

## Faculty of Oral & Dental Medicine

### Pedodontics & Public Health

#### Information :

**Course Code :** ORP 511

**Level :** Undergraduate

**Course Hours :** 2.00- Hours

**Department :** Faculty of Oral & Dental Medicine

#### Instructor Information :

| Title               | Name   | Office hours |
|---------------------|--|--------------|
| Associate Professor | Iman Alaaeldin Abdalla Farrag Massoud        | 9            |
| Lecturer            | MARIA NABIL LEITHY DAWOOD                    | 2            |
| Lecturer            | ABLA AHMED MOHAMED ALY AHMED                 | 1            |
| Assistant Lecturer  | Nourhan Saad Mohamed Ali                     |              |
| Assistant Lecturer  | Dina Nasr Mohamed Shehab Eldin               |              |
| Assistant Lecturer  | MAHA SAMY MOSTAFA AHMED ELHABBAK             |              |
| Assistant Lecturer  | Ayah Essam Wahba Hassan Almenawi             |              |
| Teaching Assistant  | Esraa Moustafa Ibrahim Ali Hiza              |              |
| Teaching Assistant  | Amira Mahmoud Sabry Mahmoud Elemam           |              |
| Teaching Assistant  | Leena Amro Mohamed Ali Elsergany             |              |
| Teaching Assistant  | Yosra Attia Mohamed Basuony                  |              |
| Teaching Assistant  | Amaal Ahmed Ibrahim Mohamed Mahmoud Elkabany |              |
| Teaching Assistant  | Rowan Abdelhak Tawfik Abdrabo                |              |
| Teaching Assistant  | Jumana Adel Mohamed Alshafei                 |              |

#### Area Of Study :

- Provide student with knowledge & skills necessary for improvement, maintenance & treatment of oral health of infants, children, adolescents & children with special needs.
- Enable students to provide preventive care for different pediatric age group

#### Description :

introduction to pediatric dentistry, first dental visit, eruption and chronology, morphology, occlusion, restoration of primary teeth, rampant caries, behavioural management, local anesthesia

#### Course outcomes :

##### **a. Knowledge and Understanding :**

|     |  |
|-----|--|
| 1 - | Discuss the scientific principles of sterilization, disinfection and antisepsis.   |
| 2 - | Recognize the aim and benefits of pedodontics for ( children, dentist and nation ) |
| 3 - | State the importance of primary teeth  |

|     |  |                             |
|-----|--|-----------------------------|
| 4 - | Describe the factors that influence the child behavior in dental office and management approaches  | the different psychological |
| 5 - | Describe the need for and types of premedications and their application in clinical practice.  |                             |
| 6 - | Recognize and illustrate the morphological differences between the primary and permanent dentition and their significance in clinical practice |                             |
| 7 - | Describe the normal occlusion of pediatric patients at different ages of life.   |                             |
| 8 - | Recognize the different methods and techniques of pain control   |                             |
| 9 - | Memorize the different designs of caries detection and removal   |                             |

**b. Intellectual Skills: :**

|     |  |  |
|-----|--|--|
| 1 - | Make decisions regarding management of deep caries in both primary and permanent dentitions.   |  |
| 2 - | Integrate personal, medical and dental history together with clinical and radiographic finding to manage both immediate and delayed effects of traumatic injuries. |  |
| 3 - | Write a medical referral form for other specialties  |  |
| 4 - | communicate with children and their families using appropriate communication skills  |  |
| 5 - | show merciful attitude towards children & there parents and respectful attitude towards dental staff   |  |
| 6 - | Adhere to health and safety regulations as they greatly affect dental practice and environment   |  |

**c. Professional and Practical Skills: :**

|     |  |  |
|-----|--|--|
| 1 - | clinically treat uncomplicated cases regarding cavity preparation and pulp therapy                     |  |
| 2 - | Differentiate clinically between primary and permanent teeth   |  |
| 3 - | Detect and quantify caries using different caries indices.   |  |
| 4 - | Detect and quantify inflammatory periodontal diseases using different periodontal indices.             |  |
| 5 - | Interpret different types of X-rays for child dental patient.  |  |
| 6 - | Perform appropriate cavity preparations and pulp therapy procedures in artificial and extracted teeth. |  |

**d. General and Transferable Skills: :**

|     |  |  |
|-----|--|--|
| 1 - | Communicate effectively collaboratively with other department for proper tentative diagnosis and follow up of the case.          |  |
| 2 - | Demonstrate appropriate professional attitudes and behavior in different situations toward patients, colleagues and supervisors. |  |

**Course Topic And Contents :**

| Topic                                     | No. of hours | Lecture | Tutorial / Practical |
|---|--------------|---------|----------------------|
| Introduction, eruption and chronology     | 5            |         |                      |
| Normal occlusion in children              | 5            |         |                      |
| Morphology of primary and permanent teeth | 5            |         |                      |
| Restoration of primary teeth              | 5            |         |                      |
| Behaviour managment                       | 5            |         |                      |
| First dental visit                        | 5            |         |                      |
| Sedation                                  | 5            |         |                      |
| Local anaesthesia                         | 5            |         |                      |
| Management of deep caries                 | 5            |         |                      |
| EEC and rampant caries                    | 5            |         |                      |

### **Teaching And Learning Methodologies :**

|   |
|---|
| Lectures  |
| Lecture with discussion   |
| Video tapes a) Posters b) Slides c) Computer projections d) Samples, examples and mock ups e) Spottings |
| Class discussion  |
| Case studies  |
| Problem solving case  |
| Demonstrations  |
| Hands on training   |

### **Course Assessment :**

| Methods of assessment          | Relative weight % | Week No | Assess What                                      |
|--------------------------------|-------------------|---------|--|
| 1st Mid Term Examination       | 15.00             |         | assess knowledge and understanding.              |
| 2nd Mid Term Examination       | 15.00             |         | assess knowledge and understanding               |
| Final Written Examination      |                   |         |  |
| Mid Term Practical Examination | 20.00             |         | assess clinical, intellectual and general skills |
| Oral Examination               | 10.00             |         | assess knowledge and understanding               |
| Practical Examination          | 1525.00           |         |  |

### **Course Notes :**

- Department books : available for students to purchase from the department secretary.
- Slides and computer presentation used teaching
- Acrylic teeth for cavity preparation for students to purchase from the department secretary
- Natural extracted primary teeth

### **Recommended books :**

- Fundamentals of pediatric dentistry
- Dentistry for the child and adolescent
- Both are available in the faculty library