

THE NEW COLLEGE (AUTONOMOUS), CHENNAI-600 014
SEMESTER WISE WORK DISTRIBUTION FOR UG SCIENCE

With effect from Academic year 2017

Number of Hours per Course

Sem	Language	VBE	English	SS	Allied	Core	Part IV	Total Hours Per Week
I	5	1	4	2	9	6+2	IC - 1	30
II	5	1	4	2	9	6+2	ES - 1	30
III	6	-	6	-	9	6+2	NME/AT/BT - 1	30
IV	6	-	6	-	9	6+2	NME/AT/BT - 1	30
V	-	-	-	-	-	24+6	-	30
VI	-	-	-	-	-	18+12	-	30
No. of Teaching Hours	22	2	20	4	36	92	4	180

Credit Details Part Wise

Part	Subject	Course	Credit	Total
I	Language	4	3	12
II	English	4	3	12
III	Major T + P	14	5	70
	Major P	4	3	12
	Allied	4	5	20
IV	SS	2	2	4
	VE	2	2	4
	IC	1	1	1
	ES	1	1	1
	NME	2	1	2
V	EA			2
Total				140

T - Theory

P - Practical

THE NEW COLLEGE (AUTONOMOUS), CHENNAI-600 014
SEMESTER WISE WORK DISTRIBUTION FOR PG (ARTS, COMMERCE & SCIENCE)

With effect from Academic year 2017

Sem	Core	Elective	Extra Dis. Elec.	Softskills	Total
I	4	1	-	1	6
II	4	1	1	1	7
III	4	1	1	1	7
IV	3	2	-	1	6
Total	15	5	2	4	26

Total 26 Courses	26
Total No. of Hours	120

	Subject	Credit	Total
Core Courses	15	4	60
Elective	5	3	15
Extra Dis. Elec.	2	3	6
Soft Skills	4	2	8
Internship	1	2	2
Total			91

Department of Physics (UG)

Sem	Subject Code	Part	Title of the Paper	Hours Week	Credits	Theory/ Practical	Exam Hours	CIA	External Marks	Total Marks	
1	17BXF/17BAF/17BYF/ 17BPF/17BNF101	1	Language - I	5	3	Theory	3	25	75	100	
	17BMF101	2	English - I	4	3	Theory	3	25	75	100	
	17BUM101	3	Properties of Matter and Acoustics	5	5	Theory	3	25	75	100	
	17BTA102		Allied Mathematics - I	9	5	Theory	3	25	75	100	
	17BUMP101		General Physics Practical – I	3	2	Practical	3	25	75	100	
	17BIO101	4	Introduction to Computer and PC Software	1	1	Theory	3	25	75	100	
	17BSO102		Soft Skills	2	2	Theory	3	25	75	100	
	17BVO103		Value Education	1	2	Theory	3	25	75	100	
Total				30	23			200	600	800	
2	17BXF/17BAF/17BYF/ 17BPF/17BNF202	1	Language - II	5	3	Theory	3	25	75	100	
	17BMF202	2	English - II	4	3	Theory	3	25	75	100	
	17BUM202	3	Thermal Physics	5	5	Theory	3	25	75	100	
	17BTA206		Allied Mathematics – II	9	5	Theory	3	25	75	100	
	17BUMP202		General Physics Practical - II	3	2	Practical	3	25	75	100	
	17BEO204	4	Environmental Science	1	1	Theory	3	25	75	100	
	17BSO205		Soft Skills	2	2	Theory	3	25	75	100	
	17BVO206		Value Education	1	2	Theory	3	25	75	100	
Total				30	23			200	600	800	
3	17BXF/17BAF/17BYF/ 17BPF/17BNF303	1	Language - III	6	3	Theory	3	25	75	100	
	17BMF303	2	English - III	6	3	Theory	3	25	75	100	
	17BUM303	3	Mechanics	5	5	Theory	3	25	75	100	
	17BEA301		Allied Chemistry	6	4	Theory	3	25	75	75	
	17BUMP303		General Physics Practical – III	3	2	Practical	3	25	75	100	
				Allied Chemistry Practical*	3	-	Practical	-	-	-	-
	17BUN301	4	Non Major Elective	1	1	Theory	3	25	75	100	
	17BXA301		Advanced Tamil								
17BXB301	Basic Tamil										
Total				30	18			150	450	575	
4	17BXF/17BAF/17BYF/ 17BPF/17BNF404	1	Language - IV	6	3	Theory	3	25	75	100	
	17BMF404	2	English - IV	6	3	Theory	3	25	75	100	
	17BUM404	3	Atomic and Nuclear Physics	5	5	Theory	3	25	75	100	
	17BEA402		Allied Chemistry	6	4	Theory	3	25	75	75	
	17BUMP404		General Physics Practical - IV	3	2	Practical	3	25	75	100	
	17BEAP401		Allied Chemistry Practical	3	2	Practical	3	25	75	50	
	17BUN402	4	Non Major Elective	1	1	Theory	3	25	75	100	
	17BXA402		Advanced Tamil								
17BXB402	Basic Tamil										
Total				30	20			175	525	625	
5	17BUM505	3	Solid State Physics and Nano Science	6	6	Theory	3	25	75	100	
	17BUM506		Electricity, Magnetism and Electromagnetism	6	6	Theory	3	25	75	100	
	17BUM507		Mathematical Methods in Physics	6	6	Theory	3	25	75	100	
	17BUM508		Electronics	6	6	Theory	3	25	75	100	
	17BUMP505		General Physics Practical - V	6	3	Practical	3	25	75	100	
Total				30	27			125	375	500	
6	17BUM609	3	Relativity and Quantum Mechanics	6	6	Theory	3	25	75	100	
	17BUM610		Optics and Spectroscopy	6	6	Theory	3	25	75	100	
	17BUM611		Laser Physics and Fibre Optics	6	6	Theory	3	25	75	100	
	17BUM612		Microprocessor	6	6	Theory	3	25	75	100	
	17BUMP606		Electronics Practical – VI	6	3	Practical	3	25	75	100	
	17BEA601	5	Extension Activity	-	2	-	-	-	-	-	
Total				30	29			125	375	500	
Grand Total				180	140			975	2925	3800	

