

RAJIV GANDHI PROUDYOGIKI VISHVAVIDYALAYA (DIPLOMA WING)

BHOPAL T02 DIPLOMA IN TEXTILE TECHNOLOGY

PART A:- PROCESS OF CURRICULUM DEVELOPMENT

LIST OF IDENTIFIED PROFESSIONAL ROLES

1. To apply knowledge of mathematics, science, and engineering.
2. To design and conduct experiments, as well as to analyze and interpret data.
3. To design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
4. To function on multidisciplinary teams.
5. To identify, formulate, and solve engineering problems.
6. To understand professional and ethical responsibility.
7. To communicate effectively.
8. To understand the impact of engineering solutions in a global, economic, environmental, and societal context.
9. To engage in lifelong learning.
10. To use the techniques, skills, and modern engineering tools necessary for engineering practice.

LOs FORMATION

COURSE NAME: - FABRIC SSTRUCTURE & CLOTH ANALYSIS -2 (403)

(Total 100 Hrs. , Total 100 Marks)

List of COs and Los

CO1: To understand the basics of colors and application of colors in textile (20Hrs, 20 marks)

LO1: To understand the theoretical aspects of color and color theory(10 Hrs., 10 Marks)

LO2: To understand the application of color and weave effect .(10 Hrs., 10 Marks)

CO2: To understand and design of welt, pique and backed clothes (20Hrs, 20 marks)

LO1: To understand the designing of welt and pique weaves(10 Hrs., 10 Marks)

LO2: To understand the designing of backed clothes weaves (10 Hrs., 10 Marks)

CO3: To understand and design of double clothes and damask weave.

(20Hrs, 20 marks)

LO1: To understand the designing of different types of double weaves. (10 Hrs., 10 Marks)

LO2: To understand the designing of demask weaves (10 Hrs., 10 Marks)

CO4: To understand the designing of Extra figuring and turkish towels.

(20Hrs, 20 marks)

LO1: To understand the different types of Extra figuring weaves. (10 Hrs., 10 Marks)

LO2: To understand the designing of different types of Turkish towel weaves (10 Hrs., 10Marks)

CO5: To understand the designing of brocade weaves and stripes and checks weaves

(20 Hrs, 20 marks)

LO1: To understand the designing of brocade weaves

(10 Hrs, 10 Marks)

LO2: To understand the designing of different types of stripes and check weaves.

(10Hrs,10 Marks)

PART B:- CURRICULUM OF TEXTILE TECHNOLOGY

RGPV (Diploma Wing) Bhopal			COURSE PLAN				Format -2	Sheet No. 1/1	
Course Name		FABRIC SSTRUCTURE & CLOTH ANALYSIS -1				Semester		FOURTH	
Branch	TEXTILE TECHNOLOGY		Course Code	403	No. of COs	05	No. of LOs	10	
Total Hrs. of Teaching Learning	100	Total Marks	100	Total no. of Assessments	10	Types of Assessments	No. of External Assessments	NIL	
DESCRIPTION OF OUTCOMES							T-L Hrs.	Max. Marks	
CO 01	T024031	To understand the basics of colors and application of colors in textile					20	20	
Los	T0240311	To understand the theoretical aspects of color and color theory					10	10	
	T0240312	To understand the application of color and weave effect					10	10	
CO 02	T024032	To understand and design of welt,pique and backed clothes					20	20	
Los	T0240321	To understand the designing of welt and pique weaves					10	10	
	T0240322	To understand the designing of backed clothes weaves					10	10	
CO 03	T054033	To understand and design of double clothes and damask weave					20	20	
Los	T0240331	To understand the different types of double cloth weaves					10	10	
	T0240332	To understand the designing of demask weaves					10	10	
CO 04	T024034	To understand the designing of Extra figuring and turkish towels					20	20	
Los	T0240341	To understand the different types of Extra figuring weaves					10	10	
	T0240342	To understand the designing of different types of Turkish towel weaves					10	10	
CO 05	T024035	To understand the designing of brocade weaves and stripes and checks weaves					20	20	
Los	T0240351	To understand the designing of brocade weaves					10	10	
	TO240352	To understand the designing of different types of stripes and check weaves.					10	10	

