



COURSE SPECIFICATION of Advanced course in Laser

MSc Dermatology, Andrology and STDs Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course:	MSc Dermatology, Andrology and STDs
(2) Department offering the programme:	Dermatology, Andrology and STDs
(3) Department responsible for teaching the course:	Dermatology, Andrology and STDs
(4) Part of the programme:	Fifth Semester
(5) Date of approval by the Department's council	9/4/2023
(6) Date of last approval of programme specification by Faculty council	18/4/2023
(7) Course title:	Advanced course in Laser
(8) Course code:	DERM 515LAS
(9) Total teaching hours:	30
(10) Number of credit hours	2

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows:

1- Provides the student with advanced knowledge about Lasers.

(2) Intended Learning Outcomes (ILOs):

Intended learning outcomes (ILOs); Are four main categories: knowledge & understanding to be gained, intellectual qualities, professional/practical and transferable skills.

On successful completion of the course, the candidate will be able to:

A- Knowledge and Understanding

A 1- Discuss and Understand Lasers, Lights, and Tissue interactions.

A 2 - Recognize Laser Treatment of

- Vascular Lesions
- Pigmented Lesions and Tattoos.
- Excess Hair
- Ethnic Skin.

A 3- Identify Non-Surgical Body contouring and Skin Tightening.

A 4- Describe Non-ablative Laser and Non-ablative Fractional Laser Rejuvenation.

A 5- Explain Light Skin Rejuvenation and Laser Resurfacing

A 6- Know the Complications and Legal Considerations of Laser and Light Treatments

B-Intellectual skills:

B-1-Compare between different types of lasers used for hair removal

B 2- Set up an algorithm for indications of different types of lasers according to skin phototypes.

(3) Course content:

Subjects	Total Teaching Hours
1. Understanding Lasers, Lights, and Tissue interactions.	4
2. Laser Treatment of Vascular Lesions.	4
3. Laser Treatment of Pigmented Lesions and Tattoos.	2
4. Laser Hair Removal.	2
5. Non-ablative Laser	2
6. Light Skin Rejuvenation.	2
7. Non-ablative Fractional Laser Rejuvenation.	2
8. Laser Resurfacing.	2
9. Non-Surgical Body contouring.	2
10. Non- surgical Skin Tightening.	2
11. Laser Treatment of	2

Ethnic Skin.	
12.Complication of Laser and Light Treatments	2
13.Legal Considerations of Laser and Light Treatments	2
Total	30

(4) Teaching methods:

4.1: Lectures

(5) Assessment methods:

5.1 MCQ & EMQ exam for assessment of intellectual and knowledge ILOs

5.2 MEQs : Short essay questions for assessment of ILOs number A1,A2.

5.3: Log book for activities for assessment of: mainly for assessment practical & transferrable skills, attendance of different conferences, thesis discussions, seminars, workshops, Attendance of scientific lectures.

5.4: seminars: the candidate should prepare and present at least one seminar in a topic related to the course and determined by the supervisors in front of the department staff .

Assessment Schedule (100 marks)

Assessment 1: MCQ & short questions examination by the end of 1 st semester for assessment of knowledge and intellectual skills (80%)

Assessment 2: Logbook required activities to go through end semester examination.

Assessment 3: the candidate should prepare and present at least one seminar in atopic related to the course and determined by the supervisors in front of the department staff (20%).

(6) References of the course:

6.1: Hand books: conferences and Department staff handouts

6.2: Text books: Laser and lights Elsevier, 2013, Rook's text book of Dermatology Blackwell USA, 2010, Bologna Dermatology, Elsevier Limited, 2012, Andrew's Disease of the skin 2006, Habif clinical dermatology, and electronic text book of dermatology

6.3: Journals: British Journal of dermatology, Journal of the American Academy of Dermatology, Archives of Dermatology International Journal of Dermatology

6.1: Websites: WWW.eblue.org, archderm.ama.org, www.wiley.com, www.telemedicine.org, www.amazon.com

6.1: Others: MD Dermatology course of Cairo University

(7) Facilities and resources mandatory for course completion:

1-Fully Equipped Lecture halls

2-Department library

3-Faculty library

Course coordinator:

Mana Sallam, MD

Head of the department:

Prof. Ashraf Hassan, MD