

PROGRAM STRUCTURES OF THE PROPOSED MASTERS PROGRAMS

M. Des. (Industrial Design)

Teaching Scheme

Year: Autumn Semester

Teaching Scheme					Contact Hrs Per Week			Exam Duration		Relative Weightage %				
S No.	Course Code	Course Title	Subject Area	Credits	L	T	P	T	P	CWS	PRS	MTE	ETE	PRE
1	IDN-501**	Introduction to Design and Prototyping	PCC	Audit	15	5	10	02	-	35	35	-	30	-
2	IDN-503	Design Thinking	PCC	3	1	0	4	2	0	20-35	20-30	20-30	40-50	-
3	IDN-505	Elements and Principles of Visual Design	PCC	3	2	1	0	2	0	20-35	-	20-30	40-50	-
4	IDN-507	Human Factor Design	PCC	3	1	2	0	2	0	20-35	-	20-30	40-50	-
5	IDN-509	Materials and Manufacturing	PCC	3	1	1	2	2	0	20-35	20-30	20-30	40-50	-
6	IMN-503	Effective Communication	PCC	2	1	1	0	2	0	20-35	-	20-30	40-50	-
7	IDN-513	Ideation Project	PCC	4	1	0	6	-	-	-	100	-	-	-
8		Program Elective I	PEC	3	-	-	-	-	-	-	-	-	-	-
Sub Total				21										

** This is a foundation course which will be running for 7-10 days to give orientation of Design course. It will be held before actual start of the semester teaching.

I Year: Spring Semester

Teaching Scheme					Contact Hrs Per Week			Exam Duration		Relative Weightage%				
S No.	Course Code	Course Title	Subject Area	Credits	L	T	P	T	P	CWS	PRS	MTE	ETE	PRE
1	IDN-502	Design Methodology	PCC	3	2	0	2	2	0	20-35	20-30	20-30	40-50	-
2	IDN-504	Form Design	PCC	3	1	0	4	0	4	20-35	20-30	-	-	40-50
3	IDN-506	Design for Sustainability	PCC	3	2	1	0	2	0	20-35	-	20-30	40-50	-
4	IDN-508	Creation Project	PCC	5	-	-	10	-	-	-	100	-	-	-
5	IDN-510	Design Seminar	PCC	2	-	-	4	-	-	100	-	-	-	-
6		Program Elective II	PEC	3	-	-	-	-	-	20-35	-	20-30	40-50	-
7		Program Elective III	PEC	3	-	-	-	-	-	20-35	-	20-30	40-50	-
Sub Total				22										

II Year: Autumn Semester

Teaching Scheme					Contact Hrs Per Week			Exam Duration		Relative Weightage%				
S No.	Course Code	Course Title	Subject Area	Credit	L	T	P	T	P	CWS	PRS	MTE	ETE	PRE
1	IDN-702	Internship (Industrial Training/ Project/ Interaction)	SEM	4	-	-	-	-	-	-	-	-	-	100 ^{\$\$}
2		Program Elective IV	PEC	3	-	-	-	-	-	15-35	-	25-35	40-50	-
3		Program Elective V*	PEC	3	-	-	-	-	-	-	-	-	-	-
4	IDN-701A	Design Project (Phase – I)	DIS	5	-	-	-	-	-	-	-	-	-	100
Sub Total				15										

^{\$\$} Evaluation scheme: (Industry: 40 + Institute: 60) Internship will be completed during summer break.

*May be completed through online mode (for example, NPTEL).

II Year: Spring Semester

Teaching Scheme					Contact Hrs Per Week			Exam Duration		Relative Weightage %				
S No.	Course Code	Course Title	Subject Area	Credit	L	T	P	T	P	CWS	PRS	MTE	ETE	PRE
1.	IDN-701 B	Design Project (Phase – II)	DIS	12	-	-	-	-	-	-	-	-	-	100
Sub Total				12										
Total				70										

Basket of Elective Courses for M. Des. (Industrial Design)

Basket 1 Engineering Group

Teaching Scheme					Contact Hrs Per Week			Exam Duration		Relative Weightage%				
S No.	Course Code	Course Title	Subject Area	Credits	L	T	P	T	P	CWS	PRS	MTE	ETE	PRE
First Semester														
1	IDN-521	Sensors, Actuators and IOT	PEC	3	2	0	2	2	0	20-35	20-30	20-30	40-50	-
2	IDN-522	Computer Aided Design	PEC	3	2	0	2	2	0	20-35	20-30	20-30	40-50	-
3	IDN-523	Rapid Prototyping	PEC	3	2	0	2	2	0	20-35	20-30	20-30	40-50	-
Second Semester														
4	IDN-524	Digital Systems Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
5	IDN-525	CAE in Product Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
6	IDN-526	Reverse Engineering	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
Third Semester														
7	IDN-527	Artificial Intelligence and Data Science	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-

Basket 2 Management Group

Teaching Scheme					Contact Hrs Per Week			Exam Duration		Relative Weightage%				
S No.	Course Code	Course Title	Subject Area	Credits	L	T	P	T	P	CWS	PRS	MTE	ETE	PRE
First Semester														
1	IDN-528	Product Planning and Marketing	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
Second Semester														
2	IDN-529	Valuation	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
3	IDN-530	Business and Service Innovation	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
Third Semester														
4	IDN-531	Legal Standards/IPR	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
5	IDN-532	Systems Thinking	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-

Basket 3 Design Group

Teaching Scheme					Contact Hrs Per Week			Exam Duration		Relative Weightage%				
S No.	Course Code	Course Title	Subject Area	Credits	L	T	P	T	P	CWS	PRS	MTE	ETE	PRE
First Semester														
1	IDN-533	User Experience Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
Second Semester **														
1	IDN-534	Interaction Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
2	IDN-535	Mobility Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
3	IDN-536	Service Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
1	IDN-537	Research into Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
2	IDN-538	Bio Inspired Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
Third Semester														
1	IDN-539	Computer Game Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
2	IDN-540	Design for Society	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-

** Student can take PEC either from first three or last two subjects.

Basket 4 Visual Design Group

Teaching Scheme					Contact Hrs Per Week			Exam Duration		Relative Weightage%				
S No.	Course Code	Course Title	Subject Area	Credits	L	T	P	T	P	CWS	PRS	MTE	ETE	PRE
First Semester														
1	IDN-541	Graphic Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
Second Semester														
1	IDN-542	Product Detailing	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
2	IDN-543	Contemporary Visual Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
Third Semester														
1	IDN-544	Representation Techniques for Animation	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
2	IDN-545	Visual Narrative	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-

Basket 5 On-line mode: NPTEL

A list of approved NPTEL courses by DAPC will be provided to students.

- Course duration: 20hrs

The courses will be PEC without laboratory work