1. **What is the course modification?**

APDM 321 Textiles II (3) (2 Lec, 1 3-hr lab) is currently being taught as a 3-credit lecture/lab class that fulfills a DP requirement. The course modification would involve separating the lecture from the lab and giving the lab course a separate course number, APDM 321L. APDM 321L will be a 1-credit lab course and be a co-requisite course to APDM 321. Approval of the DY requirement is being requested for APDM 321L. APDM 321 will then be a 3-credit lecture course that fulfills the DP requirement.

2. **Why is this course being requested or modified?**

The global world of textiles is becoming so complex and technology driven that it is difficult to adequately cover enough material in a combined lecture/lab course. Separating APDM 321 into two courses, one lecture course and one lab course, will allow the students more time in lecture to be introduced to different textiles and more time in the laboratory to get hands on experience working with industry equipment and performing textile tests that are being used in the textile industry.

3. **How will the content be organized?**

The lecture class will be organized the same as before but with the added weekly lecture there will be more time to go into greater detail about different textile properties. The laboratory course will stress laboratory research methodology. See attached syllabus. Lecture and laboratory must be taken concurrently. APDM 320 is the prerequisite that must be taken prior to APDM 321. APDM 321 fulfills one upper-division the DP requirement. APDM 321L will fulfill the DY requirement.

4. **What other courses at UHM closely parallel the proposed course and in what way will the latter make a distinct contribution?**

APDM 320, Textiles I, is the only other course at UHM that covers the area of textile science and its applications. Textiles I, however, does not include a laboratory section. APDM 321L will allow students hands on opportunity working with industry equipment performing tests which are taking place in the textiles industry. Students will learn to identify fibers and fabrics and their physical properties and will learn to resolve consumer problems relating to textile use. This new level of knowledge is needed by students in advanced apparel construction and design, and by students in advanced apparel product merchandising courses.
5. Where or how does the proposed course fit into the current and future curriculum?

See attached charts of APDM curriculum.

6. Why is the number of credits and level justified? Explain the prerequisites and the absence thereof.

APDM 321 will include three 50-minute lectures per week for three credits. APDM 321L will include two 90-minute laboratory classes per week for one credit. APDM major status is required to enroll in both APDM 321 and APDM 321L. The Prerequisite for both the lecture and lab courses is APDM 320, Textiles I. Students will need to have a basic knowledge of the terminology and concepts within the field of apparel design and merchandising. They need to understand the process that begins with the textile fiber because fibers and fabrics influence design and production, sourcing, and merchandising of the finished product. APDM 321 and APDM 321L are co-requisites so they must be taken during the same semester. APDM 321 will fulfill one upper-division writing intensive requirement as well as the DP requirement. Approval is being requested for APDM 321L to meet the DY requirement.

7. How will the course assist students to achieve the critical skills and competencies expected of CTAHR graduates?

After finishing APDM 321 and APDM 321L, students should be able to develop analytical/problem solving skills (level # 3):

- Identify textile fibers and define a problem
- Identify problems in the consumer-driven textile/apparel/retail complex & identify possible solutions
- Evaluate possible solutions through group discussion and presentations
- Select a solution to a problem by completing a final project
- Use AATCC (American Association of Textile Chemists and Colorists) and ASTM (American Society for Testing and Materials) scientific methods of quality investigation to examine textile/apparel products

8. How will students be evaluated?

APDM 321 will be evaluated through 3 exams, 5 online quizzes, daily pop quizzes, and one oral presentation. APDM 321L will be evaluated through 20 laboratory reports, 20 laboratory preparation quizzes, a final report compiling all of the corrected lab reports with in depth discussion, and attendance.
9. **What are the minimum qualifications for teaching this course? Is a qualified instructor now available?**

The instructor must have completed university textile courses. Currently Abby Cristi and Shu-Hwa Lin have taught APDM 221: Textile Fundamentals. Shu-Hwa Lin and Andy Reilly have both taught APDM 320: Textiles I. All three of these instructors can be assigned to teach APDM 321 and APDM 321L. Abby Cristi received her Masters degree in Textile and Apparel Sciences. Shu-Hwa Lin received her Masters degree in Consumer Affairs and her Doctoral degree in Textiles and Consumer Sciences. Andy Reilly received his Masters degree in Textile and Consumer Sciences and his Doctoral degree in Clothing and Textiles. A qualified graduate student, preferably with a textile and apparel background and experience working in a laboratory setting, will help administer APDM 321L.

10. **How will the course be financed, assuming no further cutbacks?**

Instructional funds currently used to support APDM 320 and 321 will help finance APDM 321 and APDM 321L.

11. **Has the course been offered before? Is there a demand for it?**

Currently APDM 321 is being offered. APDM 321 is going to be separated into two courses, a lecture class and a lab class, to provide more in depth information and industry textile testing experience.

12. **Is the course cross-listed with another department?**

This course is not cross-listed with another department.