

## COMMITTEE COURSE CONTENT

**University:** Muğla Sıtkı Koçman University

**Faculty:** Faculty of Medicine/ **Program:** English Program

**Academic Year:** 2017--2018

**Phase: 2 Comitee: 5 (UROGENITAL and ENDOCRINE SYSTEM)**

**Course Code: 2500/ ECTS: 10 / Theoric+Practice Lesson +Laboratory Lesson**

**Course Type : Compulsory/ Course Length : 7 weeks/ Type of Teaching : Formal/ Language of Instruction : English**

### **Anatomy (MED 2004)**

#### **Theoretical:**

1. Endocrin Organs (2 hour)
2. Female Genital Organs (2 hour)
3. Kidneys, Ureters and Suprarenal Glands (2 hour)
4. Male Genital Organs (2 hour)
5. Pelvic Cavity (2 hour)
6. Perineum (1hour)
7. Vesica urincia and urethra (1hour)
8. Vessels and nerves of Posterior Abdominal Wall (1hour)

#### **Practical:**

1. Kidneys, Ureters and Suprarenal Glands Vesica urineria and urethra (2 hour)
2. Endocrine Organs (2 hour)
3. Female Genital Organs (2 hour)
4. Male Genital Organs (2 hour)
5. Pelvic Cavity (2 hour)
6. Perineum (2 hour)
7. Vessels and nerves of Posterior Abdominal Wall (2 hour)

### **Histology- Embryology (MED 2003)**

#### **Theoretical:**

1. Development of Urinary System (1hour)
2. Endocrine System (1hour)
3. Endocrine System Histology and Development (3h)
4. Endocrine system; microscopic (1hour)
5. Female Genital System (3h)
6. Genital System Development (1hour)
7. Genital System; microscopic introduction (1hour)
8. Male Genital System (3h)
9. Urinary System (4h)
10. Urinary System; microscopic (1hour)

#### **Practical:**

1. Genital System (2 hour)
2. Urinary System (2 hour)

### **M. Biochemistry (MED 2001)**

#### **Theoretical:**

1. 1 lonnoncs of the Sexual glands (1hour)
2. Adrenal cortex & medulla hormones (2 hour)
3. Biochemistry of Kidneys (2 hour)
4. Gastrointestinal system hormones (2 hour)
5. Hormones of the Sexual glands (1hour)
6. Pancreatic Hormones (2 hour)

7. Pituitary & 1 hypothalamic hormones (2 hour)
8. Regulatory Hormones of Calcium Metabolism (2 hour)
9. Thyroid Hormones (2 hour)

### **M. Microbiology (MED 2007)**

#### **Theoretical:**

1. Anti-parasitic drugs (1hour)
2. Cestodes (2 hour)
3. Fungal structure and classification (1hour)
4. Intestinal protozoa and Urogenital protozoa (2 hour)
5. Introduction to parasitology and classification of medically important parasites (1hour)
6. Leishmania and Trypanosoma (1hour)
7. Medically important arthropods (1hour)
8. Microsporidia. Isospora, Balantidium, Cyclospora (1hour)
9. Nematodes (2 hour)
10. Opportunistic Mycoses (1hour)
11. Plasmodium Species (1hour)
12. Toxoplasma gondii and Free living amoebae (1hour)
13. Trematodes (1hour)

#### **Practical:**

1. Acquaintance to yeasts and moulds (2 hour)
2. Laboratory diagnostic methods used in parasitology (2 hour)

### **Physiology (MED 2006)**

#### **Theoretical:**

1. Acid-Base Balance; Acidosis and Alkalosis (2 hour)
2. Adrenal Gland Hormones (2 hour)
3. Calcium Metabolism (2 hour)
4. Function of Pancreas Endocrine (2 hour)
5. Glomerular Filtration (2 hour)
6. Hypothalamus- Hypophysis System. Pituitary Gland and Its hormones (2 hour)
7. Introduction to the Endocrine System (2 hour)
8. Introduction to the Urinary System: Kidney; Nephron as Functional Unit (2 hour)
9. Kidney Function Tests. Clearance (2 hour)
10. Micturition Mechanisms and Urodynamic tests (2 hour)
11. Physiology of Female Reproductive System (2 hour)
12. Physiology of Male Reproductive System (2 hour)
13. Physiology of Pregnancy and Lactation (1hour)
14. Pineal Gland and Melatonin Hormones (2 hour)
15. Thyroid Gland and Thyroid Hormones (2 hour)
16. Urinary Tubule Functions (2 hour)
17. Water, Osmolarity and Electrolyte Balance (2 hour)

#### **Practical: Professional Skills Laboratory Practice**

1. Airway use and endotracheal intubation, Basic Life Support in Adults and giving recovery position (1hour)
2. Giving an intravenous injection (1hour)
3. Running through and connecting an intravenous line and taking blood (1hour)
4. Wound care and suturing (1hour)

### **Non- Committee Courses:**

1. Foreign Language (7 hour)