



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
 Kakinada-533003, Andhra Pradesh (India)

Comparison of Program Structure R16 with R19

Program Code	Program Name	Total No. of Courses			No of Subjects		Total Courses	Percentage %
		R16	R19	Added in (R19)	Deleted (R16)	Content revised more than 20%		
151503	M.Pharmacy - Pharmaceuticals	19	20	16		3	19	95

MW
Coordinator

Bruceoff
REGISTRAR
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Dr. Gyan Chandra
Special Officer

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Kakinada-533003, Andhra Pradesh (India)

Comparison of Course Structure R16 with R19

Program Code: IS1S03

Program Name: M.Pharmacy - Pharmaceutics

Year : 1

Semester: 1

R16					R19					Remarks				
Course code	Course name	L	T	P	C	Course code	Course name	L	T	P	C	New Course? (R19)	Deleted Course? (R16)	Content Revision %
101	Modern Analytical Techniques	4			3	MPL101T	Modern Pharmaceutical Analytical Techniques	3			3			10
102	Research Methodologies	4			3	MPL102T	Drug Delivery System	3			3			20
103	Biopharmaceutics& Pharmacokinetics	4			3	MPL103T	Modern Pharmaceutics	3			3	Yes		
104	Advanced Physical Pharmaceutics	4			3	MPL104T	Regulatory Affair	3			3			30
105	Biopharmaceutics& Pharmacokinetics - LAB	4			3	MPL105PA	Pharmaceutics Practical I	2			2	Yes		
106	Advanced Physical Pharmaceutics - LAB	4			3	MPL105PB	Pharmaceutical Practical II			4	2	Yes		
107	Seminar			2	2		Seminar/Assignment			4	2	Yes		
TOTAL											18	04		

Program Code: IS1S03

Program Name: M.Pharmacy -Pharmaceutics

Year : 1

Semester: 2

R16					R19					Remarks				
Course code	Course name	L	T	P	C	Course code	Course name	L	T	P	C	New Course? (R19)	Deleted Course? (R16)	Content Revision %
201	Advanced Pharmaceutical Technology	4			3	MPL201T	Molecular Pharmaceutics (Nano Technology and Targeted DDS) (NTDS)	3			3	Yes		
202	Advances In Drug Delivery Systems	4			3	MPL202T	Advanced Biopharmaceutics& Pharmacokinetics	3			3	Yes		
203	Industrial Pharmacy	4			3	MPL203T	Computer Aided Drug Development	3			3	Yes		
204	Drug Regulatory Affairs	4			3	MPL204T	Formulation Development of Pharmaceutical and Cosmetic Products	3			3	Yes		
205	Advanced Pharmaceutical Technology - LAB	4			3	MPL205PA	Pharmaceutics Practical III	2			2	Yes		
206	Advances In Drug Delivery Systems - LAB	4			3	MPL205PB	Pharmaceutics Practical IV			4	2	Yes		
207	Seminar			2	2	MPL101T	Seminar			4	2			
TOTAL					20	TOTAL					18	06		

Program Code: IS1S03

Program Name: M.Pharmacy

Year : 2

Semester: 3

R16					R19					Remarks						
Course code	Course name	L	T	P	C	Course code	Course name	L	T	P	C	New Course? (R19)	Deleted Course? (R16)	Content Revision %		
301	Seminar – I					MRM301T	Research Methodology and Biostatistics				4	Yes				
							Journalclub				1	Yes				
								Discussion / Presentation (Proposal Presentation)				2	Yes			
								Research Work				14	Yes			
TOTAL											20	TOTAL				
											21	04				

Program Code: IS1S03

Program Name: M.Pharmacy

Year : 2

Semester: 4

R16					R19					Remarks					
Course code	Course name	L	T	P	C	Course code	Course name	L	T	P	C	New Course? (R19)	Deleted Course? (R16)	Content Revision %	
401	Seminar – II						JournalClub				1	Yes			
402	Thesis evaluation						Research Work				16	Yes			
403	Viva – Voce basing on thesis work						Discussion / Presentation (Proposal Presentation)				3			20	
404	Comprehensive Viva Voce														
TOTAL												20	02		