



Fundamentals

Absorption processes

Exciton formation

Emission processes, luminescence

Instrumental and data analysis

Steady-state measurements, quantum yield

Time-resolved measurements

Luminescence from semiconductors

Excitons

Color-centers

Luminescence from nanomaterials

Special luminescence phenomena: persistent luminescence, thermoluminescence, mechanoluminescence, electroluminescence, etc

---

No textbook required.

Lecture notes and handouts will be provided as the course proceeds.

---

Days: Monday and Wednesday, First day of class: January 8, 2025

Time: 10:30 am – 12:00 pm (noon)

Location: TBD

---

Assignment (50%)

