

The Science of Light

Basic

- The History of Light** — Human Usage, Application, Development and Future - From Science Perspective
- Light & Colour**
 - Spectrum of Light
 - Color Perception and Seeing
 - Elementary Colours
 - Light as Color vs Pigment as Color - Its Physical and its Chemicals
 - Subtractive Colour Mixing vs Addictive Colour Mixing
- Optics**
 - Reflection - Spherical Reflector , Aspherical , Symmetric Reflector
 - Lens , Beam Angle, Filled Angles
- Lamps and Lights**
 - Lamp Types and Its Chemical : Incandescent , Tungsten, Tungsten-Halogen, Discharge Lamp, etc
 - Intensity and Electricity
 - Circuitry, Cable, etc

Advanced

- Light as a Medium of Communication: Optics in Signaling and Data Transfer — 光作為通信媒介：信號和數據傳輸中的光學
- The Intersection of Light and Color in Digital Art and Animation — 數字藝術和動畫中光與色的交集
- How Light Propagation and Reflection Shape Our Built Environment: Architectural Lighting Design — 光的傳播和反射如何塑造我們的建築環境：建築照明設計
- The Science of Illumination: Understanding Light Sources and Lamps — 照明科學：了解光源和燈具
- The Impact of Light on Human Health and Well-being — 光對人類健康和福祉的影響
- The Use of Light in Medical Diagnosis and Therapy: Photomedicine and Optogenetics. — 光在醫學診斷和治療中的應用：光醫學和光遺傳學。

Possible Topics

The Art of Light

Basic

- The History of Light** — Human Usage, Application, Development and Future - From Humanity Perspective
- Light & Colour**
 - Spectrum of Light
 - Color Perception and Seeing
 - Elementary Colours
 - Light as Color vs Pigment as Color - Its Physical and its Chemicals
 - Subtractive Colour Mixing vs Addictive Colour Mixing
- Optics**
 - Reflection - Spherical Reflector , Aspherical , Symmetric Reflector
 - Lens , Beam Angle, Filled Angles
- Lamps and Lights**
 - Lamp Types and Its Chemical : Incandescent , Tungsten, Tungsten-Halogen, Discharge Lamp, etc
 - Intensity and Electricity
 - Circuitry, Cable, etc

Advanced

- Understanding the Properties of Light: Reflection, Refraction, and Absorption — 了解光的特性：反射、折射和吸收
- The Art of Light Painting: Exploring Movement and Texture with Light — 光繪藝術：用光探索運動與質感
- The Science of Color: The Interplay of Light and Pigment — 色彩科學：光與顏料的相互作用
- Light in Film and Photography: Creating Mood and Atmosphere — 電影和攝影中的光：營造情緒和氛圍
- The Use of Light in Theater and Performance: Setting the Stage — 燈光在戲劇和表演中的運用：舞台佈置
- The Integration of Light and Technology in Digital Art and Design. — 光與技術在數字藝術與設計中的融合。