

# COURSE DETAIL

## ART AND SCIENCE

**Country**

Korea, South

**Host Institution**

Seoul National University

**Program(s)**

Seoul National University

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Philosophy

**UCEAP Course Number**

52

**UCEAP Course Suffix****UCEAP Official Title**

ART AND SCIENCE

**UCEAP Transcript Title**

ART AND SCIENCE

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## **Course Description**

This course introduces and investigates two interdisciplinary approaches that connect the arts and sciences. In the first part, we explore how scientific knowledge deepens our understanding and interpretation of the arts. Beginning with the formation of artistic conventions, we examine the fundamental cognitive mechanisms that shape perception and aesthetic appreciation. The second part of the course explores how the arts can serve as a lens for interpreting scientific concepts. By engaging with contemporary arts inspired by biotechnology, robotics, artificial intelligence, etc., students explore how the arts critique and complement scientific endeavors. The course provides students with a solid foundation for conducting further research at the intersection of arts and sciences, fostering a deeper engagement with interdisciplinary studies.

Topics include vision and its relation to artistic conventions, key factors about light and color, various artistic techniques (perspective, shading, etc.), perceiving motion in artwork, emotional responses to art, empirical methods and approaches in science, neuroscientific approaches, art through changes in science and technology, robotics and digital media in art, AI-generated art, and more.

### **Language(s) of Instruction**

English

### **Host Institution Course Number**

C10.144

### **Host Institution Course Title**

ART AND SCIENCE

### **Host Institution Course Details**

<https://sugang.snu.ac.kr>

### **Host Institution Campus**

### **Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**

**Course Last Reviewed**

2025-2026

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