1. Catalog description in the style of the University Catalog, showing
   a) Course number: FCS 5045
   b) Title: Textile Simulations
   c) Meeting times and credit: 2-0-2
   d) Term to be offered: Summer
   e) Short title: Textiles Simul
   f) Course description: textile color design for garment and home simulations will be used to develop story boards used in the print advertising industry
   g) Prerequisite(s): Computer and internet proficiency or permission of the instructor
   h) Initial term of course offering: Summer 2006

2. Student Learning Objectives and Evaluation
   a) List the student learning objectives of the course. Upon completion of this course, students will be able to:
      (1) demonstrate designing a textile to scale for a garment or home (class design exercises and design projects)
      (2) demonstrate accurate use of color measurement instruments (class design exercises and projects)
      (3) develop a product or product line that meets color compliance standards (written evaluations, design exercise and projects)
      (4) design a product story board for advertising purposes (written evaluations and design projects)
   b) Indicate how students’ achievement of the stated objectives will be assessed and grades will be earned, based on activities such as projects, written evaluations, and group problem solving.
      Students will be evaluated
      Design Class Exercises  20 %
      Written evaluations     20 %
      Design Projects         50 %
      Participation           10 %
   c) N/A
   d) N/A
   e) N/A

3. Outline of the Course
   a) Specify units of time: The course will be offered in weekend format for the 30 required class hours. Course Outline is as follows;
      I. Introduction of course and textile coloration  2
      II. Color systems management                  5
          A. RGB and CMYK comparisons
          B. Color measurement
      III. Coloration of wovens and knits          5
        IV. Textile simulations                    5
            A. Textile surface design
            B. Garment simulation
            C. Wall coverings & Furniture
        V. Product line story boards for advertising 8
            A. Printed media
               1. Direct to consumer, catalogs
4. Rationale
   a) Purpose and need: This new course will meet the need that is reflected in significant integrative technologies of design elements including textile coloration, digital print industries, catalog print and web advertising. The change from mass production to no-minimum limit printing requests from the supply chain has created demand color print designers to meet consumer's desire for a greater variety in apparel, wall coverings, carpets, office interiors and furniture colored textiles. This course is part of an overall goal to provide graduate students with additional opportunities.
   b) Justification of the level of the course and of course prerequisites: This special topics course is part of an overall goal to provide students with additional avenues of employment. The course will meet our graduate students and returning teachers need to update in the digital color textile coloration technology.
   c) There is no similar existing course offered at this time in this or other universities.
   d) Impact on Program(s):
      (1) The course is an elective course for graduate students and teachers meeting teaching certificate requirements.

5. Implementation
   a) Faculty member(s) to whom the course may be assigned. Jean K. Dilworth, Professor in School of Family & Consumer Sciences.
   b) Specification of any additional costs to students, including those for supplemental packets, hardware/software, or any other additional technical or technological requirements.
      Course fees for consumables: $20.00 ink jet printer inks and paper backed fabrics required for the digital inkjet printers
   c) Text and supplementary materials to be used, including publication dates.

6. Community College Transfer
   N/A

7. Date approved by the department or school: 11/15/04

8. Date approved by the college curriculum committee: 12/15/04

9. Date approved by CAA: Not applicable       CGS: 3/1/05