2009-2010 PROGRAM REVIEW
UHMC Fashion Technology

I. Assessment of Student Learning

1. Program Learning Outcomes

a. Fashion Technology Program Learning Outcomes.

- Demonstrate satisfactory proficiency in fundamentals of constructing a garment including terminology, tools and supplies; pattern identification; taking and calculating measurements; pattern alteration, layout and cutting; sewing construction and garment fitting.
- Demonstrate satisfactory understanding of design concepts and proficiency in conveying design ideas onto paper including identifying and sketching design details accurately and in proportion to the figure or object.
- Demonstrate satisfactory proficiency in principles of pattern making, including terminology, use of tools, and process of pattern development.
- Demonstrate satisfactory proficiency in terminology, principles and skill sets relevant to special topic courses.
- Demonstrate satisfactory proficiency in the safe operation of sewing machines and equipment.
- Demonstrate satisfactory understanding of textile characteristics and end use.
- Demonstrate satisfactory understanding of principles of starting a small business.

b. Program map (course alignment grid)

Map of Fashion Technology Program Learning Outcomes

Fashion Technology Program SLO's	**FT 25**	**FT 40**	**FT 111**	**FT 113**	**FT 115**	**FT 215**	**FT 216**	**FT 217**	**FT 90**
PLO1: Demonstrate satisfactory proficiency in fundamentals of constructing a garment including terminology, tools and supplies; pattern identification; taking and calculating measurements; pattern alteration, layout and cutting; sewing construction and garment fitting.	1	0	0	3	3	0	0	0	varies
PLO2: Demonstrate satisfactory understanding of design concepts and proficiency in conveying design ideas on paper including identifying and sketching design details accurately and in proportion to the figure or object.	0	0	3	0	0	1	3	2	varies
PLO3: Demonstrate satisfactory proficiency in principles of pattern making, including terminology, use of tools, and process of pattern development.	0	0	0	0	0	3	0	3	varies
PLO4: Demonstrate satisfactory proficiency in terminology, principles and skill sets relevant to special topic courses.	0	0	0	0	0	0	0	0	3
PLO 5: Demonstrate satisfactory proficiency in the safe operation of sewing machines and equipment.	3	0	0	2	2	0	0	0	0
PLO 6: Demonstrate satisfactory understanding of textile characteristics and end use.	0	3	0	0	1	0	0	1	varies
PLO7: Demonstrate satisfactory understanding of principles of starting a small business.	0	0	0	0	0	0	0	0	3

c. Assessment plan (grid showing plan for assessment focusing on different student learning outcome(s) each year, rolling up the annual assessments during the five year comprehensive review)

Assessment Time Table for Fashion Technology Program

Fashion Technology Program SLO's	**S '09**	**F '09**	**S '10**	**F '10**	**S '11**	**F '11**	**S '12**	**F '12**	**S '13**
PLO1: Demonstrate satisfactory proficiency in fundamentals of constructing a garment including terminology, tools and supplies; pattern identification; taking and calculating measurements; pattern alteration, layout and cutting; sewing construction and garment fitting.		FT 113, 115				FT 113, 115			
PLO2: Demonstrate satisfactory understanding of design concepts and proficiency in conveying design ideas on paper including identifying and sketching design details accurately and in proportion to the figure or object.			FT 216			FT 111	FT 216		
PLO3: Demonstrate satisfactory proficiency in principles of pattern making, including terminology, use of tools, and process of pattern development.					FT 215, 217				FT 215, 217
PLO4: Demonstrate satisfactory proficiency in terminology, principles and skill set relevant to special topic courses.				FT 90-Design Studio				FT 90	
PLO5: Demonstrate satisfactory proficiency in the safe operation of sewing machines and equipment.			FT 25			FT 25			
PLO6: Demonstrate satisfactory understanding of textile characteristics and end use.				FT 40				FT 40	
PLO7: Demonstrate satisfactory understanding of principles of starting a small business.								FT 90	FT 90

d. Which PLO is being assessed? How is it being assessed (which course(s) is being used to assess the PLO)?

- PLO1 was assessed in Fall 2009 semester. The basic clothing construction courses, FT 113/115 (packaged courses) were used because they are the foundation clothing construction courses for all the other technical classes in the program.
- PLO2 was assessed in Spring 2010 semester. The design and sketching course, FT 216 was used because of the focus on fashion design and technical sketching.
- PLO5 was assessed in Spring 2010 semester. The ready-to-wear production course, FT 25 was used because it focuses on industrial equipment and attachment usage.

