



JOY UNIVERSITY
semper paratus

School of Design

Department of Industrial Design

B. Design Transportation & Automobile Design – I Semester

Sl. No.	Course Code	Course Title	L	T	S	Contact Hrs/Wk	Credits
1	BDFP1101	Global Design History	3			3	4
2	BDFP1102	Elements of Design - I	3			3	4
3	BDFP1103	Design Drawing - I	1	2	3	6	7
4	BDFP1104	Material Studies	3			3	4
5	BDFP1105	Fundamentals of Typography	1	2		3	4
6	BDFP2101	Computer Applications			3	3	3
7	BDFP2102	Design Studio - I			6	6	6
		TOTAL	11	4	12	27	32

B. Design Transportation & Automobile Design – II Semester

Sl. No.	Course Code	Course Title	L	T	S	Contact Hrs/Wk	Credits
1	BDFP1106	Indian Design History	3			3	4
2		Environmental Sciences	3			3	3
3	BDFP1107	Elements of Design - II	3			3	4
4	BDFP1108	Design Drawing - II	1	2	3	6	7
5	BDFP1109	Material Processing			3	3	3
6		Communication Skills in English	2			2	2
7	BDFP1110	Interpersonal & Cross Cultural Skills	1	1	1	3	3
8	BDFP2103	Design Studio - II			6	6	6
		TOTAL	13	3	13	29	32

B. Design Transportation & Automobile Design –III Semester

Sl. No.	Course Code	Course Title	L	T	S	Contact Hrs/Wk	Credits
1	BDTD1201	Mathematics for Design	3			3	4
2	BDTD1202	Automobile Technology	3			3	4
3		Professional Ethics	2	1		3	3
4	BDTD1203	Manufacturing Processes	3			3	4
5	BDTD1204	Advanced Materials	3			3	4
6		Skill Workshop/ Foreign Language			3	3	4
7	BDTD2201	Digital Studio - I			3	3	3
8	BDTD2202	Design Studio - III			6	6	6
9	BDTD2203	Workshop Practice - I			3	3	3
		TOTAL	14	1	15	30	35

B. Design Transportation & Automobile Design – IV Semester

Sl. No.	Course Code	Course Title	L	T	S	Contact Hrs/Wk	Credits
1	BDTD1205	Applied Ergonomics	3			3	4
2	BDTD1206	Automobile Design	3			3	4
3	BDTD1207	Design for electric vehicles	3			3	4
4	BDTD1208	Interaction/ User Interface Design	3			3	4
5	BDTD1210	Rapid Prototyping	3			3	4
6	BDTD2204	Digital Studio - II			6	6	6
7	BDTD2205	Design Studio - IV			6	6	6
8	BDTD2206	Workshop Practice - II			3	3	3
		TOTAL	15		15	30	35

B. Design Transportation & Automobile Design – V Semester

Sl. No.	Course Code	Course Title	L	T	S	Contact Hrs/Wk	Credits
1	BDTD1301	Elective 1	3			3	4
2	BDTD1302	Elective 2	3			3	4
3	BDTD1303	Elective 3	3			3	4
4	BDTD1304	Elective 4	3			3	4
5	BDTD1305	Elective 5	3			3	4
6	BDTD2301	Digital Studio - III			6	6	6
7	BDTD2302	Design Studio - V			6	6	6
		TOTAL	15		12	27	32

B. Design Transportation & Automobile Design – VI Semester

Sl. No.	Course Code	Course Title	L	T	S	Contact Hrs/Wk	Credits
1	BDTD1306	Elective 6	3			3	4
2	BDTD1307	Elective 7	3			3	4
3	BDTD1308	Elective 8	3			3	4
4	BDTD1309	Elective 9	3			3	4
5	BDTD1310	Elective 10	3			3	4
6	BDTD2303	Digital Studio - IV			6	6	6
7	BDTD2304	Design Studio - VI			6	6	6
		TOTAL	15		12	27	32

B. Design Transportation & Automobile Design – VII Semester

Sl. No.	Course Code	Course Title	L	T	S	Contact Hrs/Wk	Credits
1	BDTD3401	Industry Internship					12
2	BDTD3402	Design Project: Phase - I					12
3	BDTD3403	Portfolio Design					12
		TOTAL					36

B. Design Transportation & Automobile Design – VIII Semester

Sl. No.	Course Code	Course Title	L	T	S	Contact Hrs/Wk	Credits
1	BDTD3404	Design Project: Phase - II					36
		TOTAL					36

Credit Summary

	Credits
Semester I	32
Semester II	32
Semester III	35
Semester IV	35
Semester V	32
Semester VI	32
Semester VII	36
Semester VIII	36
Total	270

B. Design Transportation & Automobile Design - Core Electives*							
Sl. No.	Course Code	Course Title	L	T	S	Contact Hrs/Wk	Credits
1		Design of Futuristic Vehicles	3			3	4
2		Design of Material Transport Devices	3			3	4
3		Designing for Automotive Safety	3			3	4
4		Electronics for Automobiles	3			3	4
5		Automobile Upholstery Design	3			3	4
6		Finite Element Analysis	3			3	4
7		Design for Social Responsibility	3			3	4
8		Universal Design	3			3	4
9		Designing for 3D Printing	3			3	4
10		IPR and Copyright	3			3	4

* Out of the 10 electives in the course, 5 should be Core Electives.