

Course Description

Advanced Polymeric materials
Lecture and discussion on the new trend of development of high performance polymers. Particularly, convergence of polymeric materials with nanotechnology, biotechnology and environmental technology for the development of novel polymeric materials.
Advanced Textile materials
Lecture and discussion on the new trend of development of fiber materials having high functionality and performance. Particularly, convergence of fiber materials with NT, BT, ET and IT for imparting diverse functionalities to fibers and textiles.
Functional Composites
Lecture and discussion on the technology, applications and development fiber reinforced plastics and high performance composites which are widely used in various fields.
Advanced Fashion Culture
We examines the transition process of the modern fashion and understand the type and flow of the major fashion, since the 20th century. In addition, the analysis of the works of famous designers to get an international evaluation and review. This allows the ability to raise our information gathering and analytical skills to understand the current fashion trends.
Advanced Fashion Color
In the modern textile industry, the current color leading fashion trends. The specific color coordinate skills and literacy of the colorist has been gradually increasing. In the Advanced Fashion Color examined the trends in current fashion colors and enhance their ability to predict the trend of the future fashion colors.
Seminar in Apparel Design
Modern age, the apparel industry is high value added industries and great industry. Through market research we analysis of the reality of Korea apparel design and practice of implementing our own fashion image. In particular, we discuss the relevance of the apparel items and materials, examines how the material differentiation.
Advanced Fashion Textile
Understanding the importance of textiles in the fashion industry, and identify the current trends in textiles. We examined the case study of renowned textile designer's work with a global brand, and consider the design point and representation techniques. In addition, through this, we explore the possibilities for the development of high value-added materials.
Advanced Studies in Fashion Marketing

This subject offers advanced studies of fashion marketing of undergraduate course.

Global Fashion Marketing

The students learn the whole marketing process of fashion products from manufacturing to retail from the global insight.

Advanced Textile Finishing

Recent and in-depth finishing technology for textile materials will be taught and discussed including environmentally-friendly finishing processes, the improvement of physicochemical performances, and the development of new finishing technology and textile products.

Advanced Textile Coloration

Recent and in-depth coloration technology for textile materials will be taught and discussed including environmentally-friendly coloration processes, the dyeability improvement methods, and the development of new coloration technology and functional textile products.

Advanced Color Science

Understanding and interpretation of color theories and engineering in the color-related industry such as color measurement, computer color matching (CCM), color applications in the non-textile industries as well as textiles.

Advanced Modification of Textile Functionality

Physicochemical surface modification and analysis methods will be studied in depth to improve the functionality of advanced textile materials and to develop new textile products.

Advanced Ultraviolet Curing

The machinery, formulation, and processing of on-going UV/EB curing technology and innovation trends will be discussed to implement the information into textile engineering field.

Advanced Surfactants

The structure-property relationship and synthesis of the dyes, surfactants and auxiliaries will be discussed to develop new environmentally-friendly and sustainable formulations which can be applicable to textile industry.

Advanced Materials Characterization

This course introduces various analysis principle and methodology on the structure analysis and functionality evaluation of advanced materials including fiber/polymer materials, nano-technology and information technology and bio-technology related materials.

Advanced Materials Synthesis

<p>This course deals with advanced synthesis methodology, reaction mechanism and properties on organic and inorganic materials to apply for NT, BT and IT fields.</p>
<p style="text-align: center;">Advanced Materials Properties</p>
<p>This course gives advanced knowledge on thermal, mechanical, electrical and rheological properties on organic/inorganic fibrous/composite materials to apply for NT, BT and IT areas.</p>
<p style="text-align: center;">Seminars in Materials Design Engineering I</p>
<p>This is a seminar class for graduate students aimed for materials design and engineering related theses.</p>
<p style="text-align: center;">Seminars in Materials Design Engineering II</p>
<p>This is a seminar class for graduate students aimed for materials design and engineering related theses.</p>
<p style="text-align: center;">Personal Color</p>
<p>We study the color importance of the beauty industry and development of the personal color. We study the characteristics of the body section of the Koreans and promoting the use of personal color in the fashion industry.</p>
<p style="text-align: center;">Advanced IT-Fusion Materials</p>
<p>Students can learn advanced knowledge of analysis techniques on fibrous/polymeric/composite materials such as image analysis and three dimensional garment design process.</p>
<p style="text-align: center;">Materials Design and Intellectual Property</p>
<p>This class is about creation, protection and application of intellectual properties needed for graduate students especially for materials design and engineering field.</p>
<p style="text-align: center;">Advanced Wearable Computer Materials</p>
<p>Materials and theories related to wearable computers, especially optical fibers, are given to graduate students to apply information and communication technology to fiber and apparel engineering.</p>
<p style="text-align: center;">Master Paper Research Work</p>
<p>This course is for master paper research work.</p>
<p style="text-align: center;">Doctor Paper Research Work 1</p>
<p>This course is for doctoral paper research work.</p>
<p style="text-align: center;">Doctor Paper Research Work 2</p>
<p>This course is for doctoral paper research work.</p>