

# COURSE DETAIL

## INTRODUCTION TO PROGRAMMING AND ARTIFICIAL INTELLIGENCE FOR NATURAL SCIENTISTS

**Country**

Korea, South

**Host Institution**

Seoul National University

**Program(s)**

Seoul National University

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

56

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

INTRODUCTION TO PROGRAMMING AND ARTIFICIAL INTELLIGENCE FOR NATURAL SCIENTISTS

**UCEAP Transcript Title**

INT PROGRAM NAT SCI

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

**Course Description**

This course empowers undergraduate students in the College of Natural Sciences with essential knowledge in programming and artificial intelligence. Regardless of their specific majors, students gain foundational insights into computer science, computational science, statistics, and deep neural networks. This course equips students with practical skills that can be directly applied to scientific challenges. Through a combination of theory and practical exercises, this course offers students the opportunity to tackle real-world problems and work with data using artificial intelligence techniques. Students who possess basic computing and programming skills gain an understanding of how artificial intelligence and programming are applied in various subfields of natural sciences, fostering their ability to utilize these skills in future research endeavors.

**Language(s) of Instruction**

English

**Host Institution Course Number**

M2173.004800

**Host Institution Course Title**

INTRODUCTION TO PROGRAMMING AND ARTIFICIAL INTELLIGENCE FOR NATURAL SCIENTISTS

**Host Institution Course Details****Host Institution Campus****Host Institution Faculty****Host Institution Degree****Host Institution Department**

**Course Last Reviewed**

2024-2025

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