Course Syllabus

1. **Course Name: Practice of CAD Technology in Garment Industry   Course Code:** PCAP313251
2. **Credit Units:** 1 (0/1/2) (0 units of theory/ 1 unit of practice/ 2 units of self-study)
   Duration: 5 weeks (0 hours of theory + 9 hours of practice, and 18 hours of self-study per week)
3. **Course Instructors**
   1/ MSc. Nguyen Thanh Hau
   2/ MSc. Le Quang Lam Thuy
   3/ MSc. Mai Quynh Trang
   4/ Dr. Nguyen Tuan Anh
4. **Course Requirements**
   Prerequisite courses: Preparation of Garment Manufacturing
   Previous courses: CAD/CAM in Garment Industry
   Parallel courses: None
5. **Course Description**
   The module teaches students how to perform operations when using the functions with AccuMark software. At the same time, the module also helps students to identify and select the appropriate functions of the software to design and marker making for a specific product, to meet the needs of real production deployment
6. **Course Goals**

Goals	Goal Description	ELOs	Scale
G1	Concepts of CAD technology application to support design pattern and marker making	ELO-03	4
G2	Analysing and evaluating the applicability of CAD software functions in the process of pattern design and marker making	ELO-06	4
		ELO-08	4
G3	Teamwork, communication skills and reading comprehension of instructional manuals using CAD software in English.	ELO-11	3
G4	Functions in CAD software to provide appropriate design process for each specific style	ELO-15	6
		ELO-16	4

7. **Course Learning Outcomes (CLOs)**

CLOs		CLO Description	ELOs	
G1	CLO1	Select suitable applications to set up data when applying Accumark software into the preparation process for product	ELO-03	4
G2	CLO2	Analyze and test different functions in Pattern Design software to design details of products and create a professional and responsible working style; proactively updating knowledge in the field of careers; demonstrating progressive spirit and confidence in solving problems.	ELO-06	4
			ELO-08	4
G3	CLO3	Apply English skills in CAD technology application.	ELO-11	3
G4	CLO4	Develop the functions in Accumark software system to select the appropriate processes when designing pattern and marker and adjust the extended settings of each specific functions in Accumark system to optimize the process of deploying the pattern design and marker making for different product styles.	ELO-15	6
			ELO-16	4

8. **Learning Ethics**
   Students must do homework by themselves. If plagiarism is found students will get zero point.
9. **Course Content**

Week	Content	CLOs	Scale
1	*Exercise 1:* **Set up the basic data supports pattern design and marker making process** *(0,9,18)*		
	A/ Content and pedagogical methods in class: *(9)* **Content:** 1. Set up the Storage Area 2. Set up the P-Notch 3. Set up the P-User Enviroment 4. Set up the Rule table **Pedagogical methods**: + Presentation of lecture + Discussion + Làm mẫu	CLO1 CLO2	4 4
	B/ Self-study content: *(18)* Research methods to design shirts and trousers.	CLO1	4
2-3	*Exercise 2:* **Design of semi- finished pattern for shirt** *(18,0,36)*		
	A/ Content and pedagogical methods in class: *(18)* **Content:** Setting the Preference Option 1. Design.the basic frame 2. Design the base line 3. Design the mark point 4. Trace the semi-finished pattern 5. Modify the semi - finished pattern **Pedagogical methods**: + Presentation of lecture + Discussion + Làm mẫu	CLO1 CLO2 CLO3	4 4 3
	B/ Self-study content: *(36)* Practice the menu Point, Line, and Piece.	CLO1 CLO2	4 4
4	*Exercise 3:* **Design of finished pattern for shirt** *(9,0,18)*		
	A/ Content and pedagogical methods in class: *(9)* **Content:** 1. Design intermediate sizes 2. Add/Define seam 3. Add/define notch 4. Add/define drill **Pedagogical methods**: + Presentation of lecture + Discussion + Sampling	CLO1 CLO2 CLO3	4 4 3
	B/ Self-study content: *(18)* + Practice the menu Measure, Grade, Notch	CLO1 CLO3	4 4
5	*Exercise 4:* **Marker Making** *(9,0,18)*		
	A/ Content and pedagogical methods in class: *(9)* **Content:** Digitize samples 1. Set up the Model Editors 2. Set up the Lay limit Editors 3. Set up the Annotation Editors 4. Set up the Order Editors 5. Process Oder	CLO1 CLO4	4 4

	6. Finel exam				
	Pedagogical methods: + Presentation of lecture + Discussion + Sampling				
	B/ Self-study content: *(6)* + Practice the marker making for trousers, short			CLO1 CLO4	4 4

10. Learning Resources

 - Textbooks:
1. Nguyen Thanh Hau. Textbook of Cad in Apparel. HCMC National University Press, 2017.
    - References:
1. Gerber Garment Technology – Data Management – USA, 2003;
2. Gerber Garment Technology – Pattern Design – USA, 2003;
3. Gerber Garment Technology – Marker Making – USA, 2003.

11. Student Assessment

 - Grading scale: **10**

 - Assessment plan:

Type	Content	Timeline	Assessment method	CLOs	Rate (%)
Formative Assigments					**50**
Ex#1	Set up the basic data supports pattern design and marker making process	Week 1	Exercise	CLO3	10
Ex#2	Design semi- finished pattern for shirt	Week 3	Exercise	CLO3 CLO4	25
Ex#3	Design finished pattern for shirt	Week 4	Exercise	CLO4	10
Ex#4	Marker making for shirt	Week 5	Exercise	CLO4	5
Summative Assigments					**50**
	Complete design of 1 piece according to technical documents		Exercise	CLO1 CLO2 CLO3 CLO4	50
Total					**100**

12. Date of first approval: August 1st, 2012

13. Approved by

Dean	Head of Department	Compiler
Vu Minh Hanh, M.Ed	**Nguyen Ngoc Chau, PhD**	**Nguyen Thanh Hau, M.Ed**

14. Date and Up-to-date content

1st time: Date: August 25th, 2015 - Update content and structure of the programme adjusted in: teaching content and assessment method	Instructor: Nguyen Ngoc Chau, PhD