RGPV (DIPLOMA WING) BHOPAL		OCB CURRICULUM FOR THE COURSE		FORMAT - 3	Sheet No. 1/3	
Branch	TEXTILE TECHNOLOGY		Semester	FOURTH		
Course Code	403	Course Name	FABRIC SSTRUCTURE & CLOTH ANALYSIS -2			
Course Outcome 1	Student will be able to explain the application of colors in textile and different color and weave effects			Teach Hrs	Marks	
Learning Outcome 1	Student will be able to explain the basics of colors and development of color and weave effects on design paper			10	10	
CONTENT	Color, color theory, primary and secondary color, combination of different coloured threads, classifications of different color and weave effects on graph paper, producing different effects with same weave and color.					
Method of Assessment	Paper pen test					
Learning Outcome 2	Student will be able to draw/ develop the various color and weave effects on design paper			10	10	
CONTENT	To undenstand the construction method of designing the continous line effect, Hound's tooth pattern, Bird's eye effect,, Hairline effect, Step pattern, check effect and all over effect.					
Method of Assessment	Paper pen test					
Learning outcome 3	Student will be able to to analyze the cloth of different weave patterns like Step patterns, Hound's tooth effect, hair line effect, bird's eye effect etc and construct the design , draft, pegplan on design paper.			10	10	
CONTENT						
Method of Assessment	Laboratory assessment					
Course Outcome 2	Student will be able to describe the design of welt, pique and backed clothes					
Learning Outcome 1	Able to describe the designing of welt and pique weaves			10	10	

CONTENT	Construction of design and cross section of Pique structure, Ordinary welt structure, welt wedded welts, Fast back welt on design paper		
Method of Assessment	Paper pen test		
Learning Outcome 2	Student will be able to describe the designing of backed clothes weaves	10	10
CONTENT	Method and objects of backing, welt backed cloth, reversible backed cloth, warp backed cloth with different designs.		
Method of Assessment	Paper pen test		
Learning Outcome 3	Student will be able to analyze the cloth of backed cloth, welt and pique etc and construct the design , draft, peg plan on design paper		
Contents			
Method of Assessment	Laboratory assessment		
Course Outcome 3	Student will be able to describe design of double clothes and damask weave	Hrs	Marks
Learning Outcome 1	Student will be able to describe different types of double cloth weaves	10	08
CONTENT	Understanding the concept of double cloth weaves and constructions of designs of double cloth weaves along with design and cross section.. Classification of different types of double clothes.		
Method of Assessment	Paper pen test		
Learning Outcome 2	Student will be able to describe the designing of damask weaves	10	08
CONTENT	Understanding the concept of damask weaves and constructions of designs of damask weaves along with draft, peg plan and denting plans. Application of damask weave.		
Method of Assessment	Paper pen test		
Learning Outcome 3	Student will be able to analyze the cloth of double clothes and damask clothes and construct the design , draft, peg plan on design paper.		
CONTENT			
Method of Assessment	Laboratory assessment		

Course Outcome 4	Student will be able to describe the designing of Extra figuring and Turkish towels		
Learning Outcome 1	Student will be able to describe the different types of Extra figuring weaves	10	08
CONTENT	Understanding the concept of Extra figuring cloth. Types of extra figured fabrics . constructions of designs of extra figured fabrics. Disposing off of extra and surplus threads End uses of extra figured fabrics.		
Method of Assessment	Paper pen test		
Learning Outcome 2	Student will be able to describe the designing of different types of Turkish towel weaves	10	08
CONTENT	Understanding the concept of turkish towel weaves and constructions of designs of terry weave designs along with draft, peg plan, denting plans and x section. To explain the end uses of terry clothes.		
Method of Assessment	Paper pen test		
Learning Outcome 3	Student will be able to demonstrate the weaves of cloth of extra figured cloth and Turkish towels and construct the design , draft, peg plan on design paper.		
CONTENT			
Method of Assessment	Laboratory assessment		
Course Outcome 5	Student will be able to describe designing of brocade weaves and stripes and checks weaves		
Learning Outcome 1	Student will be able to describe the designing of brocade weaves	10	08
CONTENT	Student will be able to discuss the concept of brocade weaves and constructions of designs of brocade weaves along with draft, peg plan and denting plans. To explain the end uses of brocade weaves.		
Method of Assessment	Paper pen test		
Learning Outcome 2	Student will be able to describe designing of different types of stripes and check weaves.	10	08
CONTENT	Forms of stripes and checks, selection of weaves, relative firmness of the weaves, classifications, methods of construction, crammed stripes. End uses of stripes and check weaves		
Method of Assessment	Paper pen test		

Learning Outcome 3	Student will be able to analyze the cloth of brocade weaves and stripes and check weaves and construct the design , draft, peg plan on design paper.		
CONTENT			
Method of Assessment	Laboratory assessment		