

課程資訊 (Course Information)					
科號 Course Number	JAD1131	學分 Credit	2	人數限制 Size of Limit	50
中文名稱 Course Title	色彩學				
英文名稱 Course English Title	Chromatology				
任課教師 Instructor	謝翠如				
上課時間 Time		上課教室 Room			

課程大綱 (Syllabus)

一、課程說明(Course Description)

色彩學是視覺藝術及各類型視覺設計的造型元素。本課程將透過觀察色彩現象、原理講授、設計實作，介紹色彩學的基本知識，以及色彩學在設計、創藝術以及產業的應用。Chromatology is a fundamental element of visual arts and various types of visual design. This course will introduce basic knowledge of chromatology through observing color phenomena, principles, and design implementation, as well as its applications in design, creative arts, and industries.

二、Keywords: color science, color vision, colorimetry, color planning

關鍵字: 色彩視覺、混色原理、色彩體系、色彩計畫 color science, color vision, colorimetry, color planning, color planning)

三、指定用書(Text Books)

色彩新論：從心理設計到科學應用(五南) (New Theory: From Psychological Design to Scientific Application)

四、參考書籍(References)

Best, J. (Ed.). (2017). Colour design: theories and applications.
 Sherin, A. (2012). Design elements, Color fundamentals: A graphic style manual for understanding how color affects design. Rockport Publishers.
 Holtzschue, L. (2012). Understanding color: an introduction for designers. John Wiley & Sons.
 Bleicher, S. (2023). Contemporary color: Theory and use. Routledge.
 Becker, D. (2016). Color trends and selection for product design: Every color sells a story. William Andrew.

五、教學方式(Teaching Method)

一、色彩學原理講授(40%)

Lecturing Principles of Chromatology (40%)

二、色彩/色光現象觀察紀錄(20%)

Observation and documentation of color/light phenomena (20%)

三、色彩設計實作與討論(30%)

Color design implementation and discussion (30%)

四、分組報告與討論 (10%)

Group presentations and discussions (10%)

六、教學進度(Syllabus) (範例如下)

週次	日期	課程內容	使用工具
1		課程介紹 Course Introduction	
2		色彩在生態、生活、設計與藝術 Color in Ecology, Life, Design, and Art	
3		色彩三元素：光、物體、視覺 Color Three Elements: Light, Objects, Vision	
4		色光與物體的現象觀察與攝影 Observation and Photography of Color/Light Phenomena	Varlens or Lightroom Apps
5		色彩視覺原理 Color Vision Principles	Chromatic Simulator App
6		色彩視覺原理 Color Vision Principles	Adobe Color https://michaelbach.de/ot/
7		色彩視覺現象與藝術 Color Vision Phenomena and Art	
8		原色與混色原理 Primary Colors and Color Mixing Principles	https://michaelbach.de/ot/
9		色彩心理及色彩影響行為 Color Psychology and Behavioral Effects	https://michaelbach.de/ot/
10		色彩應用於設計；期末設計專案介紹 Application of Color in Design; Introduction to Term Design Project	
11		人們如何溝通色彩?色彩命名系統 How People Communicate Color? Color Naming Systems	日本傳統色 Nippon Color 使用 PCCS 129 色票
12		設計師如何溝通色彩?色票系統 How Designers Communicate Color? Color Order Systems	使用 PCCS 129 色票
13		色彩如何量化溝通?色彩測量、色度空間、數位色	Adobe Color, Adobe PS,

	彩 How is Color Quantified for Communication? Color Measurement, Color Spaces, Digital Color	Adobe Illustrator
14	色彩計劃與配色 Color Planning and Color Scheme	Adobe Capture
15	分組設計專案討論 Group Project Discussion	
16	期末設計專案發表 Final Design Project Presentation	

七、成績考核(Evaluation) (範例如下)

一、設計專案(50%)
二、學習歷程紀錄(30%)
三、出席(10%)
四、其他(10%)
備註：