Tamkang University Academic Year 108, 2nd Semester Course Syllabus

Course Title	INTRODUCTION TO COMPUTERS	Instructor	LIN IN-HO
Course Class	TGVOB0A INFORMATION EDUCATION, 0A	Details	◆ General Course ◆ Required ◆ One Semester

Departmental Aim of Education

Ⅰ. Development of information literacy.

Ⅱ. Development of computer skills.

Ⅲ. Building up information ethics.

Ⅳ. Training of independent thinking.

Subject Schoolwide essential virtues

2. Information literacy. (ratio:100.00)

Course Introduction	This course provides a general background on computers today: what is a computer, what is Today's technologies, what is hardware and software, what is the internet, network communications, and what are programs and Apps. Students will finish the course with a solid understanding of computers, how to use computers, and how to access information on the Web. Topics included are: .Today's Technologies .Computers and Mobile Devices .Programs and Apps .Digital Safety and Security .Inside Computers and Mobile Devices .Operating Systems .Working in the Enterprise

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	• Present the most-up-to-date technology in an ever-changing discipline • Give students an in-depth understanding of why computers are essential components in business and society • Teach the fundamentals of computers and computer nomenclature, particularly with respect to personal computer hardware and software, and the Web	Cognitive
2	To understand the framework and operations of Operating Systems	Affective
3	To understand how to use mobile devices and computing technology on their study and future jobs	Psychomotor

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1		2	Lecture, Experience	Study Assignments, Report(including oral and written)
2		2	Lecture, Practicum	Study Assignments, Report(including oral and written)
3		2	Lecture, Practicum, Experience	Testing, Study Assignments, Report(including oral and written)

Course Schedule

Week	Date	Course Contents	Note
1	109/03/02 ~ 109/03/08	Introduction to the course, Fundamental of Digital Computers(1)	
2	109/03/09 ~ 109/03/15	1.Fundamental of Digital Computers(2), 2.Digital Literacy: Introducing Today's Technology	

3	109/03/16~ 109/03/22	1.Computer Program, 2.Introduction to Python language	
4	109/03/23~ 109/03/29	1.Connecting and Communicating Online 2: Computers and Mobile Devices	
5	109/03/30~ 109/04/05	1.Ch.4: Programs and Apps, 2: Quiz 1	HW.#1, Quiz 1
6	109/04/06~ 109/04/12	Introduction to Python,	Lab.1
7	109/04/13~ 109/04/19	Ch.5:Productivities, Graphics, Security, and Other Tools, Ch.6:Computing Components:	HW.#2
8	109/04/20~ 109/04/26	Python Language: Estimation PI	Lab.2
9	109/04/27~ 109/05/03	Midterm Exam Week	
10	109/05/04~ 109/05/10	Python Language: Codes and other Secrets	HW.#3
11	109/05/11~ 109/05/17	Ch.7:Input and Output: Extending Capabilities of Computers and Mobile Devices, Ch.8:Digital Storage	
12	109/05/18~ 109/05/24	Ch.8:Digital Storage:Preserving Content Locally and on the Cloud	Quiz 2
13	109/05/25~ 109/05/31	Python Language: Introduction to Python Collections	HW.#4
14	109/06/01~ 109/06/07	Ch.9:Operating Systems, Ch.10:Communication Digital Contents	
15	109/06/08~ 109/06/14	Python Language: Bigger Data File I/O	Quiz.3, Lab.3
16	109/06/15~ 109/06/21	Ch.11:Building Solutions:Database System, and Application Development Tools, Ch.:12 Working in the Enterprise	
17	109/06/22~ 109/06/28	Final Exam Week (Date:109/6/18-109/6/24)	
18	109/06/29~ 109/07/05	Supplementary teaching: Working in The Enterprise:Systems, Certifications, and Carrers	
Requirement			
Teaching Facility		Computer, Projector	
Textbooks and Teaching Materials		1、"Discovering Computers 2018, Digital Technology, Data, and Devices" by Vermaat, Sebok (歐亞書局 Eurasia Book Co.), 2:Python Programming in Context	

References	
Number of Assignment(s)	**6**　(Filled in by assignment instructor only)
Grading Policy	◆ Attendance： 20.0 %　◆ Mark of Usual：20.0 %　◆ Midterm Exam： 20.0 % ◆ Final Exam： 20.0 % ◆ Other〈HW, GroupProject〉：20.0 %
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.**