

PARUL UNIVERSITY - FACULTY OF DESIGN

Department of Bachelor of Design

SYLLABUS FOR 4th Sem DES PROGRAMME

Furniture Technology (18103251)

Type of Course: DES

Prerequisite:

Rationale:

Teaching and Examination Scheme:

Teaching Scheme			Credit	Examination Scheme					Total
Lect Hrs/ Semester	Tut Hrs/ Semester	Lab Hrs/ Semester		External		Internal			
				T	P	T	CE	P	
36	36	36	5	-	40	-	60	-	100

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical

Contents:

Sr.	Topic	Weightage	Teaching Hrs.
1	Introduction to Machining workshop:: Tools and standards, Lathe, shaper, drilling machine, milling machine	10%	6
2	Sheet Metal and tube processes:: Shearing, bending, punching, blanking, rolling, edge rolling, pipe bending	10%	6
3	Joining and Forming processes:: Casting, welding and forging	10%	6
4	Fastners:: screws, threads, rivets, gaskets, drilling, boring and tapping	10%	6
5	Surface finishing:: grinding, polishing, buffing, electroplating, sandblasting, knurling	10%	6
6	Metals:: Study of different metals in industry and crafts eg. Aluminium, brass	10%	6
7	Woodworking:: introduction, basic processes and joineries	10%	6
8	Composites and Miscellaneous materials:: Other materials like ceramics, glass, plastics, ply board, foam etc. used in contemporary furniture	10%	6

9	Technologies for surface design:: Vivid surface finishing, vacuum sealing, etching and printing technology, lamination for interior items	10%	6
10	Assignment:: Research/Design project	10%	18

***Continuous Evaluation:**

It consists of Assignments/Seminars/Presentations/Quizzes/Surprise Tests (Summative/MCQ) etc.

PARUL UNIVERSITY - FACULTY OF DESIGN

Department of Bachelor of Design

SYLLABUS FOR 4th Sem DES PROGRAMME

Space & Form Studies II (18103252)

Type of Course: DES

Prerequisite:

Rationale:

Teaching and Examination Scheme:

Teaching Scheme			Credit	Examination Scheme					Total
Lect Hrs/ Semester	Tut Hrs/ Semester	Lab Hrs/ Semester		External		Internal			
				T	P	T	CE	P	
0	36	108	5	-	40	-	60	-	100

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical

Contents:

Sr.	Topic	Weightage	Teaching Hrs.
1	Form Transition – 3D: Form Transition – 3D	10%	12
2	Form Integration and Radii Manipulation – 3D: Form Integration and Radii Manipulation – 3D	20%	12
3	Exploration with the 3D unit: Exploration with the 3D unit – tessellation/pattern/ texture/composition	10%	12
4	Space Exploration – Intersection of planes: Space Exploration – Intersection of planes	10%	12
5	Space Exploration – Intersection of complex surfaces: Space Exploration – Intersection of complex surfaces	10%	12
6	Space Exploration – Intersection of geometric bodies: Space Exploration – Intersection of geometric bodies	10%	12
7	Space Exploration – wireframes: Space Exploration – wireframes	10%	12
8	Space Exploration – organic sculpting: Space Exploration – organic sculpting	10%	12

9	Space Exploration – Abstract sculpting: Space Exploration – Abstract sculpting	10%	12
---	--	-----	----

***Continuous Evaluation:**

It consists of Assignments/Seminars/Presentations/Quizzes/Surprise Tests (Summative/MCQ) etc.

PARUL UNIVERSITY - FACULTY OF DESIGN

Department of Bachelor of Design

SYLLABUS FOR 4th Sem DES PROGRAMME

Design Project II (18103253)

Type of Course: DES

Prerequisite:

Rationale:

Teaching and Examination Scheme:

Teaching Scheme			Credit	Examination Scheme					Total
Lect Hrs/ Semester	Tut Hrs/ Semester	Lab Hrs/ Semester		External		Internal			
				T	P	T	CE	P	
0	36	36	3	-	40	-	60	-	100

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical

Contents:

Sr.	Topic	Weightage	Teaching Hrs.
1	Research:: Identify the design problem. Conduct detailed user research, market research, literature review and investigate areas of improvement	30%	12
2	Concept Generation:: Creation of design brief. Generate different concepts and ideas to see vivid possibilities for improvement	30%	12
3	Making:: Finalize a solution and prototype/model few concepts to assess feasibility and optimization. Model your solution in a suitable material. Render your solution with the help of digital/manual medium. Assess your solutions on principle of ergonomics and design principles.	40%	12

***Continuous Evaluation:**

It consists of Assignments/Seminars/Presentations/Quizzes/Surprise Tests (Summative/MCQ) etc.