1. Evidence

a. Describe the assessment tools or methods used to analyze the outcome.

FT 113/115 - Final assessment in these courses--

- Completion of 6 garments following the correct procedures of taking body measurements, measuring commercial patterns, calculating how much to alter patterns for the individual figure, altering the paper pattern, and cutting out paper patterns and fabric; selecting garment details not included in the sample notebook; selecting appropriate garment construction techniques. Must include record keeping including

fabric and notions used; and time spent on project and a written evaluation of various stages of the construction process and final outcome.

FT 216 - Final assessment in the course--

- Final project including theme board, fashion sketches, technical flat drawings and oral presentation

FT 25 - Final assessment in the course--

- Projects using a rotary cutting machine in laying and cutting fabric; and safe operation of a variety of industrial sewing machines specific to each mass production sewing techniques. In the sewing process, student must be able to problem solve situations involving malfunction of equipment and stitching processes.

b. Describe summative evidence (attach rubric)

Program Assessment Rubric for FT 113 and FT 115				
PLO 1: Demonstrate satisfactory proficiency in fundamentals of constructing a garment including terminology, tools and supplies; pattern identification; taking and calculating measurements; pattern alteration, layout and cutting; sewing construction and garment fitting.	**Exceeds**	**Meets**	**Needs Improvement**	**No Proficiency**
	6	**4**	**1**	**2**

Program Assessment Rubric for FT 216				
PLO 2: Demonstrate satisfactory understanding of design concepts and proficiency in conveying design ideas on paper including identifying and sketching design details accurately and in proportion to the figure or object.	**Exceeds**	**Meets**	**Needs Improvement**	**No Proficiency**
	3	**4**	**1**	**2**

Program Assessment Rubric for FT 25				
PLO 5: Demonstrate satisfactory proficiency in the safe operation of sewing machines and equipment.	**Exceeds**	**Meets**	**Needs Improvement**	**No Proficiency**
	2	**6**	**1**	**1**

2. Results of student learning

a. Discuss result of assessment evidence.

- Assessment evidence indicates that students are often more interested in the design of projects, rather than that sewing, which they believe will be outsourced to others.

b. What have you discovered about student learning?

The program attracts a variety of students comprising of degree seeking, skills upgrading and transfer students. Some semesters have highly motivated and ambitious students with serious goals and other times,

not. In any case, the rigors of the program remain the same. Each semester, students are challenged to meet technical, creative, problem solving and personal goals. Since fashion is a fast moving, constantly changing and competitive field, students who cannot keep up in their coursework, often find that this is not the career for them. They often realize this in the foundation courses. Teaching is never boring.

3. Planned changes

a. Describe planned changes (pedagogy, curriculum) to improve learning.

- Continue seeking new majors by increasing high-demand clothing construction coursework, with possible intermediate level supplement and additional time slot
- In response to numerous telephone inquiries, explore late afternoon/evening scheduling to reach different age/non-traditional demographic
- There is one course in the program that is the most academic course, related to fabric science. Students tend to have average performance in this area so a different course format will be experimented with in the next academic year. Implement hybrid course integrating [1)] online virtual classroom with [2)] course textbook and software and [3)] in-class hands on workshops.
- Encourage Couture Club activities to provide majors with incentives and opportunities to show their work (fashion shows and exhibits), interact with outsiders (community participation) and learn from each other's experiences (joint productions and contests)
- Students really enjoy participating with professionals from the fashion industry on Maui. Seek professional opportunities for students to test market their designs and styling, along with advice and guidance from industry insiders.

b. Describe how your assessment supports your current program goals and/or influence future planning.

- Students who do well in the intro FT 113 and FT 115 courses usually have success in subsequent coursework related to technically based construction course. The foundation courses in the Fashion Technology program are in demand based on waitlists and previously over enrolled sections. In addition, these courses are pre-requisites for most of the other courses. A priority in the program was to be able to offer the basic sewing classes each semester, instead of once a year. This will allow students to enter the program sooner and complete their studies without having to wait for courses. We were successful in getting additional funding for a second offering of basic clothing construction courses (a 2 course package) for the academic year. Also, a new afternoon-to-early evening time slot was tested responding to over 10 on the day waitlist. Upon registration, the time slot was not as popular as the morning because students worked in the afternoon.
- Unexpected availability of funds (Tech Fees) enabled replacement of defunct, previously donated student computer stations, two of two available to students
- Unexpected availability of equipment funds were used to replace an industrial rotary cutter (unused since 2008), four used single needle machines, and eleven sewing machine chairs.

c. Provide detailed description, including itemized costs, of additional resources required to implement change.

