



Course Specifications

| | |
|----------------------|---|
| Course Title: | Textile production |
| Course Code: | 225 AAD-3 |
| Program: | Bachelor in Applied arts |
| Department: | Applied arts |
| College: | Faculty of Architecture and Design |
| Institution: | Jazan University |

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A. Course Identification

| | |
|---|---|
| 1. Credit hours: | 3 |
| 2. Course type | |
| a. | University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/> |
| b. | Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/> |
| 3. Level/year at which this course is offered: | Level 4 / Second year. |
| 4. Pre-requisites for this course (if any): | Textile Design Studio I (221 AAD- 4) |
| 5. Co-requisites for this course (if any): | None |

6. Mode of Instruction (mark all that apply)

| No | Mode of Instruction | Contact Hours | Percentage |
|----|-----------------------|---------------|------------|
| 1 | Traditional classroom | 4 | 100 % |
| 2 | Blended | × | 0% |
| 3 | E-learning | × | 0% |
| 4 | Correspondence | × | 0% |
| 5 | Other | × | 0% |

7. Actual Learning Hours (based on academic semester)

| No | Activity | Learning Hours |
|------------------------------|--|----------------|
| Contact Hours | | |
| 1 | Lecture | 2×15=30 |
| 2 | Laboratory/Studio | 2×15=30 |
| 3 | Tutorial | 0 |
| 4 | Others (specify) Assessment Continuous assessment (1hour) 1 Final Examination (Practical and theoretical - 4 hours) | 5 |
| | Total | 66 |
| Other Learning Hours* | | |
| 1 | Study Theoretical study (1 hour) Practical (1/2 hour) | 45 |
| 2 | Assignments 2 Mid Term Examination (2 hour) 1 Final Examination (Practical and theoretical – 4hours) | 6 |
| 3 | Library | 1.5 |
| 4 | Projects/Research Essays/Theses | 6 |
| 5 | Others (specify) | 0 |
| | Total | 58.5 |

* The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

B. Course Objectives and Learning Outcomes

| |
|---|
| <p>1. Course Description This course cares about the development of innovative capacity, technical, scientific and technical skills of the student so that they are able to identify the technological industrial processes which are made fiber textile cloth Ali equipped and purpose of each process to achieve the required quality.</p> |
| <p>2. Course Main Objective Development the ability of the student on the visual perception in designing stage, development the creative skills of the students in choosing the suitable colors to implement the different textile compositions, training the student on observation and analysis, direct expression through drawing the different textile compositions and training the students to use the sense of sight to be able to perception and description of the Different types of textile compositions.</p> |

3. Course Learning Outcomes

| CLOs | | Aligned PLOs |
|------|---|--------------|
| 1 | Knowledge: | |
| 1.1 | Demonstrate knowledge of the theoretical and practical knowledge of the methods and rules of drawing the different textile structures and the knowledge of the types of threads and fabrics, and the equipment and stages necessary for the production of fabric. | K1 |
| 1.2 | Defined the differences between manual and mechanical tools and looms required for textile production. | K2 |
| 2 | Skills : | |
| 2.1 | Apply creative skills of the both individually and collectively by designing and producing different textile structures. | S3 |
| 2.2 | Interpret the problems and differences between the design of woven and nonwoven fabrics and the relationship between technological production standards. | S2 |
| 3 | Competence: | |
| 3.1 | Analysis of structure samples to determine the type of fabric, the name of the textile composition, and the specifications of the cloth. | C1 |
| 3.2 | Apply the textile structure designs and special prototypes of course syllabuses with clear concepts and methodology. | C5 |

