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**NAAC ACCREDITED**

**M.Sc – CLINICAL RESEARCH  
 (TWO YEAR FULL TIME)  
 CURRICULUM 2009**

Semester	Sub. Code	Title of the Paper	L	T	P	C	
I	YCR101	Fundamentals of Clinical Operations	4	2	0	6	
	YCR102	Basics of Pharmacy, Drug Discovery & development	4	1	2	6	
	YCR103	Pre clinical Studies: Safety & Efficacy	4	1	2	6	
	YCR104	Biostatistics	3	3	0	6	
	<b>Total Credits from compulsory subjects</b>						<b>24</b>
	<b>Electives</b>						
	YCR105	Human Biology	4	2	0	6	
	YCR106	Medicinal Chemistry	5	1	0	6	
	YCR107	Pharmacoepidemiology	4	2	0	6	
	Students have to choose any one subject from optional subjects.						6
	<b>Total Credits required in Semester</b>						<b>30</b>
II	YCR201	Regulatory Affairs I	4	2	0	6	
	YCR202	Clinical Data Management	4	2	0	6	
	YCR203	Clinical Studies	4	1	2	6	
	YCR204	Instrumental methods of Analysis	5	1	0	6	
	<b>Total credits from compulsory subjects</b>						<b>24</b>
	<b>Electives</b>						
	YCR205	Pharmacology	4	2	0	6	
	YCR206	Basics of Health and Nutrition	4	1	2	6	
	YCR207	Pharmacogenomics	4	2	0	6	
	Students have to choose any one subject from optional subjects						6
	<b>Total credits required in Semester</b>						<b>30</b>

III	YCR301	IPR & Data Exclusivity, Bioethics in Clinical Research	4	2	0	6	
	YCR302	Clinical Biochemistry	4	1	2	6	
	YCR303	Regulatory Affairs II	4	2	0	6	
	YCR304	Protocols & Application, Reporting & Medical Writing	4	1	2	6	
	<b>Total credits from compulsory subjects</b>						<b>24</b>
	<b>Electives</b>						
	YCR305	Botanicals, Food & Nutraceuticals	4	1	2	6	
	YCR306	Applied Medical Transcription	4	1	2	6	
	YCR307	Pharmaceutical Biotechnology	4	1	2	6	
	Students have to choose any one subject from optional subjects						6
	<b>Total credits required in Semester</b>						<b>30</b>
IV	YCR401	Introduction to SAS	3	1	4	6	
	YCR402	Clinical Research in alternative systems of medicine	4	2	0	6	
	YCR403	Advanced Clinical Data Management	4	1	2	6	
	YCR404	Pharmacovigilance	4	1	2	6	
	Total credits from compulsory subjects						24
	YCR405	Project	0	0	12	6	
	<b>Total credits required in Semester</b>						<b>30</b>

- L** → LECTURE HOURS  
**T** → TUTORIAL HOURS  
**P** → PRACTICAL HOURS  
**C** → CREDITS HOURS