



UNIVERSITY MEDICAL  
& DENTAL COLLEGE

# STUDY GUIDE

## PRISME 2<sup>nd</sup> year



## PROFESSIONALISM

Year	Block	Learning Outcomes (LOs)
<b>II</b>	<b>IV</b>	Demonstrate respect, integrity, accountability in group/clinical tasks/social media.
		Apply professionalism in simulated patient interactions
		Write structured reflections on professional experiences
		Demonstrate patient-centered communication in structured interviews
		Discuss simple ethical dilemmas
	<b>V</b>	Utilize effective communication techniques with dental patients while history taking.
		Develop rapport with patients using rapport building steps.
		Enhance emotional literacy in handling pediatric & adult dental patients.
	<b>VI</b>	Identify patients whose physical symptoms (in conditions like bruxism, TMJ issues, Muscle spasms, angina referral, etc.) may be stress-related and communicate this professionally and empathetically, offering appropriate initial management or referral.
		Develop coping strategies for managing stress in personal and professional life.
		Provide effective counseling to patients undergoing dental treatments.
		Develop therapeutic relationships with parents of pediatric dental patients.

## RESEARCH

Year	Block	Learning Outcomes (LOs)
	<b>IV</b>	Formulate research questions (PICO/PECO)
		Select an appropriate research title
		Develop basic literature search strategy (databases, keywords)
		Conduct literature search in PubMed/Google Scholar
		Summarize research findings using a literature matrix

<b>II</b>		Explain purpose and steps of a literature review
		Conduct a simple literature review on a selected topic
	<b>V</b>	Identify referencing styles & use referencing software (Vancouver)
		Submit structured literature review (portfolio task)
		Design the basic framework of an epidemiological study relevant to dental public health.
		Apply techniques such as randomization and blinding to minimize bias in studies.
	<b>VI</b>	Design and conduct a simple oral health survey following standardized steps.
		Describe data types, variables, statistical methods, sampling techniques, and present findings graphically
		Formulate clear, measurable research objectives for oral health research projects.
		Interpret and calculate various measures of data
Correlate standard deviation with mean and the concept of normal distribution		

## INFORMATICS

Year	Block	Learning Outcomes (LOs)
<b>II</b>	<b>IV</b>	Search academic databases & journals online
		Use Word advanced features & Excel basics
	<b>V</b>	Apply citation managers (Zotero/Mendeley/EndNote)
	<b>VI</b>	Describe plagiarism & academic integrity issues

## SOCIAL RESPONSIBILITY, CULTURAL SENSITIVITY, ETHICS & JURISPRUDENCE

Year	Block	Learning Objectives
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<b>II</b>	<b>IV</b>	Practice communication skills with culturally diverse patients through role play
		Apply ethical principles in case-based discussions
		Describe basics of patient rights and informed consent
	<b>V</b>	Develop empathy and cultural competence.
		Manage patient anxiety during procedures
		Explore psychological responses to dental-related illnesses.
		Apply SPIKES protocol in delivering bad news.
		Maintain professional boundaries with patients.
		Manage patient expectations regarding dental procedures.
	<b>VI</b>	Educate patients on managing periodontal conditions.
		Set realistic expectations for dental treatments.
		Promote healthy oral behaviors in community.
		Apply palliative care principles.

## MANAGEMENT & ENTREPRENEURSHIP

Year	Block	Learning Objectives
<b>II</b>	<b>V</b>	Collaborate effectively with dental laboratory technicians to ensure accurate fabrication and timely delivery of restorative and rehabilitative appliances.
		Execute assigned tasks within time limits using planning strategies.
	<b>VI</b>	Identify errors and suggest improvements in lab or workflow.
		Demonstrate awareness of safety and quality measures in pre-clinical settings.

## EVIDENCE BASED DENTISTRY

Year	Block	Learning Objectives
II	IV	Describe and differentiate levels/types of evidence (systematic reviews, RCTs, cohort, case reports) and strengths/limitations
	V	Apply basic behavior-change models (e.g., Health Belief Model) to design patient education
	VI	Implement simple behavior-change strategies for routine dental problems (oral hygiene)
		Explain the basic principles of cognitive behavioral therapy (CBT) relevant to the management of dental anxiety.