



Introduction to Artificial Intelligence [AICS223] Course Description & Basic Concepts

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인공지능사이버보안학과

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Course Introduction

■Overview

- This course will provide an overall explanation of basic artificial intelligence concepts and help understand how the artificial intelligence concepts are used in each cyber security domain.
- This course will explain the properties of various data inputs to machine learning and deep learning algorithms and how to process the data. The data entered as input values will be used as examples of data collected from each cybersecurity domain.
- This course will explain various machine learning algorithms used for supervised/unsupervised learning and basic concepts of deep learning algorithms, and how to use basic tools to perform the algorithms are explained.

■Background knowledge

- Understanding of data types in the domain of cyber security
- Data mining techniques & statistical techniques & Machine learning

■Hours and Classrooms

- 화 (9-11 교시), (17:00~20:00)
- 과학기술2관 217호

Course Outlines

no	Date	Contents
1	09월 02일	Course Description (OT)
2	09월 09일	Data Preprocessing I
3	09월 16일	Data Preprocessing II
4	09월 30일	Supervised Learning: Classification I
5	09월 16일	Supervised Learning: Classification II - Classification 실습
6	10월 07일	추석 연휴
7	10월 14일	Supervised Learning: Regression
8	10월 21일	중간고사
9	10월 28일	Unsupervised learning: Dimensionality Reduction
10	11월 04일	Unsupervised learning: Association Rules
11	11월 11일	Unsupervised learning: Clustering I
12	11월 18일	Unsupervised learning: Clustering II
13	11월 25일	Clustering 실습
14	12월 02일	Evaluation
15	12월 09일	기말고사

Grade/Failure by absence

■Score ratio

- 중간고사 (40%)
- 기말고사 (40%)
- 수시과제 (10%)
- Attendance (10%)

■Rules

- 3 tardies = 1 absence
- 6 absent = F grade
- Assignments (not submitted) = D~F grade

General notice

■Notice!

- Students in our class should note to write the E-mail title and file name according to the noticed format when submitting assignments or asking questions by E-mail.

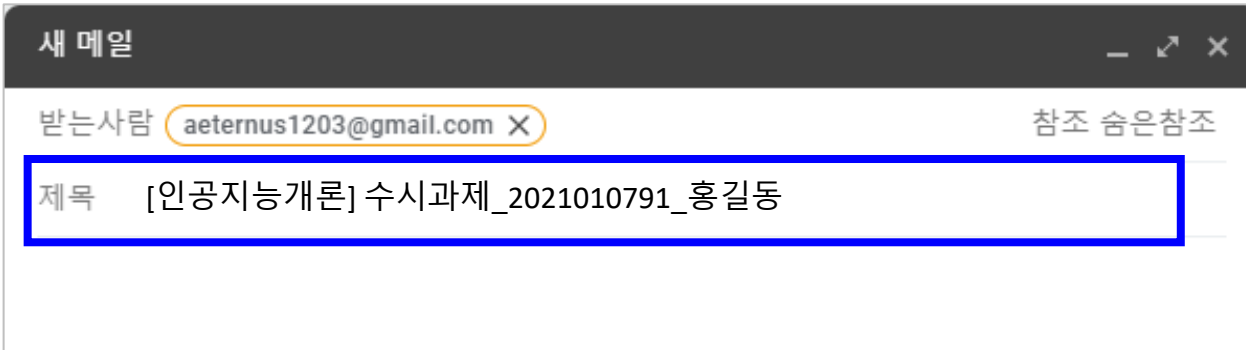
e.g.,)

- Email title:

- [Course Name] **Assignment**_student number_student's name

- File title:

- [Course Name] **Assignment**_student number_student's name.확장자



The screenshot shows an email composition window titled "새 메일" (New Email). The "받는사람" (To) field contains the email address "aeternus1203@gmail.com". The "제목" (Subject) field is highlighted with a blue border and contains the text "[인공지능개론] 수시과제_2021010791_홍길동".

Thank you



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