

Teaching guide

IDENTIFICATION DETAILS

Degree:	Diploma in Fashion Design (UFV-Awarded Title associated with Design)		
Field of Knowledge:	Social and Legal Science		
Faculty/School:	Communication Science		
Course:	DESIGN AND PRIME MATERIALS		
Type:	Compulsory Internal	ECTS credits:	6
Year:	2	Code:	34124
Teaching period:	Third semester		
Teaching type:	Classroom-based		
Language:	English		
Total number of student study hours:	150		
Teaching staff	E-mail		
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SUBJECT DESCRIPTION

La asignatura Diseño Textil , pretende ser un curso introductorio al mundo textil para los alumnos que comienzan sus estudios de Grado Universitario en Diseño . Los contenidos y conocimientos necesarios para el alumno se irán exponiendo de manera progresiva y gradual para su fácil comprensión.

El material comprende desde la obtención de las fibras hasta la tela terminada.

En principio los temas ó unidades están organizados para proporcionar un conocimiento general y después proporcionar información más específica de cada proceso en la obtención de textiles.

Para un Diseñador de Moda es indispensable el conocimiento de los materiales que va a utilizar en sus

creaciones. Este conocimiento debe abordarse desde dos sectores, el creativo y el técnico. Mediante el estudio de esta asignatura el alumno verá que ambas disciplinas en el mundo textil están íntimamente ligadas, y que el dominio de la técnica les abre nuevas posibilidades en el plano creativo.

Los textiles son tan antiguos como la humanidad, y su uso ha ido adaptándose al hombre a medida que esta evolucionaba y la ciencia y la técnica avanzaban. Por lo tanto, en el sector textil y por extensión en el de la moda, la tradición y la novedad van de la mano. Avances tecnológicos han posibilitado nuevas modas y tendencias, y viceversa, los dictados de la moda han hecho que se investigue en nuevos materiales que respondan a las necesidades sociales y de los creadores de moda.

Ampliación de información

La asignatura Diseño Textil pretende aportar al diseñador una base teórico-técnica, que le permita afrontar sus creaciones con un mayor espectro de posibilidades y alternativas técnicas; asimismo como unos conocimientos que le permitan solucionar problemas de producción en sus colecciones.

Mediante el estudio de la Técnica Textil el alumno sabrá analizar mejor las tendencias en los diferentes momentos de la historia de la moda, podrá seleccionar de una manera adecuada los materiales textiles para usos concretos y específicos. Utilizar correctamente la terminología textil. Elección correcta de los materiales en función del efecto que quiera lograr en sus colecciones. Identificar fibras, hilos, telas mediante análisis y pruebas simples. Comprender como la composición de una tela determina su comportamiento y su posterior cuidado. En general el alumno tendrá una visión global pero a la vez particular de los materiales con los que va a trabajar.

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The Textile Design course is intended to be an introductory course to the textile world for students who are beginning their undergraduate studies in Design.

The contents and knowledge necessary for the student will be will be exposed in a progressive and gradual way for its easy comprehension. The material includes from the obtaining of the fibers to the finished fabric.

For a Fashion Designer it is indispensable to know the materials to be used in their creations. This knowledge must be approached from two sectors, the creative and the technical. Through the study the student will see that both disciplines in the textile world are closely linked, and that the mastery of the technique opens new mastery of technique opens up new possibilities in the creative field. Textiles are as old as mankind, and their use has been adapting to man as he has evolved. Therefore, in the textile sector and, by extension, in the fashion sector, tradition and novelty go hand in hand, Technological advances have enabled new fashions and trends, and viceversa, the dictates of the of fashion have led to research into new materials that respond to the needs of society and fashion designers.

The Textile Design course aims to provide the designer with a theoretical-technical base that will allow to face their creations with a wider range of possibilities. Through the study of Textile Technique, the student will know how to better analyze trends in the different moments of fashion history. They will be able to select in an correct way the textile materials for concrete and specific uses. Correct use of textile terminology. Correct choice of materials according to the Depending on the effect you want to achieve in your collections.

