

STRUCTURE OF THE SYLLABUS FOR 4 YEAR UG PROGRAMME

SCHOOL NAME - Royal School of Medical and Allied Sciences

DEPARTMENT NAME - Operation Theatre Technology

PROGRAMME NAME - Operation Theatre Technology

Total Credits (8 Semesters) = 176

Clinical Posting = 5th Semester

Internship/Apprenticeship = 7th & 8th Semesters

Session = 2025-26

1st SEMESTER

COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	OTT242M101/ OTT242M111	Anatomy I(Theory & Practical)	100	3	2-0-2
Major (Core)	OTT242M102/ OTT242M112	Physiology I(Theory & Practical)	100	3	2-0-2
Major	OTT242M103	Hospital Duty and Patient Care	100	3	3-0-0
Interdisciplinary (IDC)	IKS992K101	IKS-I	100	3	3-0-0
Ability Enhancement course (AEC)	CEN982A101	Communicative English- I	100	1	1-0-0
	BHS982A102	Behavioural Science-I	100	1	1-0-0
Skill Enhancement Course (SEC)	OTT242S101	SEC-1 Biochemistry(Theory)	100	3	3-0-0
Value Added Course (VAC)		VAC-1 Select one course from a basket of course	100	3	3-0-0
SWAYAM		MOOC COURSE		3	
TOTAL CREDIT FOR 1st SEMESTER				23	

2nd SEMESTER

COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	OTT242M201/ OTT242M211	Anatomy II (Theory & Practical)	100	3	2-0-2
Major (Core)	OTT242M202/ OTT242M212	Physiology II(Theory & Practical)	100	3	2-0-2
Major	OTT242M203	Introduction to Operation Theatre	100	3	3-0-0
IDC	IKS992K201	IKS-II	100	3	3-0-0

AEC	CEN982A201	Communicative English II	100	1	1-0-0
AEC	BHS982A202	Behavioural Science-II	100	1	1-0-0
SEC	OTT242S201/ OTT242S211	SEC-2 Basics of surgical instrumentation and OT Equipments (Theory & Practical)	100	3	2-0-2
VAC		VAC-2 Select one course from a basket of course	100	3	3-0-0
SWAYAM		MOOC COURSE		3	
TOTAL CREDIT FOR 2nd SEMESTER				23	
3rd SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	OTT242M301/ OTT242M311	Principles of Anesthesia (Theory + Practical)	200	4	2-0-4
Major (Core)	OTT242M302/ OTT242M312	Basics of OT and Surgical Procedures (Theory + Practical)	200	4	2-0-4
Major	OTT242M303	Basic techniques of Anesthesia	200	4	3-1-0
IDC		Select one course from a basket of course	200	3	3-0-0
AEC	CEN982A301	Communicative English III	100	1	1-0-0
AEC	BHS982A302	Behavioural Science-III	100	1	1-0-0
SEC	OTT242S301	Pharmacology	200	3	2-1-0
SWAYAM		MOOC COURSE		3	
TOTAL CREDIT FOR 3rd SEMESTER				23	
4th SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	OTT242M401/ OTT242M411	CSSD and Surgical Procedures (Theory + Practical)	200	4	3-0-2
Major (Core)	OTT242M402/ OTT242M412	Microbiology and Pathology (Theory + Practical)	200	4	3-0-2
Major (Core)	OTT242M403	Obstetrics and Gynaecology	200	4	4-0-0
Major (Core)	OTT242M404	Patient Assessment	200	3	2-1-0
Major (Core)	OTT242M405	Cardiovascular Emergencies and Management	200	3	2-1-0
AEC	CEN982A401	Communicative English IV	100	1	1-0-0
	BHS982A402	Behavioural Science-IV	100	1	1-0-0
SWAYAM		MOOC COURSE		3	
TOTAL CREDIT FOR 4th SEMESTER				23	
5th SEMESTER					

COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	OTT242M501/ OTT242M511	Specialized anesthesia and surgery(Theory+ Practical)	300	4	3-0-2
Major (Core)	OTT242M502/ OTT242M512	Basic Life Support and Advance Cardiac Life Support (Theory+ Practical)	300	4	3-0-2
Major (Core)	OTT242M503	Medical Emergencies	300	4	3-1-0
Major (Core)	OTT242M504	Post Anesthesia Care	300	4	2-0-4
	OTT242M525	Clinical posting	300	4	0-0-8
TOTAL CREDIT FOR 5thSEMESTER				20	
6th SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	OTT242M601/ OTT242M611	Advance anesthetic techniques (Theory+ Practical)	300	4	3-0-2
Major (Core)	OTT242M602/ OTT242M612	Emergency and Intensive Care Unit (Theory+ Practical)	300	4	3-0-2
Major (Core)	OTT242M603	Biostatistics and Research Methodology	300	4	3-1-0
Major (Core)	OTT242M604	Operation Theatre Technology-Advanced	300	4	4-0-0
Major (Core)	OTT242M605	Airway Management and RespiratoryEmergencies	300	4	4-0-0
TOTAL CREDIT FOR 6thSEMESTER				20	
7th and 8th Semester (Apprenticeship/Internship)					
7th SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	OTT242M711	General Surgery Techniques and Procedures	400	4	0-0-8
Major (Core)	OTT242M712	Applied Orthopaedic Surgery	400	4	0-0-8
Major (Core)	OTT242M713	Advanced Gastrointestinal and Laparoscopic Surgery	400	4	0-0-8
Major (Core)	OTT242M714	Applied Trauma and Emergency Surgery	400	4	0-0-8
Major (Core)	OTT242M715	Disaster Management and Ambulance Operations	400	4	0-0-8
TOTAL CREDIT FOR 7thSEMESTER				20	
8th SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	OTT242M811	Surgical Critical Care and Postoperative Management	400	6	0-0-12
Major (Core)	OTT242M812	Medicine Relevant To Operation Theatre	400	6	0-0-12
Project / Dissertation	OTT242M822	Major Project/Dissertation	400	12	0-0-24
TOTAL CREDIT FOR 8thSEMESTER				24	