



Course Description

DES0602 | Pharmacology / Dental Practice Emergencies | 1.00 credit

This course is designed to provide students with the basic concepts and considerations regarding pharmacology and pharmaceutical preparations used in dentistry and by patients; chemical and physical properties, actions, dose, methods of administration, therapeutic usage, side effects, indications and contraindications will be explored. In addition, this course also examines the anticipation and prevention of emergency situations in the dental office. The relationship of health and medical histories will be emphasized as well as recognizing and assisting with emergency care of dental patients.

Course Competencies

Competency 1: The student will demonstrate knowledge of pharmacology and dental emergencies by:

1. Explaining the basic facts and principles regarding pharmacology and emergency management in dentistry
2. Summarizing patient assessment in relation to responding appropriately to potential dental office emergencies
3. Explaining procedures to avoid medical emergencies during dental treatment
4. Summarizing the possible drug interactions, and/or side effects of drugs

Competency 2: The student will demonstrate knowledge of basic management of medical emergencies in dental practice by:

1. Identifying the common medical emergencies in dental practice
2. Identifying steps of managing an unconscious patient
3. Explaining emergency medications usage in the dental office

Competency 3: The student will demonstrate knowledge of the dental assistant role in dental office emergencies by:

1. Explaining the role of the dental assistant in providing patient care involving a dental emergency and in the prevention of dental office emergencies
2. Identifying and manage significant medical emergencies in the dental environment
3. Identifying the principal line of treatment for dental emergencies

Learning Outcomes:

- Solve problems using critical and creative thinking and scientific reasoning