

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WB
 (Formerly known as West Bengal University of Technology)
 Syllabus of B.OPTM
 (Effective for 2023-2024 Admission Session)

Model structure for 4 year UG programs

SEMESTER	CORE (DSC) (Offline)	Minor (DSE) (Blended Mode)	GENERIC ELECTIVE (GE)/ Inter disciplinary courses (Offline)	ABILITY ENHANCEMENT IN COURSE (AEC) (Language) (Offline)	SKILL ENHANCEMENT COURSE (SEC)/ Internship/ Dissertation (Online /Sessional)	VALUE ADDITION COURSE (VAC) (SESSIONAL)	TOTAL CREDITS
I	Geometrical Optics (5 credit) 3L+2P		GE - 1 1 Course (3 Credit)	English & Professional Communication (2 credits)	Life Skills & Personality Development (2 credits)	Yoga/ Health & Wellness/ Sports (2 credits)	22 credits
	Basics of General Anatomy & Physiology (5 credit) 3L+2P						
II	Physical Optics (5 credit) 3L+2P		GE - 2 1 Course (3 Credit)	Modern Indian Languages and Literature (2 credits)	IT Skills (2 credits)	Critical Thinking / NSS/ Mental Health / Environmental Studies (2 credits)	22 credits
	Ocular Anatomy & Physiology (5 credit) 3L+2P						
III	Visual Optics (5 credit) 4L+1T		GE - 3 1 Course (3 Credit)	Fundamentals of entrepreneurship (2 credits)	Understanding basics of Cyber Security (2 credits)	-----	21 credits
	Medical pathology & Microbiology (general and ocular) (5 credit) 3L+2P						
IV	Ophthalmic Instrumentation and procedure (5 credit) 3L+2P		-----	Society Culture and Human Behavior (2 credits)	-----	-----	23 credits
	Pharmacology (4 credit) 3L+1T						
	Ophthalmic Lens & Dispensing optics (4 credit) 3L+1T						
v	Clinical Refraction (5 credit) 3L+2P				Observationship		22 credits

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	Ocular Disease (5 credit) 4L+1T				(4 Credit)		22 credits
VI	Low Vision Aids & Visual Rehabilitation (5 credit) 3L+2P						22 credits
	Binocular Vision & orthoptics (5 credit) 3L+2P		-----	-----	-----	-----	
	Contact lens (4 credit) 3L+1P						
VII	Healthcare Counselling (5 credit) 4L+1T						22 credits
	Fundamentals of Clinical Research methods (5 credit) 4L+1T		-----	-----	-----	-----	
	Systemic Condition & the eye (4 credit) 3L+1T						
VIII	Community Optomtry (5 credit) 4L+1T				Internship & Research Project/ Dissertation (12)		22 credits
	Data Analytics (5 credit) 3L+2P						
	19 Subjects --91 Credits	11 Subject -- 42 Credits	3 subjects – 09 credits	4 subjects – 08 credits	22 Credits	04 Credits	176 Credit