C. Course Content

| No | List of Topics (theoretical) | Contact Hours |
|----|---|---------------|
| 1 | - General Introduction to scheduled and acquainted with the tools and materials required for the practical side. - Give the students on the course the content distribution and discussion it with the students. | 2 |
| 2 | - blend fiber (blends of polyester with cotton & wool fibers). - steps of cotton yarn. | 2 |
| 3 | - stages of spinning wool and synthetic fibers. | 2 |
| 4 | - formation of the thread: twirl strands. - Method of how to calculation the number of Yarns (First: Direct system) | 2 |
| 5 | - Method of how to calculation the number of Yarns (second: In Direct system) | 2 |

| | | |
|--------------|---|-----------|
| | - The method of conversion from one system to another system to calculate the count of different Yarns . | |
| 6 | - types of yarn. | 2 |
| 7 | - types of looms . - the simple loom parts. | 2 |
| 8 | -Midterm (1) | 2 |
| 9 | -The preparations of Weaving. -Steps of the weaving process. | 2 |
| 10 | -Classification of Fabrics (woven fabrics - Knitted Fabrics - Nonwoven Fabric). -basic structures of Textile: Weaving of basic Fabrics. -twill : the fabric diversity in the textile twill - advantages and disadvantages of the twill fabric . | 2 |
| 11 | -continued structures of textile basic: Sateen fabric , the advantages and disadvantages of the Sateen fabric. -the pile fabric and types - advantages and disadvantages of the pile fabric. | 2 |
| 12 | -Midterm (2) | 2 |
| 13 | -textiles Analysis: How to identify the textile (in theory). -How to recognize the face of different fabrics (in theory) | 2 |
| 14 | -quality control specifications and properties of filaments and yarns and fabrics. | 2 |
| 15 | -Revision | 2 |
| Total | | 30 |

C. Course Content

| No | List of Topics (Practical) | Contact Hours |
|----|--|---------------|
| 1 | <ul style="list-style-type: none"> General introduction to the vocabulary the course process and identify the most important tools and materials required for the practical side. | 2 |
| 2 | <ul style="list-style-type: none"> The celebration of new students (Guiding week). Identify parts of the simple loom. Identify how to set up and equip the loom (theoretically) and the Steps of fabric work . | 2 |
| 3 | <ul style="list-style-type: none"> First: the method of design and implementation of basic textile and its extensions. Choose the project and its implementation using basic textile structures. | 2 |
| 4 | <ul style="list-style-type: none"> Second: the method of design and implementation of twill textile (simple hand loom) Continued implementation project of basic textile . | 2 |
| 5 | <ul style="list-style-type: none"> Evaluation the two Projects. Choose the project and its implementation using Twill textile structures. | 2 |
| 6 | <ul style="list-style-type: none"> Third : How to implement the textile pile and its types (untrimmed Terry - open Terry). Choose the project and its implementation using Pile textile structures. Continued implementation project of Twill textile . | 2 |
| 7 | <ul style="list-style-type: none"> Evaluation the Projects of Twill textile structures . Continued implementation project of Pile textile . | 2 |
| 8 | <ul style="list-style-type: none"> Evaluation the Projects of Pile textile structures . The final Evaluation for the Sketch of textile structures | 2 |
| 9 | <ul style="list-style-type: none"> Forth : How to draw and implementation for Sateen fabric . Choose the project and its implementation using Sateen textile structures. | 2 |
| 10 | <ul style="list-style-type: none"> Continued implementation project of Sateen textile . Choose the final project. | 2 |

| | | |
|--------------|---|----|
| 11 | <ul style="list-style-type: none"> Evaluation the final Project. | 2 |
| 12 | <ul style="list-style-type: none"> textiles Analysis: How to identify the textile (practically). How to recognize the face of different fabrics (practically) | 2 |
| 13 | <ul style="list-style-type: none"> Design a poster includes the projects of the course. | 2 |
| 14 | <ul style="list-style-type: none"> Revision | 2 |
| 15 | <ul style="list-style-type: none"> Final evaluation for all the Projects . | 2 |
| Total | | 30 |