Identify fibers, yarns, fabrics through analysis and simple tests. Understand how the composition of a fabric determines its behavior and subsequent care. In general, the student will have a global vision but at the same time a particular vision of the materials he/she will be working with.

GOAL

Master and know the materials and techniques necessary for the execution and realization of fashion collections. Interpret ideas and designs creatively and with a personal image. Apply with criteria the knowledge acquired about raw materials and their properties to each project.

Analyze the properties and characteristics of the most relevant fabrics, as well as their component fibers.

To clearly recognize different types of flat knitted fabrics and finishes that will determine the subsequent uses and applications of these materials -To identify different fabric manufacturing systems and to know how they affect the characteristics and properties of the final product.

-To summarize the main manufacturing methods and to analyze the similarities and differences between them.

-Experiment with different materials on fabrics. Select different textiles for the design of a garment. Relate base products, trends and production methods. The specific aims of the course are:

- To apply with criterion the knowledge acquired about raw materials and their properties to each project.

- To interpret ideas and designs creatively and with a personal image.

- Analyze the positive and negative factors of the most relevant fabrics.

- Recognize clearly the different types of fabrics: flat fabrics, knitted fabrics, non-woven fabrics and finishes of both.

- Identify different fabric manufacturing systems and know how they affect the characteristics and properties of the final product.

- Summarize the main manufacturing methods and analyze the similarities and differences between them. -

Experiment with different materials on fabrics.

- Select different textiles for the design of a garment.

- Analyze and choose base products, trends and production methods.

PRIOR KNOWLEDGE

You will need basic knowledge of fabrics, although in the course we will start from the most basic level and desire to study and play with fabrics to create new developments, new designs where the sustainability part is important.

Minimal knowledge of the history of fashion, as we will review the designers who have played the most with fabrics and created their own style.

COURSE SYLLABUS

1: BRIEF INTRODUCTION TO TEXTILES (1 HR.)

-HISTORY OF TEXTILES -ORIGIN OF FIBERS -EVOLUTION OF TEXTILES

2: TEXTILE RAW MATERIALS AND THEIR PROPERTIES (3 HRS.)

-CLASSIFICATION OF FIBERS ACCORDING TO THEIR ORIGIN: -NATURAL FIBERS ARTIFICIAL FIBERS.

-SYNTHETIC FIBERS.

PRACTICAL: IDENTIFICATION BY PYROGNOSTIC TESTS OF TEXTILE RAW MATERIALS PRESENT IN YARNS AND FABRICS.

3: YARNS AND SPINNING (2 HRS.)

-SPINNING PROCESSES.

- YARN PRODUCTION.

-TWISTING AND RETWISTING

.-NUMBERING OR TITRATION OF YARNS.

PRACTICAL: IDENTIFICATION BY PYROGNOSTIC TESTS OF TEXTILE RAW MATERIALS PRESENT IN YARNS AND FABRICS.

4-THE FABRICS- GROUPS- (3 HRS.)

-WOVEN FABRICS. -WOVEN FABRICS.

-KNITTED FABRICS . NON-WOVEN FABRICS .

-LAMINATED FABRICS .-CONGLOMERATES .

PRACTICE: IDENTIFICATION AND ANALYSIS OF DIFFERENT TYPES OF FABRICS BY MEANS OF SAMPLES PROVIDED BY THE TEACHER.

5: WEAVES FABRICS (3 HRS.)

-FABRICS OF OPENWORK OR FLAT.

-HOW TO OBTAIN FLAT WEAVES.

WEAVING AND LOOM -TAFFETA-SARGA-RASO -WEAVING ON A HANDLOOM

-WEAVING IN A MANUAL LOOM DIFFERENT BASIC WEAVES. -CREATION AND WEAVING OF LIGAMENTS BY THE STUDENT.

6: KNITTED FABRICS (3,5 HRS.)

- WEFT KNITTED FABRICS.

-KNITTED FABRICS BY WARP.

