

Dr. D.Y. Patil School of Allied Health Sciences

**Dr. D. Y. Patil Vidyapeeth, Pune
(Deemed to be University)**



Programme Framework

**Master of Science in Emergency Care
and Critical Technology
(M.Sc. ECCT)**

First Year First Semester

Course code	Course Title	Credit			Hours			Marks			
		Theory	Practical	Total	Theory	Practical	Total	Internal	Theory	Practical	Total
MECCT 101	Applied Anatomy	3	4	7	45	120	165	40	80	80	200
MECCT 102	Applied Physiology	2	4	6	30	120	150	40	80	80	200
MECCT 103	Applied Biochemistry	3	4	7	45	120	165	40	80	80	200
	Total	8	12	20	120	360	480	120	240	240	600

Second Semester

Course code	Course Title	Credit			Hours			Marks			
		Theory	Practical	Total	Theory	Practical	Total	Internal	Theory	Practical	Total
MECCT 201	Applied Pharmacology	3	4	7	45	120	165	40	80	80	200
MECCT 202	Applied Pathology	2	4	6	30	120	150	40	80	80	200
MECCT 203	General Critical Care- I	3	4	7	45	120	165	40	80	80	200
	Total	8	12	20	120	360	480	120	240	240	600

Second Year Third Semester

Course code	Course Title	Credit			Hours			Marks			
		Theory	Practical	Total	Theory	Practical	Total	Internal	Theory	Practical	Total
MECCT 301	Applied Microbiology	3	4	7	45	120	165	40	80	80	200
MECCT 302	General Critical Care - II	3	4	7	45	120	165	40	80	80	200
MECCT 303	ICU Therapy	3	3	6	45	90	135	40	80	80	200
	Total	9	11	20	135	330	465	120	240	240	600

Fourth Semester

Course code	Course Title	Credit			Hours			Marks			
		Theory	Practical	Total	Theory	Practical	Total	Internal	Theory	Practical	Total
MECCT 401	Advanced Critical Care - I	3	4	7	45	120	165	40	80	80	200
MECCT 402	Advanced Critical Care - II	3	5	7	45	150	195	40	80	80	200
MECCT 403	Dissertation	1	4	5	15	120	135	100	0	100	200
	Total	7	13	19	105	390	495	180	160	260	600