

SWAMIVIVEKANANDUNIVERSITY, SAGAR(M.P.)



SCHEME

**For
Diploma**

Diploma in Aerospace Engineering

SubjectCode:DAS

DepartmentofAerospace Engineering

FacultyofEngineering

DurationofCourse : 3Years

ExaminationMode : Semester

ExaminationSystem : Grading

SwamiVivekanandUniversity, Sagar, Madhya Pradesh



Swami Vivekanand University, Sagar (M.P)

SYLLABUS



Faculty of Engineering
Department of Aerospace Engineering
Course Code: DAS

Scheme of Course: Diploma in Aerospace
Semester: 3thSem

Sr No	Subject Code	Subject	Lecture Scheme				Distribution of Marks										Grand Total (k=e+j)
			L	T	P	C	Theory		MS T (c)	Quiz & Assignment s (d)	Total (e=a+c+d)	Practical		Team Work		Total (j=f+h+i)	
							Ma x (a)	Mi n (b)				Ma x (f)	Mi n (g)	Qui z (h)	Assignm ents (i)		
1	DAS-301	THERMODYNAMICS	3	1	2	6	70	22	20	10	100	30	9	10	10	50	150
2	DAS-302	APPLIED MECHANICS	3	1	2	6	70	22	20	10	100	30	9	10	10	50	150
3	DAS-303	ELEMENTS OF ELECTRICAL AND ELECTRONICS ENGINEERING	3	1	2	6	70	22	20	10	100	30	9	10	10	50	150
4	DAS-304	INTRODUCTION TO AEROSPACE	3	1	-	4	70	22	20	10	100						100
5	DAS-305	SPACECRAFT MATERIAL & PROCESS	3	1	2	6	70	22	20	10	100	30	9	10	10	50	150
6	DAS-306	THEORY OF FLUID MECHANICS	3	1	2	6	70	22	20	10	100	30	9	10	10	50	150
Total							420		120	60	600	150		50	50	250	850



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Faculty of Engineering
Department of Aerospace Engineering
Course Code: DAS

Scheme of Course: Diploma in Aerospace
Semester: 4thSem

Sr No	Subject Code	Subject	Lecture Scheme				Distribution of Marks										Grand Total (k=e+j)	
			L	T	P	C	Theory		MS T (c)	Quiz & Assignments (d)	Total (e=a+c+d)	Practical		Team Work		Total (j=f+h+i)		
							Max (a)	Min (b)				Max (f)	Min (g)	Quiz (h)	Assignments (i)			
1	DAS-401	GENERIC SKILLS AND ENTREPRENEURSHIP DEVELOPMENT	3	1	-	4	70	22	20	10	100							100
2	DAS-402	MECHANICS OF FLIGHT	3	1	2	6	70	22	20	10	100	30	9	10	10	50	150	
3	DAS-403	AEROSPACE PROPULSION	3	1	2	6	70	22	20	10	100	30	9	10	10	50	150	
4	DAS-404	STRENGTH OF MATERIALS	3	1	2	6	70	22	20	10	100	30	9	10	10	50	150	
5	DAS-405	SPACECRAFT TESTING & MEASUREMENT	3	1	2	6	70	22	20	10	100	30	9	10	10	50	150	
6	DAS-406	SPACECRAFT SYSTEMS	3	1	2	6	70	22	20	10	100	30	9	10	10	50	150	
Total							420		120	60	600	150		50	50		850	



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Faculty of Engineering

Department of Aerospace Engineering

Course Code: DAS

Scheme of Course: Diploma in Aerospace

Semester: 5thSem

Sr No	Subject Code	Subject	Lecture Scheme				Distribution of Marks										Grand Total (k=e+j)
			L	T	P	C	Theory		MS T (c)	Quiz & Assignments (d)	Total (e=a+c+d)	Practical		Team Work		Total (j=f+h+i)	
							Max (a)	Min (b)				Max (f)	Min (g)	Quiz (h)	Assignments (i)		
1	DAS-501	AERODYNAMICS	3	1	2	6	70	22	20	10	100	30	9	10	10	50	150
2	DAS-502	AIRCRAFT STRUCTURES	3	1	2	6	70	22	20	10	100	30	9	10	10	50	150
3	DAS-503	AIRCRAFT INSTRUMENTATION	3	1	2	6	70	22	20	10	100	30	9	10	10	50	150
4	DAS-504	ENVIRONMENTAL SCIENCE	3	1	-	4	70	22	20	10	100						100
5	DAS-505	THEORY OF MACHINES	3	1	-	4	70	22	20	10	100						100
6	DAS-506	COMPUTER AIDED DRAFTING			4	4						30	9	10	10	50	50
Total							350		100	50	500	120		40	40	200	700



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Faculty of Engineering
Department of Aerospace Engineering
Course Code: DAS

Scheme of Course: Diploma in Aerospace
Semester: 6thSem

Sr No	Subject Code	Subject	Lecture Scheme				Distribution of Marks										Grand Total (k=e+j)	
			L	T	P	C	Theory		MS T (c)	Quiz & Assignments (d)	Total (e=a+c+d)	Practical		Team Work		Total (j=f+h+i)		
							Max (a)	Min (b)				Max (f)	Min (g)	Quiz (h)	Assignments (i)			
1	DAS-601	BASICS OF MANAGEMENT	3	1	-	4	70	22	20	10	100							100
2	DAS-602	ELEMENTS OF AVIONICS	3	1	2	6	70	22	20	10	100	30	9	10	10	50	150	
3	DAS-603	AIRCRAFT SAFETY & MANAGEMENT	3	1	-	4	70	22	20	10	100							100
4	DAS-604	AIRCRAFT MAINTENANCE, REPAIR AND OVERHAULING	3	1	2	6	70	22	20	10	100	30	9	10	10	50	150	
5	DAS-605	SPACECRAFT POWER PLANT	3	1	2	6	70	22	20	10	100	30	9	10	10	50	150	
6	DAS-606	PROJECT WORK	-	-	8	8						100	30	50	50	200	200	
Total							350		100	50	500	190		80	80	350	850	