-PARTICULARITIES AND CHARACTERISTICS

-KNITTED FABRICS.

-DIFFERENT WAYS OF CREATING KNITTED MODELS: CUT, DECREASE, INTEGRAL.

PRACTICE: IDENTIFICATION AND LEARNING OF THE DIFFERENT KNITTED STRUCTURES BY VISUALIZATION AND ANALYSIS OF KNITTED SAMPLES.

7: OPERATIONS OF ENNOBLEMENT OF THE FABRICS (9 HRS.)

-GENERALITIES. -MORPHOLOGY OF TEXTILE FIBERS IN RELATION TO THEIR DYEING . -MORPHOLOGY OF THE TEXTILE FIBERS IN RELATION TO THE LATER PROCESSES OF FINISHING AND FINISHING .

-DIFFERENT PRINTING TECHNIQUES. -PREPARATION AND ADEQUACY OF MATERIALS AND SURFACES. -

DIFFERENT SURFACE TREATMENT TECHNIQUES. -SELECTION OF PRINTING TECHNIQUE ACCORDING TO: COMPOSITION, MOTIF, RAPPORT, COLORING, VISUAL EFFECT.

PRACTICAL: REALIZATION OF SILK-SCREEN PRINTING WORKSHOP, REPRODUCING AND SILK SCREENING ON VARIOUS TEXTILE SUPPORTS THE DESIGNS PREVIOUSLY MADE BY THE STUDENTS.

8: COMPOSITION AND CONSERVATION LABELING (1.5 HRS.)

-INTERNATIONAL SYMBOLS -ORDER OF APPLICATION -INTERPRETATION AND ELABORATION OF LABELS

-INTERNATIONAL REGULATIONS -INTERNATIONAL STANDARDS -INTERNATIONAL REGULATIONS.

PRACTICE: ELABORATION OF LABELS ACCORDING TO THE COMPOSITION OF THE FABRICS USED IN THE GARMENTS.

-CREATE A FOLDER WITH THE LIGAMENTS CREATED WITH TECHNICAL SPECIFICATIONS.

PRACTICE: IDENTIFICATION AND LEARNING OF THE NAMES OF THE DIFFERENT KNITTED FABRICS BY VISUALIZATION OF SAMPLES. VERY IMPORTANT, TEXTILE WORK BOOK, END OF COURSE.

9: FINISHING (3 HRS.)

-ANALYSIS OF FINISHING SAMPLES.

-CLASSIFICATION OF DYESTUFFS. PRACTICAL: ANALYSIS AND DESCRIPTION OF THE DIFFERENT METHODS OF SIZING AND FINISHING PRESENT IN FABRICS OF COMMON USE PROVIDED BY THE TEACHER.

10: INTERPRETATION OF FABRIC TRENDS (1.5 HRS.)

- ADAPTATION OF TRENDS IN THE CREATION OF A COLLECTION.

- ANALYSIS OF TEXTURES. - FINISHES AND WEIGHTS OF FABRICS.

- ANALYSIS OF FABRICS THROUGH THE STUDY OF VIDEOS, PHOTOGRAPHS, PRESS REPORTS OF

DESIGNERS.

PRACTICE: ANALYSIS AND STUDY OF TRENDS IN WEB PAGES SPECIALIZED IN FASHION.

11: NANOTECHNOLOGY (3 HRS.)

-TECHNICAL APPLICATIONS TO TEXTILES. -SMART TEXTILES.

- TECHNOLOGICAL TEXTILE APPLICATIONS IN FASHION. -INTELLIGENT DESIGN. -SUSTAINABLE TEXTILE DESIGN THROUGH NANOTECHNOLOGICAL MEANS. PRACTICE: DESIGN OF E-WEAREBLE GARMENT, OR SMART TEXTILE AND CORRESPONDING TECHNICAL DATA SHEET.

12: SUSTAINABILITY AND ECOLOGY IN TEXTILES (1.5 HRS.)