Department of Physics (PG)

Sem	Subject Code	Part	Title of the Paper	Hours Week	Credits	Theory/ Practical	Exam Hours	CIA	External Marks	Total Marks
1	17MUM101	1	Mathematical Physics	6	4	Theory	3	25	75	100
	17MUM102		Quantum Mechanics - I	6	4	Theory	3	25	75	100
	17MUM103		Classical Mechanics	5	4	Theory	3	25	75	100
	17MUM104		Electronics and Experimental Methods	5	4	Theory	3	25	75	100
	17MUMP101		Physics Practical - I	6	3	Practical	3	25	75	100
	17MSO101	2	Soft Skills	2	2	Theory	3	25	75	100
Total				30	21			150	450	600
2	17MUM205	1	Electromagnetic Theory	5	4	Theory	3	25	75	100
	17MUM206		Quantum Mechanics - II	5	4	Theory	3	25	75	100
	17MUM207		Atomic and Molecular Spectroscopy	5	4	Theory	3	25	75	100
	17MUM208		Energy Physics	5	4	Theory	3	25	75	100
	17MUM209		Material Science	4	3	Theory	3	25	75	100
	17MUMP202		Physics Practical - II	4	3	Practical	3	25	75	100
	17MSO202	2	Soft Skills	2	2	Theory	3	25	75	100
	17MIT201	2	Internship Training	-	2	-	-	-	-	-
Total				30	26			175	525	700
3	17MUM310	1	Thermodynamics and Statistical Mechanics	5	4	Theory	3	25	75	100
	17MUM311		Nuclear and Particle Physics	5	4	Theory	3	25	75	100
	17MUM312		Numerical Methods and Programming	5	4	Theory	3	25	75	100
	17MUM313		Crystal Growth	5	4	Theory	3	25	75	100
	17MUM314		Reactor Physics	4	3	Theory	3	25	75	100
	17MUMP303		Physics Practical - III	4	3	Practical	3	25	75	100
	17MSO303	2	Soft Skills	2	2	Theory	3	25	75	100
Total				30	24			175	525	700
4	17MUM415	1	Condensed Matter Physics	6	4	Theory	3	25	75	100
	17MUM416		Microprocessor and Microcontroller	6	4	Theory	3	25	75	100
	17MUM417		Medical Physics and Ultrasonics	6	4	Theory	3	25	75	100
	17MUMP404		Physics Practical - IV	6	3	Practical	3	25	75	100
	17BUMQ601		Project	4	3	Theory	3	25	75	100
	17MSO404	2	Presentation Skills	2	2	Theory	3	25	75	100
Total				30	20			150	450	600
Grand Total				120	91			650	1950	2600