

## School of Design

### Department of Industrial Design

#### B. Design Transportation & Automobile Design – Semester I

Sl. No.	Course Code	Course Title	L	T	S	Contact Hrs/Wk	Credits
1	AEEN1111	Communication Skills in English	2	0	0	2	2
2	BDAD1111	Global Design History	3	0	0	3	3
3	BDAD1112	Elements of Design - I	2	1	0	3	3
4	BDAD1113	Design Drawing - I	1	2	3	6	6
5	BDAD1114	Material Studies	3	0	0	3	3
6	BDAD1115	Fundamentals of Typography	1	2	0	3	3
7	BDAD2111	Computer Applications	0	0	3	3	3
8	BDAD2112	Design Thinking - I	0	0	3	3	3
9	BDAD2113	Design Process - I	0	0	3	3	3
10	BDAD2114	Social Etiquette	0	0	1	1	1
		<b>TOTAL</b>	<b>12</b>	<b>5</b>	<b>13</b>	<b>30</b>	<b>30</b>

**B. Design Transportation & Automobile Design – Semester II**

<b>Sl. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>S</b>	<b>Contact Hrs/Wk</b>	<b>Credits</b>
1	AEEV1121	Environmental Science	2	0	0	2	2
2	BDAD1121	Indian Design History	3	0	0	3	3
3	BDAD1122	Elements of Design - II	2	1	0	3	3
4	BDAD1123	Design Drawing - II	1	2	3	6	6
5	BDAD1124	Interpersonal & Cross Cultural Skills	1	1	1	3	3
6	BDAD2121	Applied Science for Designers	0	0	3	3	3
7	BDAD2122	Material Processing	0	0	3	3	3
8	BDAD2123	Design Thinking - II	0	0	3	3	3
9	BDAD2124	Design Process - II	0	0	3	3	3
10	BDAD2125	Business Etiquette	0	0	1	1	1
		<b>TOTAL</b>	<b>9</b>	<b>4</b>	<b>17</b>	<b>30</b>	<b>30</b>

**B. Design Transportation & Automobile Design – Semester III**

<b>Sl. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>S</b>	<b>Contact Hrs/Wk</b>	<b>Credits</b>
1	BDAD1211	Mathematics for Design	3	0	0	3	3
2	BDAD1212	Manufacturing Processes	3	0	0	3	3
3	BDAD1213	Automobile Technology	3	0	0	3	3
4	BDAD1214	Engineering Mechanics	3	0	0	3	3
5	BDAD1215	Professional Ethics	2	0	0	2	2
6	BDAD2211	Skill Workshop/ Foreign Language	0	0	4	4	4
7	BDAD2212	Automotive Illustration- I	0	0	3	3	3
8	BDAD2213	Mobility Product Design - I	0	0	3	3	3
9	BDAD2214	Digital Sculpting	0	0	3	3	3
10	BDAD2215	Workshop Practice - I	0	0	3	3	3
		<b>TOTAL</b>	<b>14</b>	<b>0</b>	<b>16</b>	<b>30</b>	<b>30</b>

**B. Design Transportation & Automobile Design – Semester IV**

<b>Sl. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>S</b>	<b>Contact Hrs/Wk</b>	<b>Credits</b>
1	BDAD1221	Applied Ergonomics	3	0	0	3	3
2	BDAD1222	Automobile Design	3	0	0	3	3
3	BDAD1223	Design for electric vehicles	3	0	0	3	3
4	BDAD1224	Rapid Prototyping	3	0	0	3	3
5	BDAD1225	Interaction/ User Interface Design	2	1	0	3	3
6	BDAD2221	Automotive Illustration- II	0	0	3	3	3
7	BDAD2222	Mobility Product Design - II	0	0	3	3	3
8	BDAD2223	Ergonomics Lab	0	0	3	3	3
9	BDAD2224	Rapid Prototyping Lab	0	0	3	3	3
10	BDAD2225	Workshop Practice - II	0	0	3	3	3
		<b>TOTAL</b>	<b>14</b>	<b>1</b>	<b>15</b>	<b>30</b>	<b>30</b>