-CURRENT ECOLOGICAL POLICY IN THE TEXTILE SECTOR -LIFE CYCLE OF A TEXTILE -SUSTAINABILITY IN TEXTILE PRODUCTION.

-SUSTAINABILITY IN TEXTILE PRODUCTION.

-SUSTAINABLE ALTERNATIVES TO CURRENT TEXTILE PRODUCTION.

-SOCIAL AND ENVIRONMENTAL RESPECT. -SUSTAINABLE AND RESPONSIBLE DESIGN IN FASHION;

-INTERNATIONAL REGULATIONS.

PRACTICE: STUDY AND ANALYSIS OF DESIGNERS AND COMMERCIAL BRANDS THAT INCORPORATE PRINCIPLES OF SUSTAINABILITY IN THEIR PROPOSALS

EDUCATION ACTIVITIES

THEORETICAL CLASSES. Exposition of the topics. Explain the planning of the course: program, notes and bibliography. Review at the beginning of class. Resolution of doubts, topics and readings. Evaluation tests. PRACTICAL CLASSES. Exercise resolution. Discussions of the topics and especially on exercises and readings. Presentations. Evaluation tests.

SELF-STUDY. Readings: preparation and search of complementary information. Personal study. Preparation of comments and debates. Free and voluntary tutorials.

TUTORIALS: APPROACH AND RESOLUTION OF DOUBTS ABOUT THEORETICAL AND PRACTICAL CONTENTS. Class preparation through reading of topics. Planning of debates and comments through the preparation of readings. Exercise resolution. Comments and resolution of doubts in person or by e-mail.

DISTRIBUTION OF WORK TIME

CLASSROOM-BASED ACTIVITY	INDEPENDENT STUDY/OUT-OF-CLASSROOM ACTIVITY
60 hours	90 hours
<ul style="list-style-type: none">• PRACTICAL CLASSES/WORKSHOP 20hTUTORIALS AND RESOLUTION OF QUESTIONS ON PERSONAL LEVEL 5hEXPOSITORY CLASSES 35H 60h 60h	<ul style="list-style-type: none">• PRACTICAL WORK 45hSTUDY OF THEORETICAL MATERIALS 45h 90h

SKILLS

Design and making mock-ups and models.

Acquire basic knowledge of product development processes. To master exhibition and exemplification techniques. To pose and solve design problems.

Master basic design and its principles.

Acquire a critical understanding of the evolution of aesthetic, historical, material, economic and conceptual values.

Develop the ability to work autonomously. To develop the ability to collaborate with other design disciplines. To develop the student's creative capacity from a solid theoretical-practical base that allows him/her to pose, solve and present design problems in a unique and original way.

To train designers capable of developing in the experimental field, using the basic tools of aesthetics, such as drawing and color treatment, along with the latest technological tools, applied to the field of graphic design, audiovisual design, space design and other techniques in this field.

To instill in the student the ability to work in a team, starting from the autonomous research at the service of a global project, which allows him/her to define responsibilities and collaborate with other professions and trades, pursuing a common goal.

To provide the student with a broad vision of the world of Design through the knowledge of its different disciplines in order to be able to take advantage of the synergies and creative resources shared by the different professionals in this field.

To enable the student to work as an autonomous and self-sufficient professional in design projects.

To teach the student to expose, argue and defend his project both at university level and in a professional environment, in front of clients or Design professionals.

To train an intellectually curious professional, who rejects weak thinking, and who aspires to improve contemporary culture by transmitting values based on the search for truth, goodness and beauty.

To acquire the ability to find alternative design solutions and evaluate them. That students have the ability to gather and interpret relevant data (usually within their area of study) to make judgments that include reflection on relevant social, scientific or ethical issues. Students have demonstrated knowledge and understanding in an area of study that builds on the foundation of general secondary education, and is typically at a level that, while relying on advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.

That students know how to apply their knowledge to their work or vocation in a professional manner and possess the skills usually demonstrated through the development and defense of arguments and problem solving within their field of study.

