

COURSE DETAIL

UNDERSTANDING APPAREL MATERIALS

Country

Korea, South

Host Institution

Yonsei University

Program(s)

Yonsei University

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Materials Science

UCEAP Course Number

40

UCEAP Course Suffix**UCEAP Official Title**

UNDERSTANDING APPAREL MATERIALS

UCEAP Transcript Title

APPAREL MATERIALS

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course examines the details of fiber structures, its properties, and the origin of major textile fibers. It covers the chemical and physical behaviors of fibers, including their optical, mechanical, and thermal properties. Students also learn terminologies, classification, and processing methods of important classes of textile materials: yarns, woven, knit, and nonwoven fabrics. This course defines terminology related to common textiles and fibers, analyzes the influence of fiber chemistry on fiber morphology and physical properties, and covers how to apply simple mathematical models, quantify, and analyze the physical properties of textile fibers.

Language(s) of Instruction

English

Host Institution Course Number

CNT2114

Host Institution Course Title

UNDERSTANDING APPAREL MATERIALS

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2022-2023

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