

STRUCTURE OF THE SYLLABUS FOR 4-YEAR UG PROGRAMME

SCHOOL NAME - RSMAS **Total credit- 168**

DEPARTMENT NAME - OPTOMETRY

PROGRAMME NAME - B. OPTOM (2025-2026)

1st SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	OPT242M101/ OPT242M111	General Anatomy + General Anatomy Lab	100	4	3+2
Major (Core)	OPT242M102/ OPT242M112	General Physiology + General Physiology Lab	100	4	3+2
Interdisciplinary (IDC)	IKS992K101	Iks-I	100	3	3
Ability Enhancement course (AEC)	CEN982A101/ BHS982A102	Communicative English I Behavioural Science I	100	2	2
Skill Enhancement Course (SEC)	OPT242S101	Biochemistry	100	3	3
Value Added Course (VAC)		Selected From the Pool of Courses Offered	100	3	3
SWAYAM Course			100	3	
TOTAL CREDIT FOR 1st SEMESTER				22	
2nd SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	OPT242M201/OPT242M211	OCULAR ANATOMY + OCULAR ANATOMY LAB	100	4	3+2
Major (Core)	OPT242M202/OPT242M212	OCULAR PHYSIOLOGY + PHYSIOLOGY LAB	100	4	3+2
IDC	IKS992K201	IKS-2	100	3	3
AEC	CEN982A201 BHS982A202	Communicative English II/ Behavioural Science II	100	2	2

SEC	OPT242S201/ OPT242S211	OPTOMETRIC OPTICS + OPTOMETRIC OPTICS LAB	100	3	2+2
VAC		Selected from the pool of courses offered	100	3	3
SWAYAM Course				3	
TOTAL CREDIT FOR 2nd SEMESTER				22	
3rd SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	OPT242M301/OPT242M311	OPHTHALMIC & OPTICAL INSTRUMENTATION & PROCEDURE + OPHTHALMIC & OPTICAL INSTRUMENTATION & PROCEDURE LAB	200	4	3+2
Major (Core)	OPT242CM302/OPT242CM312	VISUAL OPTICS +LAB	200	4	3+2
Major (Core)	OPT242M303	HUMAN VISUAL SYSTEM II	200	4	4
IDC			200	3	3
AEC	Communicative English-III Behavioural science-III	CEN982A301/ BHS982A302	200	2	2
SEC	MEDICAL PATHOLOGY & MICROBIOLOGY & PHARMACOLOGY	OPT242S304	200	3	3
SWAYAM Course				3	
TOTAL CREDIT FOR 3rd SEMESTER				23	
4th SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	OPT242M401/ OPT242M411	CLINICAL REFRACTION + CLINICAL REFRACTION LAB	200	4	3+2
Major (Core)	OPT242M403	OCULAR DISEASE I	200	4	4
Major (Core)	OPT242M402/OPT242M412	OPHTHALMIC LENS & DISPENSING OPTICS + OPHTHALMIC LENS & DISPENSING OPTICS LAB	200	4	3+2

Major (Core)	OPT242M516	CLINICAL POSTING	200	4	4
AEC	CEN982A401/ BHS982A402	COMMUNICATIVE ENGLISH / Behavioural science-IV	200	2	2
SWAYAM Course				3	
TOTAL CREDIT FOR 4th SEMESTER				21	
5th SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	OPT242M501	INTRODUCTION TO CONTACT LENS	300	4	4
Major (Core)	OPT242M502	BINOCULAR VISION & OCULAR MOTILITY	300	4	4
Major (Core)	OPT242M503	OCULAR DISEASE II	300	4	4
Major (Core)	OPT242M504	BASICS OF LOW VISION	300	4	4
Major (Core)	OPT242M516	CLINICAL POSTING	300	4	
TOTAL CREDIT FOR 5th SEMESTER				20	
6th SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	OPT242M601	SYSTEMIC CONDITIONS & THE EYE	300	4	4
	OPT242M602	LAW & OPTOMETRY+OCCUPATIONAL OPTOMETRY	300	4	4
	OPT242M603/OPT242M611	APPLIED OPTOMETRY & ORTHOPTICS +LAB	300	4	3+2
	OPT242M604/OPT242M612	CONTACT LENS II+ LAB	300	4	3+2
	OPT242M605	LOW VISION AIDS & VISUAL REHABILITATION + LOW VISION AIDS & VISUAL REHABILITATION LAB	300	4	3+2
TOTAL CREDIT FOR 6th SEMESTER				20	

7 th SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	OPT242M711	PEDIATRIC CLINIC SPECIALITY & GERIATRIC CLINIC SPECIALITY	400	4	4
Major (Core)	OPT242M712	LOW VISION SPECIALITY	400	4	4
	OPT242M713	CONTACT LENS SPECIALITY	400	4	4
	OPT242M714	BINOCULAR VISION SPECIALITY	400	4	4
TOTAL CREDIT FOR 7 th SEMESTER				16	
8 th SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	OPT242M811	CLINICAL EVALUATION	400	6	12
Major (Core)	OPT242M812	COMPREHENSIVE CLINICAL OPTOMETRY	400	6	12
Project / Dissertation	OPT242M814		400	12	24
TOTAL CREDIT FOR 8 th SEMESTER				24	

Total credit- 168