

Fall 2004

TMI 6100/4100 ADVANCED TEXTILES

Instructor:

Prof. Charles Q. Yang
305 Dawson Hall
542-4912, 424-2597 (cell)
cyang@fcs.uga.edu

Office Hours:

9:00 am- 12:00 pm, M-W-F

Course Objective:

To understand the chemistry basics of textile fibers, fiber structure, fiber property, application and market.

Evaluation:

Presentation (2):	20 pts
Summary: (6):	60 pts
<u>Special assignment:</u>	<u>20 pts</u>
Total	100 pts

Presentation and Summary

1. Cotton
2. Protein fibers (wool/silk)
3. Regenerated cellulose fibers (Rayon and Local)
4. Modified cellulose fibers (Acetate and Triacetate)
5. Polyamide fibers
6. Polyester fibers
7. Acrylic and modacrylic fibers

Special Class Assignment

1. Aramide fibers
2. Polyurethane elastomer fiber
3. The flammability of textiles fibers
4. Carpet: production, market and new trend
5. Globalization of textile and garment industry
6. Medical textiles
7. American textile market after 2005 (no quartos)