

COURSE PLAN

FIRST: BASIC INFORMATION

College

College : Faculty of IRBED - Balqa Applied University
 Department : Department Of Applied Science

Course

Course Title : Fabric Knitting, I
 Course Code : 020916164
 Credit Hours : 2 (0 Theoretical, 2 Practical)
 Prerequisite :

Instructor

Name : Ibtesam Alomari + Khawla Alawneh+ Seham Alibrahim

Office No. :

Tel (Ext) :

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 + ibtesam.alomari@bau.edu.jo + seham.alibrahim@bau.edu.jo

Office Hours :

Class Times

Text Book

Title : Fabric Knitting, Irbid University College and KOICA, 2022

References

- A Complete Guide to Machine Knitting/ by Lucia Tarantino
- Knitwear Design Workshop/ by Shirley Paden
- Michael Pearson's Traditional Knitting / by Michael Pearson

SECOND: PROFESSIONAL INFORMATION

COURSE DESCRIPTION

This course covers the tissue of knit fabric and hand knitting and machine knitting techniques through practice. It also provides weaving principles, which are often used in knit practice, to learn the process of making knit products.

COURSE OBJECTIVES

After studying this course, the student is expected to be able to achieve the following objectives:

- **Explain** the structure of the knitting machine and learn how to use it
- Learn hand-knitting and machine-knitting methods to develop the ability to produce knit products
- Make a variety of knit products by crochet and bamboo needles
- Learn the basic process of making creative fabrics using knitting machines.



COURSE LEARNING OUTCOMES

On successful completion of this course, students are expected to be able to:

- CLO1. Explain each application of tools and devices for knit product production
- CLO2. Calculate the gauge knowing the manufacturing principle of knit fabric
- CLO3. Knit fabrics and patterns using crochet needles among hand-knitting tools,
- CLO4. Knit fabrics and patterns using bamboo needles among hand knitting tools
- CLO5. Utilize knitting machine and walk the thread in order to operate
- CLO6. Develop knitting fabrics and patterns using knitting machines
- CLO7. Develop creative knit props or by applying knit production techniques

COURSE SYLLABUS

Week	Topic	Topic details	Related LO and Reference (Chapter)	Proposed assignments
1	Introduction to weaving and knitting	<ul style="list-style-type: none"> • knit industry and history • Definition Fabric Knitting • Types, properties and uses of knit 	CLO1	
2	Principle of forming knitted Fabric	<ul style="list-style-type: none"> • Learn about the knitting fabric production machine • Gauge calculation 	CLO2	
3	Hand knitting practice 1.Crochet knitting	<ul style="list-style-type: none"> • Crochet Knitting basics <ul style="list-style-type: none"> a) How to hold a needle and thread b) Chain stitch c) Short stitch d) Minus stitch e) Long stitch 	CLO3	
4	1.Crochet knitting	<ul style="list-style-type: none"> • Crochet Knitting application technique <ul style="list-style-type: none"> a) Loop stitch b) Pineapple stitch c) Pine needle stitch d) Shell stitch e) Cord stitch • Connecting with the motif of knitting 	CLO3	
5	2.Bamboo needle Knitting	<ul style="list-style-type: none"> • Bamboo needle Knitting basic <ul style="list-style-type: none"> a) Bamboo needle knitting code b) Making crochet c) Outside stitch d) Inside stitch e) Rubber Stitch f) Pearl stitch 	CLO4	
6	2.Bamboo needle knitting	<ul style="list-style-type: none"> • Big bamboo needle Knitting application technique <ul style="list-style-type: none"> a) Pulling up the crochet b) Stretch and shorten the crochet LO1 c) Pattern 	CLO4	

Week	Topic	Topic details	Related LO and Reference (Chapter)	Proposed assignments
7	Hand Knitting Work creation	• Work creation knitting with bamboo needle and crochet needle technique	CLO7	
8	Mid exam			
9	Understanding Knitting Machines	<ul style="list-style-type: none"> • Structure and principles of knit machine <ol style="list-style-type: none"> a) Body b) Carriage c) Accessories • Principles and functions of needles • Calculate gauge and yarn usage 	CLO1 CLO5	
10	Using a knitting machines	<ul style="list-style-type: none"> • Installing a knitting machine • Hanging a thread • Making a crochet 	CLO5	
11	Knitting machine practice	<ul style="list-style-type: none"> • Basic tissue knitting1 <ol style="list-style-type: none"> a) Knitting the outside b) Knitting the inside c) Knitting the rubber 	CLO6	
12	Knitting machine practice	<ul style="list-style-type: none"> • Basic tissue knitting2 <ol style="list-style-type: none"> a) Knitting the pattern b) Stretching c) Reduce 	CLO6	
13	Knitting machine practice	<ul style="list-style-type: none"> • Basic tissue knitting3 <ol style="list-style-type: none"> a) Cable b) Ripple structure 	CLO6	
14	Knitting machine practice	<ul style="list-style-type: none"> • Basic tissue knitting4 <ol style="list-style-type: none"> a) Basic hem b) Picot hem 	CLO6	
15	Work Creation	• Manufacture individual creative knitting props or products using knitting machines	CLO7	
16	Final exam			

COURSE LEARNING RESOURCES

Methods/methods used in teaching the course such as lectures, discussion sessions and collection Information from different sources, practical activity, research assignments, field visits and case studies Lectures Discussion sessions Collecting information from different sources Field visits.

ONLINE RESOURCES

<https://crazylittleprojects.com/sewing-for-beginners-learn-to-sew/>
<https://www.youtube.com/channel/UC7vGqVcGPxyzPMSjrcrq0rg>

**ASSESSMENT TOOLS**

Assessment Tools	%
Projects and Quizzes	30%
MID Exam	20%
Final Exam	50%
Total Marks	100%

THIRD: COURSE RULES**ATTENDANCE RULES**

Attendance and participation are extremely important, and the usual University rules will apply. Attendance will be recorded for each class. Absence of 10% will result in a first written warning. Absence of 15% of the course will result in a second warning. Absence of 20% or more will result in forfeiting the course and the student will not be permitted to attend the final examination. Should a student encounter any special circumstances (i.e. medical or personal), he/she is encouraged to discuss this with the instructor and written proof will be required to delete any absences from his/her attendance records.

GRADING SYSTEM

Example:

REMARKS

Course Marks Average		
Average	Maximum	Minimum
Excellent	100%	90%
Very Good	89%	80%
Good	79%	70%
Satisfactory	69%	60%
Weak	59%	50%
Failed	49%	35%

REMARKS

{The instructor can add any comments and directives such as the attendance policy and topics related to ethics }

COURSE COORDINATOR

Course Coordinator
Signature:
Date:

Department Head:
Signature:
Date: