

This is a preclinical course to introduce the science of operative dentistry to the student as well as to familiarize him with the basic definitions, nomenclature, instruments used and principles of cavity preparation and cutting in tooth tissues. The course comprises one –hour lecture and two two-hour practical sessions.

The second semester deals with the properties; characteristics and handling of amalgam and cast gold restorative materials. as well as it emphasizes on the composition and properties of composite resins with special reference to their indications and handling. The practical sessions include cavity preparation (classes 1 and 2) for amalgam and cast gold restoration on molars and premolars. Practical sessions cover amalgam manipulation and restoration of cavities for cast restorations and class 3 and class 5 for composite restorations

The course comprises one-hour lecture and two two-hour practical sessions weekly.

The course deals with the clinical applications of the preclinical course together with related relevant topics to introduce the student to clinical practice, proper patient handling, positioning, history taking, examination and diagnosis, diseases and conditions that he may have to handle and control in patient’s mouth, cavity preparation and restoration, temporization of cavities, effect of cutting on the health of the tooth and other basic topics with direct impact on the clinical practice.

The course deals also with all topics pertaining at improving the student’s knowledge, clinical skills and capabilities, introducing him to all topics related to operative dentistry practice, together with tackling newer and state of the art information and techniques.

The student is taught how to take history, examine a patient, diagnose caries and perform occlusal and occluso-proximal cavities for amalgam and restoring them. In the clinical sessions the student performs requirements of cavity preparation and restoration, including amalgams and composites.

The course comprises one-hour lecture and two-hours of clinical sessions weekly for the fourth year students. The course comprises one-hour lecture and two-two hours of clinical sessions weekly for the fifth year students.