon Transfers	16	8	4	4
- Congenital Hand Abnormalities	16	8	4	4
- Dupuytren's Disease	8	4	2	2
- Replantation in the Upper Extremity	8	4	2	2
- Upper Limb Arthritis	8	4	2	2
Upper Limb Amputations and	16	8	4	4

Prostheses				
BURNS	129	46	43	40
Burns and Electrical Injury	38	15	13	10
- Radiation Injury	46	16	15	15
- Cold Injuries	45	15	15	15
Total	1170	420	390	360
Total credit hours	53	28	13	12

4. Teaching and Learning Methods

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

5. Student Assessment Methods

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

Assessments schedule:

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

Weighting of Assessments

Log book.....	Formative Exam
Final Written Examination	separate exam
Passing in the written exam is a condition to attend the following exams:	
Oral Examination	50%
Clinical/Surgical Examination	50%
Total	100%

Formative only assessments: Simple research assignment, Logbook, Attendance & Abstinence.

6. List of References

6.1- Course Notes:

Lectures notes prepared by the staff member in the department.

6.2- Essential Books (Text Books):

- GRABB AND SMITH'S PLASTIC SURGERY 6th edition (2007).
- Plastic, maxillofacial and reconstructive surgery Georgiade 3rd edition (1997).

6.3- Recommended Books

- Facial Plastic, Reconstructive and Trauma Surgery 8th edition, (2005).
- Weerda Reconstructive Facial Plastic Surgery-A Problem-Solving Manual (2001).
- PLASTIC SURGERY 1st edition (2006), edited by Joseph McCarthy.

6.4- Periodicals, Web Sites, etc

- American Journal of plastic surgery
- British Journal of plastic surgery
- Journal of plastic and reconstructive surgery
- American association of surgery of the hand.
- The plastic Surgery.
- Archives of plastic Surgery.
- www.google.com
- WWW.emedicine.com
- www.pubmed.com
- www.medscape.com
- www.freemedicaljournals.com
- www.freebooks4doctors.com
- www.highwire.com

7. Facilities Required for Teaching and Learning

- a) Adequate infra structures: including: teaching places(teaching classes, teaching halls, teaching museum, illustrative images), comfortable disks, good source of aeration, good illumination, safety and security methods.
- b) Teaching tools: including screens, computers, data show, projectors, flip charts, white boards, video players, digital video cameras, scanner, copiers, colour and laser printers

Course Coordinator: Dr/ Tarek Abo El Ezz

Head of Department: Dr/ Gamal Yousef

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