- As the demand for more classes increases, need to find classrooms outside of Hookipa to offer lecture only classes to free up the classroom area for more lecture/lab courses.
- Continue increasing lecturer pool with broader skills and nontraditional backgrounds.
- Specialty equipment, thirty-plus years old and not replaced earlier due to high cost and lack of funding, are failing at faster rate, and beginning to impact classes.
- Virtually all classes are over-enrolled. We need to continue the funding a student assistant for prep and tutoring required for consistency and continuity of student progression through courses toward graduation. Also, with the addition of more courses and new lecturers, the student assistant assists in course preparation and maintenance of the lab. Tutoring is available during open lab hours outside of regularly scheduled classes on an average of 12 - 16 hours per week each semester.
- Increasing enrollment of special-needs students who require additional time and assistance outside of normal class hours are draining resources. Some of these students become violent and threaten suicide.

UHMC needs to find separate funding to support hiring of student assistants/tutors to work one-on-one with this group of students.

II. Appendices

Overall Program Health: Cautionary

Majors Included: FT

Demand Indicators	Academic Year 08-09	09-10	Demand Health Call
1New & Replacement Positions (State)	128	16	
2New & Replacement Positions (County Prorated)	1	3	
3Number of Majors	41	43	
4SSH Program Majors in Program Classes	391	367	Unhealthy
5SSH Non-Majors in Program Classes	117	168	
6SSH in All Program Classes	508	535	
7FTE Enrollment in Program Classes	17	18	
8Total Number of Classes Taught	11	14	

Efficiency Indicators	Academic Year 08-09	09-10	Efficiency Health Call
9 Average Class Size	16.2	12.8	
10 Fill Rate	100%	93%	
11 FTE BOR Appointed Faculty	1	1	
12 Majors to FTE BOR Appointed Faculty	41	42.5	
13 Majors to Analytic FTE Faculty	36.9	30.2	
13a Analytic FTE Faculty	1.1	1.4	
14 Overall Program Budget Allocation	Not Yet Reported	Not Yet Reported	Healthy
14a General Funded Budget Allocation	Not Yet Reported	Not Yet Reported	
14b Special/Federal Budget Allocation	Not Yet Reported	Not Yet Reported	
15 Cost per SSH	Not Yet Reported	Not Yet Reported	
16 Number of Low-Enrolled (<10) Classes	0	2	

Effectiveness Indicators	Academic Year 08-09	09-10	Effectiveness Health Call
17 Successful Completion (Equivalent C or Higher)	63%	61%	Cautionary
18 Withdrawals (Grade = W)	7	7	
19 Persistence (Fall to Spring)	74%	72%	
20 Unduplicated Degrees/Certificates Awarded	3	6	
20a Degrees Awarded	2	5	

20b	Certificates of Achievement Awarded	1	2
20c	Academic Subject Certificates Awarded	0	0
20d	Other Certificates Awarded	3	1
21	Transfers to UH 4-yr	0	1
21a	Transfers with credential from program	0	0
21b	Transfers without credential from program	0	1

	Distance Education: Completely On-line Classes	**Academic Year 08-09**	**09-10**
22	Number of Distance Education Classes Taught	0	0
23	Enrollment Distance Education Classes	0	0
24	Fill Rate	0%	0%
25	Successful Completion (Equivalent C or Higher)	0%	0%
26	Withdrawals (Grade = W)	0	0
27	Persistence (Fall to Spring Not Limited to Distance Education)	0%	0%

	Perkins IV Core Indicators 2008-2009	**Goal**	**Actual**	**Met**
281	P1 Technical Skills Attainment	90.00	81.82	Not Met
292	P1 Completion	44.00	18.18	Not Met
303	P1 Student Retention or Transfer	55.00	64.00	Met
314	P1 Student Placement	50.00	50.00	Met
325	P1 Nontraditional Participation	N\A	N\A	N\A
335	P2 Nontraditional Completion	N\A	N\A	N\A