**B. Design Transportation & Automobile Design – Semester V**

<b>Sl. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>S</b>	<b>Contact Hrs/Wk</b>	<b>Credits</b>
1	PEAD131#	PSE				3	3
2	GEID131#	GEID				3	3
3	GEID131#	GEID				3	3
4	PE/GE	PSE/GE				3	3
5	PE/GE	PSE/GE				3	3
6	PE/GE	PSE/GE				3	3
7	BDAD2311	Automotive Illustration- III	0	0	3	3	3
8	BDAD2312	Mobility Product Design - III	0	0	3	3	3
9	BDAD2313	Vehicle Styling	0	0	3	3	3
10	BDAD2314	Photography Lab	0	0	3	3	3
		<b>TOTAL</b>				<b>30</b>	<b>30</b>

**B. Design Transportation & Automobile Design – Semester VI**

<b>Sl. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>S</b>	<b>Contact Hrs/Wk</b>	<b>Credits</b>
1	PEAD132#	PSE				3	3
2	GEID132#	GEID				3	3
3	GEID132#	GEID				3	3
4	PE/GE	PSE/GE				3	3
5	PE/GE	PSE/GE				3	3
6	PE/GE	PSE/GE				3	3
7	BDAD2321	UI Design Lab	0	0	3	3	3
8	BDAD2322	UX Design Lab	0	0	3	3	3
9	BDAD2321	Special Purpose Vehicle Design	0	0	3	3	3
10	BDAD2322	Mobility Product Design - IV	0	0	3	3	3
		<b>TOTAL</b>				<b>30</b>	<b>30</b>

**B. Design Transportation & Automobile Design – Semester VII**

<b>Sl. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>S</b>	<b>Contact Hrs/Wk</b>	<b>Credits</b>
1	BDAD3411	Industry Internship	#	#	#	#	12
2	BDAD3412	Design Project: Phase - I	#	#	#	#	12
3	BDAD3413	Portfolio Design	#	#	#	#	12
		<b>TOTAL</b>	#	#	#	#	<b>36</b>

**B. Design Transportation & Automobile Design – Semester VIII**

<b>Sl. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>S</b>	<b>Contact Hrs/Wk</b>	<b>Credits</b>
1	BDAD3421	Design Project: Phase - II	#	#	#	#	36
		<b>TOTAL</b>	#	#	#	#	<b>36</b>

### Credit Summary

	<b>Credits</b>
Semester I	30
Semester II	30
Semester III	30
Semester IV	30
Semester V	30
Semester VI	30
Semester VII	36
Semester VIII	36
<b>Total</b>	<b>252</b>

<b>B. Design Transportation &amp; Automobile Design – Programme Specific Electives</b>							
<b>Sl. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>S</b>	<b>Contact Hrs/Wk</b>	<b>Credits</b>
1	PEAD1311	Design of Futuristic Vehicles	2	1	0	3	3
2	PEAD1312	Design of Material Transport Devices	2	1	0	3	3
3	PEAD1313	Designing for Automotive Safety	2	1	0	3	3
4	PEAD1321	Electronics for Automobiles	2	1	0	3	3
5	PEAD1322	Automobile Upholstery Design	1	1	1	3	3
6	PEAD1323	Design of Special Purpose Heavy Duty vehicles	2	1	0	3	3

#Out of the 12 electives in the programme, 2 should be programme specific electives, 4 should be Global Electives offered by Department of Industrial Design.

<b>Global Electives – Department of Industrial Design</b>							
<b>Sl. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>S</b>	<b>Contact Hrs/Wk</b>	<b>Credits</b>
1	GEID1311	Joining Technology	3	0	0	3	3
2	GEID1312	Design for Social Responsibility	2	1	0	3	3
3	GEID1313	Universal Design	2	1	0	3	3
4	GEID1314	Fundamentals of Finite Element Analysis	2	1	0	3	3
5	GEID1315	Advanced Materials	3	0	0	3	3
6	GEID1321	Designing for 3D Printing	3	0	0	3	3
7	GEID1322	Estimation and Costing	3	0	0	3	3
8	GEID1323	Foundry Technology	3	0	0	3	3
9	GEID1324	Forming Technology	3	0	0	3	3
10	GEID1325	Non Traditional Machining	3	0	0	3	3