Students are able to convey information, ideas, problems and solutions to both specialized and non-specialized audiences.

That students have developed those learning skills necessary to undertake further study with a high degree of autonomy

LEARNING RESULTS

The student will understand where the raw materials used for textile purposes come from.

The student will know the properties and characteristics of textile fibers.

Identify and differentiate the particularities of each fabric and take them into account for subsequent application.

Know the wide range of textiles and materials with applications in the world of fashion.

Know in a theoretical-practical way the different ways of making textiles and their characteristics, properties and applications.

Know the different procedures for obtaining textiles.

Learn to choose the materials that are most suitable for the production of a collection, relating technical knowledge to creative knowledge.

Applying the knowledge acquired in previous topics, students will experiment and manipulate fabrics for aesthetic and functional purposes.

Know how to interpret trends and creatively incorporate them into the creation of a collection with both creative and technical coherence, applying appropriate production methods

LEARNING APPRAISAL SYSTEM

LEARNING APPRAISAL SYSTEM

ORDINARY EVALUATION: - Exams / Objective tests 50%. -Research work. Practical work related to the theory 30%

- Oral expositions of research work 10%.

- Attendance and active participation of the student 10%.

EXTRAORDINARY EVALUATION: - Exams / Objective tests 50% + 30% Textil Book + Portfolios 20%

REPEAT STUDENTS: Repeat students must pass the objectives not achieved in previous exams.

MINIMUM REQUIREMENTS TO PASS THE COURSE: Students must submit each and every one of the practical assignments proposed in the course. The minimum individual grade of these works will never be lower than 4 to be able to measure each other. In the case that the grade of any of the practical work is lower than 4, this will be repeated and delivered for its subsequent qualification, either before the Ordinary or Extraordinary Convocation, as the case may be. In the case of a theoretical exam, if the teacher deems it appropriate and necessary, this must be passed with a grade never lower than 4 in order to be able to average the total of the practical work.

The behaviors of plagiarism, as well as the use of illegitimate means in the evaluation tests, will be sanctioned according to the established in the Regulation of Evaluation and the Regulation of Coexistence of the university. The evaluation system according to the purpose will be formative. The final evaluation of each block will be heteroevaluative.

Awarding of Honor Grades: The Honor Grades are a recognition of excellence. It will be awarded exclusively to those students who stand out above their peers, not only with respect to their academic results within the subject, but also with respect to their attitude and interest in the study and the subject, their commitment, teamwork throughout the course, only one will be awarded for every 20 students or fraction thereof and it is not mandatory and may be deserted.

BIBLIOGRAPHY AND OTHER RESOURCES

Basic

Gilles Lipovetsky. El imperio de lo efímero: la moda y su destino en las sociedades modernas / 8ª ed. Barcelona :Anagrama,2002.

Gilles Lipovetsky ; traducción de Felipe Hernández y Carmen López. El imperio de lo efímero: la moda y su destino en las sociedades modernas / 8ª ed. Barcelona :Anagrama,2014.

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Geografía de la moda española., Madrid :ACME,2009.

Lauren Weisberger. El diablo viste a la moda / México D.F. :Ramdon House Mondadori,2006.

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Creació Plàstica a l'alta costura i el disseny de l'acadèmic electe II.LM. SR. Pierre Cardin= Creation plastique dans la haute couture et le design de l'acadmicien elu ILLME. M. Pierre Cardin = Creación plástica en la alta costura y el diseño del académico electo ILMO. SR. Pierre Cardin., Barcelona :Reial Acadèmia de Belles Arts Sant Jordi,1991.

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Salvador Maquiler Trepas. La industria textil-confección europea en el umbral del siglo XXI /

Additional

David Shaw, Dimitri Koumbis. La compra profesional de moda :de la predicción de tendencias al punto de venta / Barcelona :Editorial Gustavo Gili,[2014]

Lola Gavarrón. La mística de la moda / Valencia :Engloba,2003.

Román Padín Otero. Historias de las tendencias de moda / Madrid :Dextra Editorial,2023.

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