PARUL UNIVERSITY - FACULTY OF DESIGN

Department of Bachelor of Design

SYLLABUS FOR 4th Sem DES PROGRAMME

Interior Furniture Design (18103254)

Type of Course: DES

Prerequisite:

Rationale:

Teaching and Examination Scheme:

Teaching Scheme			Credit	Examination Scheme					Total
Lect Hrs/ Semester	Tut Hrs/ Semester	Lab Hrs/ Semester		External		Internal			
				T	P	T	CE	P	
0	36	144	6	-	40	-	60	-	100

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical

Contents:

Sr.	Topic	Weightage	Teaching Hrs.
1	Interior furniture research and study:: Classification, Historical trends across different civilizations, social context, materials, colour and surface finishes	25%	36
2	Research:: Identify the design problem. Conduct detailed user research, market research, literature review and investigate areas of improvement	25%	36
3	Concept Generation:: Creation of design brief. Generate different concepts and ideas to see vivid possibilities for improvement	25%	36
4	Making:: Finalize a solution and prototype/model few concepts to assess feasibility and optimization. Model your solution in a suitable material. Render your solution with the help of digital/manual medium. Assess your solutions on principle of ergonomics and design principles.	25%	36

***Continuous Evaluation:**

It consists of Assignments/Seminars/Presentations/Quizzes/Surprise Tests (Summative/MCQ) etc.

PARUL UNIVERSITY - FACULTY OF DESIGN

Department of Bachelor of Design

SYLLABUS FOR 4th Sem DES PROGRAMME

CAD IV (18103255)

Type of Course: DES

Prerequisite:

Rationale:

Teaching and Examination Scheme:

Teaching Scheme			Credit	Examination Scheme					Total
Lect Hrs/ Semester	Tut Hrs/ Semester	Lab Hrs/ Semester		External		Internal			
				T	P	T	CE	P	
0	18	144	5	-	40	-	60	-	100

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical

Contents:

Sr.	Topic	Weightage	Teaching Hrs.
1	Architectural 3D modeling: Architectural 3D modeling	25%	36
2	Representation of three dimensional interior environments: Representation of three dimensional interior environments	25%	36
3	Complex surfaces, forms and solids: Complex surfaces, forms and solids	25%	36
4	Advanced rendering and walkthroughs: Advanced rendering and walkthroughs	25%	36

***Continuous Evaluation:**

It consists of Assignments/Seminars/Presentations/Quizzes/Surprise Tests (Summative/MCQ) etc.

PARUL UNIVERSITY - FACULTY OF DESIGN

Department of Bachelor of Design

SYLLABUS FOR 4th Sem DES PROGRAMME

Photography II (18103280)

Type of Course: DES

Prerequisite:

Rationale:

Teaching and Examination Scheme:

Teaching Scheme			Credit	Examination Scheme					Total
Lect Hrs/ Semester	Tut Hrs/ Semester	Lab Hrs/ Semester		External		Internal			
				T	P	T	CE	P	
0	0	36	1	-	40	-	60	-	100

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical

PARUL UNIVERSITY - FACULTY OF DESIGN

Department of Bachelor of Design

SYLLABUS FOR 4th Sem DES PROGRAMME

Textile Study II (18103281)

Type of Course: DES

Prerequisite:

Rationale:

Teaching and Examination Scheme:

Teaching Scheme			Credit	Examination Scheme					Total
Lect Hrs/ Semester	Tut Hrs/ Semester	Lab Hrs/ Semester		External		Internal			
				T	P	T	CE	P	
0	0	36	1	-	40	-	60	-	100

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical