

BHARTI VIDYAPEETH (DEEMED TO BE UNIVERSITY)

DENTAL COLLEGE AND HOSPITAL, PUNE

Syllabus with time-table of Pre PhD Course Work

PROSTHODONTICS AND CROWN AND BRIDGE

I. RESEARCH METHODOLOGY :(4 CREDITS = 60 HOURS)

Serial No.	TOPIC	No. of Hours
1.	Introduction and Terminologies Used in Research	3 Hours
2.	Types of Research and Combination of types of Research	4 hours
3.	Sample, Sampling methods, Sample size distribution	4 Hours
4.	Variables	3 Hours
5.	Survey techniques, Questionnaires , Interviews	4 Hours
6.	Data collection methods	2 Hours
7.	Measurements and Measurements scales	3 Hours
8.	Selection of appropriate data collection method according to aims of Research, Validation of technique	4 Hours
9.	Bias and Hypothesis	4 Hours
10	Tests and Errors	4 Hours
11.	Statistical Analysis system	4 Hours
12.	Vital Statistics	4 Hours
13.	Introduction to ICT For Research	3 Hours
14.	ICT Utilities for Research	3 Hours
15.	Information search system	3 Hours
16.	Research Authoring System	2 Hours
17.	Preparation of project proposal	3 Hours
18.	Plagiarism detection system	3 Hours

(No. of hours are equivalent to preparation and presentation by a Ph.D Candidate)

II. RESEARCH ADVANCES IN SPECIFIED SUBJECT: (Prosthodontics)
(4 CREDITS = 60 HOURS)

Serial no.	Topic	No. of Hours
1.	Field work, discussion depending on topic of interest for research	20 Hours
2.	Trends in computer Aided Manufacturing in Prosthesis	8 Hours
3.	New Implant Systems and Laser in Implantology	4 Hours
4.	Advances in Material technology and techniques in Maxillofacial Prosthodontics	4 Hours
5.	Nanotechnology in Prosthodontics	4 Hours
6.	Advances in Esthetics in Prosthodontics	4 Hours
7.	Advances in Dental Implantology	4 Hours
8.	Digital Prosthodontics	4 Hours
9.	Adhesive restorations in Prosthodontics	8 Hours

(No. of hours are equivalent to preparation and presentation by a Ph.D Candidate)

III. PRESENTATION ON PROPOSED RESEARCH WORK: (Prosthodontics)
(4 CREDITS = 60 HOURS)

A. Presentation on Review of Literature: (2 credits=30 hours)

Serial no.	Topic	No. of Hours
1.	Compilation of 80-100 articles from different journals, field work	15 Hours
2.	Study of the articles , Discussion and Preparation	12 Hours
3.	Presentation on Review of Literature	3 Hours

B. Presentation on Area of Research : (2 credits=30 hours)

Serial no.	Topic	No. of Hours
1.	Compilation of data necessary for interested area of research	15 Hours
2.	Study of the articles, Discussion and Preparation	12 Hours
3.	Presentation on Area of Research	3Hours

(No. of hours are equivalent to preparation and presentation by a Ph.D Candidate)

IV. RESEARCH AND PUBLICATIONS ETHICS [RPE] : (Prosthodontics)
 (2 CREDITS=30 HOURS)

Serial no.	Topic	No. of Hours
1.	Introduction to Philosophy and Ethics	4 Hours
2.	Scientific conduct – Intellectual honesty and research integrity Falsification, fabrication and plagiarism. Redundant publications Selective reporting and misunderstanding of data	6 Hours
3.	Publication Ethics – Definition , Introduction and importance Best practices Conflict of interest (COI) Publication misconduct Violation of publication ethics, authorship and contributorship Predatory publishers and journals	10 Hours
4.	Database and research metrics- Indexing databases Citation databases: Scopus, Pubmed etc. Impact factor and citation scores H- index , I-10 index etc	10 Hours

(No. of Hours are equivalent to preparation and presentation by a Ph.D Candidate)