Tamkang University Academic Year 112, 2nd Semester Course Syllabus

Course Title	INTRODUCTION TO COMPUTERS	Instructor	TRAN, HUU KHOA
Course Class	TLFBB1A DIVISION OF GLOBAL COMMERCE, DEPARTMENT OF INTERNATIONAL BUSINESS (ENGLISH-TAUGHT PROGRAM), 1A	Details	◆ General Course ◆ Required ◆ 2nd Semester
Relevance to SDGs	SDG4 Quality education		

Departmental Aim of Education

Ⅰ. Acquisition of professional knowledge.

Ⅱ. Learning effective self-planning.

Ⅲ. Theoretical application of practical matters.

Ⅳ. Interpersonal communication and teamwork.

Ⅴ. Analysis of problems and recommendations.

Ⅵ. Awareness of Ethics as a global citizen.

Subject Departmental core competences

A. Students can demonstrate that they have program basic knowledge of business and management.(ratio:10.00)

B. Students can demonstrate that they have capability in professional knowledge expression. (ratio:10.00)

C. Students can demonstrate that they have capability in using information technology. (ratio:70.00)

D. Students can demonstrate that they are critical thinkers.(ratio:10.00)

Subject Schoolwide essential virtues

1. A global perspective. (ratio:10.00)

2. Information literacy. (ratio:30.00)

3. A vision for the future. (ratio:5.00)

4. Moral integrity. (ratio:15.00)

5. Independent thinking. (ratio:25.00)

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

7. A spirit of teamwork and dedication. (ratio:5.00)

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

Course Introduction	The aim of this course is to introduce students the Python language in basic, and its application to Economic, Business and Finance aspects.

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	Inspiring students 'interest in learning Information Technology (IT), and cultivating their basic core competence of IT so as to make it reality in daily lives.	Cognitive
2	Guiding students ' IT skills with diverse examples so that they can apply what they have learned in their live and work	Psychomotor
3	Keeping abreast of the developments and applications of information communication and technology.	Affective

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	ABCD	12345678	Lecture, Discussion	Study Assignments, Discussion(including classroom and online), Report(including oral and written)

2	ABCD	12357	Lecture, Discussion	Study Assignments, Discussion(including classroom and online), Report(including oral and written)
3	ABCD	1345678	Lecture, Discussion	Study Assignments, Discussion(including classroom and online), Report(including oral and written)

Course Schedule

Week	Date	Course Contents	Note
1	113/02/19 ~ 113/02/25	Introduction to Python programming language	
2	113/02/26 ~ 113/03/03	Python libraries	
3	113/03/04 ~ 113/03/10	Basic operation	
4	113/03/11 ~ 113/03/17	Numbers	
5	113/03/18 ~ 113/03/24	Lists	
6	113/03/25 ~ 113/03/31	Dictionary	
7	113/04/01 ~ 113/04/07	Functions	
8	113/04/08 ~ 113/04/14	Modules	
9	113/04/15 ~ 113/04/21	Midterm Exam Week	
10	113/04/22 ~ 113/04/28	File I/O	
11	113/04/29 ~ 113/05/05	Exception Handling	
12	113/05/06 ~ 113/05/12	Special topics	
13	113/05/13 ~ 113/05/19	Special topics	
14	113/05/20 ~ 113/05/26	Project Presentation	
15	113/05/27 ~ 113/06/02	Project Presentation	
16	113/06/03 ~ 113/06/09	Project Presentation	
17	113/06/10 ~ 113/06/16	Final Exam Week (Date:113/6/11-113/6/17)	
18	113/06/17 ~ 113/06/23	Project Presentation or Python Advanced.	

Key capabilities	self-directed learning International mobility Information Technology Problem solving Interdisciplinary
Interdisciplinary	STEAM course (S:Science, T:Technology, E:Engineering, M:Math, A field:Integration of Art and Humanist)
Distinctive teaching	Practice course
Course Content	Computer programming or Computer language (students have hands-on experience in related projects)
Requirement	
Textbooks and Teaching Materials	Self-made teaching materials:Handouts Using teaching materials from other writers:Handouts
References	John Paul Mueller. (2018). Beginning Programming with Python for Dummies
Grading Policy	◆ Attendance： 10.0 % ◆ Mark of Usual：20.0 %（Information Proficiency Test Included） ◆ Midterm Exam： 25.0 % ◆ Final Exam： 5.0 % ◆ Other〈Project Presentation〉：40.0 %
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.**