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

| Code | Course Learning Outcomes | Teaching Strategies | Assessment Methods |
|------|---|---|--|
| 1.0 | Knowledge | | |
| 1.1 | Demonstrate knowledge of the theoretical and practical knowledge of the methods and rules of drawing the different textile structures and the knowledge of the types of threads and fabrics, and the equipment and stages necessary for the production of fabric. | <ul style="list-style-type: none"> Lectures. Discussion Brainstorming Open debate. workshops Study groups | <ul style="list-style-type: none"> Direct method (objective test) By Test Specification |
| 1.2 | Defined the differences between manual and mechanical tools and looms required for textile production. | | |
| 2.0 | Skills | | |
| 2.1 | Apply creative skills both individually and collectively by designing and producing different textile structures. | <ul style="list-style-type: none"> Brainstorming Self-education practical | <ul style="list-style-type: none"> Projects assessment Portfolio assessment Direct method (objective test) By Test Specification |
| 2.2 | Interpretation of problems and differences between the design of woven and nonwoven fabrics and the relationship between technological production standards. | | |
| 3.0 | Competence | | |
| 3.1 | Analysis of structure samples to determine the type of fabric, the name of the textile composition, and the specifications of the cloth. | <ul style="list-style-type: none"> presentation Open debate. Cooperative education | <ul style="list-style-type: none"> Projects assessment Portfolio assessment |
| 3.2 | Apply the textile structure designs and special prototypes of course syllabuses with clear concepts and methodology. | | |

2. Assessment Tasks for Students

| # | Assessment task* | Week Due | Percentage of Total Assessment Score |
|-------|--------------------------------|---------------------|--------------------------------------|
| 1 | Attendance and participation | Every week | 5% |
| 2 | Test midterm 1 | 7 | 10% |
| 3 | Test midterm 2 | 13 | 10% |
| 4 | projects | 15 | 35% |
| 5 | Final exam (theory+ practical) | End of the semester | 40% |
| Total | | | 100% |

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :

That during office hours be allocated to each member of staff by 10 office hours per week, to ensure the availability of faculty to provide academic advice and guidance to students that need it.

F. Learning Resources and Facilities

1. Learning Resources

| | |
|---------------------------------------|---|
| Required Textbooks | <ul style="list-style-type: none"> - Read J., " Elementary Textile and Fabric Structure " ,The Textile Institute , Manchester , England (1950) . - D. Btara , " Grammar of Textile Design " Porevala Sons Bombay , (1978) |
| Essential References Materials | <ul style="list-style-type: none"> - Mustafa Zahir : "advanced textile structures " , Dar Arab Thought, Cairo, 1997 . - Abdul R afee Kamel : " Introduction to textile Technology Altabstre " , House of Knowledge , Cairo , 1992 . |
| Electronic Materials | <ul style="list-style-type: none"> - Abdel-Fattah , Shaaban : " handmade fabric " , Amman , 2004 . - Designs from John Landes Drawings:" Hand-Weaving" , Southern California Guild, 1977, Published without a copyright notice. Posted June 9, 2004 . - http://www.cs.arizona.edu/patterns/weaving/books.html - http://www.arabytex.com |
| Other Learning Materials | Computer: based programs. |

2. Facilities Required

| Item | Resources |
|--|---|
| Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.) | <ul style="list-style-type: none"> - <u>For practical</u> : Classrooms containing 18 tables for Drawing& 18 chairs. - <u>For theoretical</u> : Classrooms containing 36 chairs. |
| Technology Resources (AV, data show, Smart Board, software, etc.) | <ul style="list-style-type: none"> - 1projector. - 1laptop. |
| Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list) | <ul style="list-style-type: none"> - Note required |

G. Course Quality Evaluation

| Evaluation Areas/Issues | Evaluators | Evaluation Methods |
|--|------------|--|
| Effectiveness of teaching and assessment | Students | - On line system course evaluation (Indirect Methods) - Objective test by Test specification table (Direct Methods) |
| Quality of learning resources | Students | - On line system course evaluation (Indirect Methods) - Objective test by Test specification table (Direct Methods) |
| Course learning outcomes | Students | - Course learning outcomes survey. (Indirect) - Objective test by Test specification table (Direct Methods) |

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

H. Specification Approval Data

| | |
|---------------------|--|
| Council / Committee | |
| Reference No. | |
| Date | |