

PhD in Endodontic

Department: Endodontics

Program Aims: The goal of the program is to prepare distinguished specialists with advanced professional skills in Endodontics through advanced teaching and innovative scientific research while improving the student's ability in independent learning, problem solving and critical thinking, to be capable of providing specialized up-to-date endodontic service to the surrounding community.

In fulfilling this mission, the long-term goal of the endodontic doctoral degree program is to be recognized as one of the leading programs in outstanding education, excellence in patient care and research.

Compulsory courses

Code	Title	Week	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
Semester I										
ENDO 801	Principles of Endodontics	15	2	0	2	2	4	60	2	2
ENDO 802	Literature Seminar in Endodontics	15	2	0	2	4	6	90	2	3
ENDO 803	Clinical Practice in Endodontics	15	0	4	4		4	60	2	2

Code	Title	Week	Didactic	Practical	Contact	Self Study	Work Load	SW L	Credit Hours	Credit Points
Semester II										
END O 901	Implantology; single tooth implant	15	2	2	4	2	6	90	3	3
END O902	Principles of Endodontics	15	2	0	2	2	4	60	2	2
END O903	Literature Seminar in Endodontics	15	2	0	2	4	6	90	2	3
END O904	Treatment Planning and Case Selection	15	2	0	2	4	6	90	2	3
END O905	Basic Introduction To Microsurgery Technique	6	0	4	4	0	4	24	2	1
END O906	Clinical Practice in Endodontics and Advanced Surgical Endodontics	9	0	4	4	0	4	36	2	1

Code	Title	Week	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
Semester III										
ENDO 1001	Principles of Endodontics	15	4	0	4	2	6	90	4	3
ENDO 1002	Literature Seminar in Endodontics	15	2	0	2	4	6	90	2	3
ENDO 1003	Treatment planning and Case selection	15	2	0	2	4	6	90	2	3
ENDO 1004	Interdisciplinary Treatment Planning	15	2	0	2	2	4	60	2	2
ENDO 1005	Clinical Practice in Endodontics and Advanced Surgical Endodontics	15	0	4	4	0	4	60	2	2

Code	Title	Week	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
Semester IV										
ENDO 1101	Principles of Endodontics	15	4	0	4	2	6	90	4	3
ENDO 1102	Literature Seminar in Endodontics	15	2	0	2	4	6	90	2	3
ENDO 1103	Treatment planning and Case selection	15	2	0	2	4	6	90	2	3
ENDO 1104	Interdisciplinary Treatment Planning	15	2	0	2	2	4	60	2	2
ENDO 1105	Clinical Practice in Endodontics and Advanced Surgical Endodontics	15	0	4	4	0	4	60	2	2

Elective course:
Humanities and management skill

Code	Title	Week	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
ELCT 101	Management of dental practice	15	1	0	1	4	5	75	1	3
ELCT 102	Resources introduction to human management	15	1	0	1	4	5	75	1	3
ELCT 103	Introduction to quality management	15	1	0	1	4	5	75	1	3
ELCT 104	Introduction to hospital management	15	1	0	1	4	5	75	1	3
ELCT 105	Introduction to marketing	15	1	0	1	4	5	75	1	3
ELCT 106	Sustainable development and environment management	15	1	0	1	4	5	75	1	3
ELCT 107	Professional behavior and leadership skills	15	1	0	1	4	5	75		3

Science and skills

Code	Title	Week	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
ELCT 201	Stem cell application and tissue engineering	15	1	0	1	4	5	75	1	3
ELCT 202	Laser in dentistry	15	1	0	1	4	5	75	1	3
ELCT 203	Infection control and hospital acquired infection	15	1	0	1	4	5	75	1	3
ELCT 204	Management of patient safety and risk	15	1	0	1	4	5	75	1	3
ELCT 205	Clinical photography and case presentation	15	1	0	1	4	5	75	1	3
ELCT 206	Dental informatics	15	1	0	1	4	5	75	1	3
ELCT 207	Management of patient with special needs	15	1	0	1	4	5	75	1	3
ELCT 207	Forensic dentistry	15	1	0	1	4	5	75	1	3
ELCT 208	Comparative dental anatomy	15	1	0	1	4	5	75	1	3
ELCT 209	nutrition	15	1	0	1	4	5	75	1	3
ELCT 210	neuroscience	15	1	0	1	4	5	75	1	3
ELCT 211	Application of interactive computed tomography in dentistry	15	1	0	1	4	5	75	1	3

ELCT 212	Experimental animal model	15	1	0	1	4	5	75	1	3
ELCT 213	Psychology of the children	15	1	0	1	4	5	75	1	3
ELCT 214	Technology in oral diagnosis modern emerging	15	1	0	1	4	5	75	1	3
ELCT 215	Oral health education and preventive dentistry	15	1	0	1	4	5	75	1	3
ELCT 216	Geriatric dentistry	15	1	0	1	4	5	75	1	3

Elective for PhD

Code	Title	Week	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
ELCT 301	Biomaterial/tissue interface and biodegradation	15	2	0	2	4	6	90	1	3
ELCT 302	Curriculum development	15	1	0	1	4	5	75	1	3
ELCT 303	Teaching and learning strategies	15	1	0	1	4	5	75	1	3
ELCT 304	Fundamental of molecular biology	15	2	0	2	4	5	90	1	3
ELCT 305	Critical thinking	15	1	0	1	4	5	75	1	3
ELCT 1002	Tissue engineering in restorative dentistry	15	4	0	4	4	8	120	1	4

SWL: summative workload

Students should study elective courses to complete 120 credit points. Each credit point is equivalent to 28 workload hours.

Students assessment:

Methods of assessments:
Self Study evaluation
Mid Semester written exam
Final Semester written exam
Cases presentation
Final written and practical Program exam (exit)
continous process of assignments using rubric and self assessment sheet
Evaluation of delivered log book (clinical requirments)