

## Master Degree in Dental Materials

**Department:** Biomaterials

**Program Aims:** The teaching program is designed to bridge the gap between the knowledge of the basics of dental materials and their clinical performance. The program would allow graduates to integrate and apply the knowledge gained from studying basic sciences to meet the needs of the dental field. The courses would develop expertise in the design and performance of independent research. Graduate students will also receive training in scientific writing and presentation skills, development to prepare them for academic career opportunities in the field of dentistry.

### Semester I

Code	Title	Weeks	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
OB101	Oral Histology I	15	1	2	3	2	5	75	2	3
ORAD703	Oral Radiology for Specialists	15	2	2	4	2	6	90	3	3
GMSC301	Microbiology & Immunology	15	1	0	1	2	3	45	1	2
DBM101	Material Science I	15	2	2	4	4	8	120	3	4
DBM102	Material Testing I	15	2	2	4	2	6	90	3	3

### Semester II

Code	Title	Weeks	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
OB201	Oral Histology II	15	1	2	3	2	5	75	2	3
DBM201	Material Science II	15	2	2	4	4	8	120	3	4
DBM202	Material Testing II	15	2	2	4	2	6	90	3	3
DBM203	Specialty Clinic I	15	2	4	6	0	6	90	4	3

### Semester III

Code	Title	Weeks	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
DBM301	Applied Dental Materials I	15	2	2	4	2	6	90	3	3
DBM302	Specialty Clinic II	15	2	4	6	2	8	120	4	4
DBM303	Fundamental of Polymers	15	2	2	4	2	6	90	3	3
DBM304	Fundamental of Ceramics	15	2	2	4	2	6	90	3	3

### Semester IV

Code	Title	Weeks	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
DBM401	Fundamentals of Metals	15	2	2	4	2	6	90	3	3
DBM402	Fundamentals of Composites	15	2	2	4	2	6	90	3	3
DBM403	Applied Dental Materials II	15	2	2	4	2	6	90	3	3
DBM404	Specialty Clinic III	15	2	4	6	2	8	120	4	4