

## Tamkang University Academic Year 111, 1st Semester Course Syllabus

Course Title	AI AND PROGRAMMING LANGUAGE	Instructor	HO THI TRANG
Course Class	TFLAB1A DEPARTMENT OF ENGLISH (ENGLISH-TAUGHT PROGRAM), 1A	Details	<ul style="list-style-type: none"> <li>◆ General Course</li> <li>◆ Required</li> <li>◆ One Semester</li> </ul>
Relevance to SDGs	SDG4 Quality education		
Departmental Aim of Education			
<ul style="list-style-type: none"> <li>I. Develop students' basic literacy of information technology.</li> <li>II. Establish students' ability to apply information technology.</li> <li>III. Build students' information ethics.</li> <li>IV. Train students' reflections on information-related issues.</li> </ul>			
Subject Schoolwide essential virtues			
<ul style="list-style-type: none"> <li>1. A global perspective. (ratio:10.00)</li> <li>2. Information literacy. (ratio:30.00)</li> <li>3. A vision for the future. (ratio:10.00)</li> <li>4. Moral integrity. (ratio:20.00)</li> <li>5. Independent thinking. (ratio:10.00)</li> <li>6. A cheerful attitude and healthy lifestyle. (ratio:5.00)</li> <li>7. A spirit of teamwork and dedication. (ratio:10.00)</li> <li>8. A sense of aesthetic appreciation. (ratio:5.00)</li> </ul>			

<b>Course Introduction</b>	<p>This is general education course that provide a quick glance about concepts of Artificial Intelligence (AI), exploring use cases and applications of AI, understanding AI concepts and terms like machine learning, deep learning and neural networks. You will be exposed to various issues and concerns surrounding AI such as ethics and bias, &amp; jobs. This course does not require any programming or computer science expertise and is designed to introduce the basics of AI to anyone whether you have a technical background or not.</p>
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**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	Concepts of Artificial Intelligence (AI)	Cognitive
2	Exploring Use Cases and Applications of AI	Cognitive
3	Issues of AI	Cognitive

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1		12357	Lecture	Testing, Discussion(including classroom and online)
2		1235678	Lecture, Discussion	Testing, Discussion(including classroom and online)
3		12456	Lecture, Discussion	Testing, Discussion(including classroom and online)

**Course Schedule**

Week	Date	Course Contents	Note
1	111/09/05 ~ 111/09/11	Course Introduction, Introduction to AI	

2	111/09/12 ~ 111/09/18	AI Application and Programming Languages	
3	111/09/19 ~ 111/09/25	Concepts of Machine Learning (1)	
4	111/09/26 ~ 111/10/02	Concepts of Machine Learning (2)	
5	111/10/03 ~ 111/10/09	Concepts of Deep Learning (1)	
6	111/10/10 ~ 111/10/16	Natural Language Processing (1)	
7	111/10/17 ~ 111/10/23	Natural Language Processing (2)	
8	111/10/24 ~ 111/10/30	Issues of AI	
9	111/10/31 ~ 111/11/06	--	
10	111/11/07 ~ 111/11/13	Midterm Exam Week	
11	111/11/14 ~ 111/11/20	--	
12	111/11/21 ~ 111/11/27	--	
13	111/11/28 ~ 111/12/04	--	
14	111/12/05 ~ 111/12/11	--	
15	111/12/12 ~ 111/12/18	--	
16	111/12/19 ~ 111/12/25	--	
17	111/12/26 ~ 112/01/01	--	
18	112/01/02 ~ 112/01/08	Final Exam Week	
Requirement			
Teaching Facility		(None)	
Textbooks and Teaching Materials			
References			

Number of Assignment(s)	(Filled in by assignment instructor only)
Grading Policy	◆ Attendance : 20.0 %   ◆ Mark of Usual :   %   ◆ Midterm Exam :   % ◆ Final Exam : 80.0 % ◆ Other ( ) :   %
Note	This syllabus may be uploaded at the website of Course Syllabus Management System at <a href="http://info.ais.tku.edu.tw/csp">http://info.ais.tku.edu.tw/csp</a> or through the link of Course Syllabus Upload posted on the home page of TKU Office of Academic Affairs at <a href="http://www.acad.tku.edu.tw/CS/main.php">http://www.acad.tku.edu.tw/CS/main.php</a> . <b>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b>