Course Title	AI AND PROGRAMMING LANGUAGE	Instructor	
Course Class	TRDXB1A DEPARTMENT OF DIPLOMACY AND INTERNATIONAL RELATIONS (ENGLISH-TAUGHT PROGRAM), 1A	Details	◆ General Course ◆ Required ◆ One Semester
Relevance to SDGs	SDG8 Decent work and economic growth SDG9 Industry, Innovation, and Infrastructure		

Departmental Aim of Education

Ⅰ. Develop students' basic literacy of information technology.

Ⅱ. Establish students' ability to apply information technology.

Ⅲ. Build students' information ethics.

Ⅳ. Train students' reflections on information-related issues.

Subject Schoolwide essential virtues

1. A global perspective. (ratio:10.00)

2. Information literacy. (ratio:30.00)

3. A vision for the future. (ratio:10.00)

4. Moral integrity. (ratio:20.00)

5. Independent thinking. (ratio:10.00)

6. A cheerful attitude and healthy lifestyle. (ratio:5.00)

7. A spirit of teamwork and dedication. (ratio:10.00)

8. A sense of aesthetic appreciation. (ratio:5.00)

Course Introduction	This course provides an introductory survey of Artificial Intelligence and related programming methods. This course will provide basic insight and approach of artificial intelligence on real world. The basic courses on programming will be taught with the computer software abilities as well. The students will need to complete tasks based on the teaching to improve critical thinking as well.

The correspondences between the course's instructional objectives and the cognitive, affective, and psychomotor objectives.

Differentiate the various objective methods among the cognitive, affective and psychomotor domains of the course's instructional objectives.

I. Cognitive : Emphasis upon the study of various kinds of knowledge in the cognition of the course's veracity, conception, procedures, outcomes, etc.
II.Affective : Emphasis upon the study of various kinds of knowledge in the course's appeal, morals, attitude, conviction, values, etc.
III.Psychomotor: Emphasis upon the study of the course's physical activity and technical manipulation.

No.	Teaching Objectives	objective methods
1	To understand how to approach in terms of AI and machine learning	Cognitive
2	To understand how Python (through software) is used and manipulation of basic codes.	Cognitive
3	To practice basic tasks with assignments based on own thinking as well.	Cognitive

The correspondences of teaching objectives : core competences, essential virtues, teaching methods, and assessment

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1		123	Lecture	Discussion(including classroom and online)
2		456	Lecture	Practicum
3		78	Experience	Study Assignments

Course Schedule

Week	Date	Course Contents	Note
1	111/09/05 ~ 111/09/11	Introduction	
2	111/09/12 ~ 111/09/18	Basic theory explanations of main concepts in AI	

3	111/09/19 ~ 111/09/25	Python programming 101	
4	111/09/26 ~ 111/10/02	Computer Programming – if else , while statements	
5	111/10/03 ~ 111/10/09	Computer Programming – Other useful statements and practice	
6	111/10/10 ~ 111/10/16	Computer Programming – Linear regression basics	
7	111/10/17 ~ 111/10/23	Computer Programming – linear regression applications	
8	111/10/24 ~ 111/10/30	Practice on programming skills	
9	111/10/31 ~ 111/11/06	Final test or assignments submission	
10	111/11/07 ~ 111/11/13	Midterm Exam Week	
11	111/11/14 ~ 111/11/20	none	
12	111/11/21 ~ 111/11/27	none	
13	111/11/28 ~ 111/12/04	none	
14	111/12/05 ~ 111/12/11	none	
15	111/12/12 ~ 111/12/18	none	
16	111/12/19 ~ 111/12/25	none	
17	111/12/26 ~ 112/01/01	none	
18	112/01/02 ~ 112/01/08	Final Exam Week	

Requirement	Attendance is important and class bunk will be punished through the scores. Students need to participate and finish the tasks in class as well as given assignments.
Teaching Facility	Computer, Projector
Textbooks and Teaching Materials	Python Crash Course, 2nd edition by Eric Matthes. The links and video guide will be provided in class and in iclass
References	

Number of Assignment(s)	(Filled in by assignment instructor only)
Grading Policy	◆ Attendance： 20.0 % ◆ Mark of Usual： % ◆ Midterm Exam： % ◆ Final Exam： 30.0 % ◆ Other〈assignments〉：50.0 %
Note	This syllabus may be uploaded at the website of Course Syllabus Management System at http://info.ais.tku.edu.tw/csp or through the link of Course Syllabus Upload posted on the home page of TKU Office of Academic Affairs at http://www.acad.tku.edu.tw/CS/main.php . ※ **Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.**