Course Title	Plastic Surgery		
Course Code	MD475		
Course Type	Clinical Elective		
Level	1 st Cycle (MD)		
Year / Semester	4th Year - 8th Semester 5th Year 9th Semester / 10th Semester		
Teacher's Name	ТВА		
ECTS	3 Lectures / 1 / 16 Laboratories / 0 / 16 weeks		
Course Purpose and Objectives	 Lectures / week 1 / 16 weeks Laboratories / week 0 / 16 weeks 		

	 Acquire a knowled reconstructive sur 	dge of the surgical techniques gery of the face and the body.	applied in	
Learning	 Technical skills and abilities Acquire an understanding of various suture materials and perform various suturing techniques. Acquire an understanding of the various local skin flaps, skin graft harvest and application techniques. Demonstrate ability to assess the degree and extent of facial trauma. Demonstrate ability to assess the degree of burn injury, the extent of burn injury and to perform a comprehensive examination, evaluation and primary care treatment of the burn patient. Demonstrate knowledge of the systematic examination of the hand to assess motor and sensory function. 			
	 Acquire comprehe Surgery including Possess a comple Surgery and all th Possess knowledg the subject of Pla working knowledg equipments, cons Develop basic sur Understand the in complications of v Diagnose and ma of Plastic Surgery appropriately sele Be able to identify complex facial tra clinical judgement the diagnosis and Emergency Depar Possess knowledg Plastic Surgery in 	ensive knowledge of the basics all allied specialties. the knowledge of the basic prin the commonly used plastic surge ge of the recent advances and stic Surgery and all its allied s e of the sophisticated and rou umables used in plastic surger gical skills. dications, expected results an arious procedures in Plastic S nage the majority of conditions on the basis of clinical assess cted and conducted investigat common surgical emergencies and rational cost effective inv management of these cases is thent. ge of principles of research wo both the clinical and experime	a of Plastic nciples of Plastic gery procedures. innovations in pecialties and itine ry. d possible urgery. s in the specialty sment, and ions es (burn injuries, apply sound estigations for n the prk in the field of ental field.	
Prerequisites	None	Co-requisites	None	
Course Content	 Introduction to Plastic Exploration of the field Structure and function Scarring (keloids, hyperbolic) 	Surgery. History of Plastic Su ds of Plastic Surgery. ns of the skin. Trauma – Wour pertrophic scars. unstable scar	rgery. nd Healing – s).Chronic	

Ulcers. Care of wounds. Dressing techniques and splints.

- General management of complex wounds. Types of grafts. Split and full thickness skin grafts. Local/ regional flaps. Free flaps (fasciocutaneous, muscle, myocutaneous, osteomyocutaneous and perforator flaps).
 Basics of Microsurgery.
 - Basics of Microsurgery.
- Burns (Facial burns, Inhalation injury, Electrical injuries, Chemical burns, Radiation injury, Compartment syndrome). Burn pathophysiology. Preoperative diagnosis and treatment. Resuscitation – Parkland Formula. Operative and postoperative treatment.
- Congenital anomalies of the head (cleft lip and palate, craniofacial anomalies), congenital anomalies of the trunk, congenital anomalies of the upper limb.
- Facial trauma. Scalp reconstruction, eyelid reconstruction, nasal reconstruction, cheek reconstruction, ear reconstruction, lip reconstruction.
- Skin Cancer (Basal cell carcinoma, Squamous cell carcinoma, Malignant Melanoma). Soft tissue neoplasms. Vascular anomalies (Hemangiomas, Vascular anomalies). Congenital nevi.
- Breast anatomy, breast augmentation, breast reduction, breast mastopexy Breast reconstruction after mastectomy – Lymphedema treatment.
- Aesthetic surgery of the face (Chemical peeling and dermabrasion, LASER

Therapies, Blepharoplasty, Face lift, Neck lift, Aesthetic Rhinoplasty).

• Aesthetic surgery of the body (Liposuction, Fat grafting, Hair transplantation Brachioplasty, Abdominoplasty, Thigh lift, Bariatric Surgery).

• Hand Trauma. Hand infections. Dupuytren's disease. Hand surgery.

• Biomaterials – Tissue engineering. Advances in Plastic Surgery – Face/Hand

Transplantation.

LABS

- Suturing Techniques Suture materials Surgical instruments
- Z plasty Local skin Flaps
- Skin grafts full/split/meshed grafts
- Local anaesthesia, Nerve blocks (Hand and Face)
- Trauma and Burn dressing Familiarity with construction of simple Splints for hand and burn Injuries
- Burn Inhalation injury (SIMULATION)

	 Ward rounds, outpatient clinics (PLASTIC SURGERY CLINIC) Complex Facial trauma (SIMULATION) Hand - Clinical examination Severely mangled extremity (Upper or lower) (SIMULATION) Hand: Extensor/Flexor tendon/Nerve injury – suturing techniques Application of Injectables (Botox / Hyaluronic acid) and LASERs
Teaching Methodology	Face-to-face, Lectures, Videos, Practical sessions, Simulation based training
Bibliography	 Plastic Surgery Essentials for Students; American Society of Plastic Surgeons by the American Society of Plastic Surgeons 444 East Algonquin Road Arlington Heights, IL 60005 Textbook of Plastic and Reconstructive Surgery. Deepak M., Peter E. Butler, Shadi by UCL Press University College London Gower Street London WC1E 6BT ISBN: 978-1-910634-37-0 (Hbk.) ISBN: 978-1-910634-38-7 (Pbk.) ISBN: 978-1-910634-39-4 (PDF) ISBN: 978-1-910634-40-0 (epub) ISBN: 978-1-910634-41-7 (mobi)
Assessment	Examinations:70%Assignment/Lab20%Class Participation:10%
Language	English