

2. Dental materials

Lec.	Subject	hours
1.	Introduction to dental materials. Definition and importance.	1
2.	Physical, mechanical, properties of dental materials	1
3.	Chemical, biological and electrical properties of dental materials	1
4.	Gypsum products.	1
5.	Impression materials. Classification .properties ,indications& usage	1
6.	Non-elastic impression materials.	1
7.	Elastic impression materials.	1
8.	Non-metallic denture base materials, History, types.	1
9.	Polymerization, PMMA. Heat and cold cure. Properties.	1
10.	Waxes, types, composition and uses.	1
11.	Investments.	1
12.	Metallic denture base material: a- Stainless steel. b-Cr/Co	1
13.	Precious, non-precious metals: a- Stainless steel. b- Metals for C&B.	1
14.	Amalgam.	1
15.	Amalgam properties.	1
16.	Cement.	1
17.	Filling materials. Silicate and acrylic.	1
18.	Composite.	1
19.	Temporary filing.	1
20.	Tissue conditioner. Soft-liner.	1
21.	Polishing and abrasive. Denture cleaners.	1
22.	Porcelain	1
23.	Preventive dental materials	1
24.	Periodontal and oral surgery materials	1
25.	Implant materials	1