

Tamkang University Academic Year 112, 2nd Semester Course Syllabus

Course Title	INTRODUCTION TO COMPUTERS	Instructor	NAIDA PARSAZADEH
Course Class	TLBAB1A DEPARTMENT OF BANKING AND FINANCE DIVISION OF GLOBAL FINANCIAL MANAGEMENT (ENGLISH-TAUGHT PROGRAM),	Details	♦ General Course ♦ Required ♦ 2nd Semester
Relevance to SDGs	1A SDG4 Quality education SDG8 Decent work and economic growth SDG9 Industry, Innovation, and Infrastructure		
D e p a r t m e n t a l A i m o f E d u c a t i o n			
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		This course aiming to develop proficiency of students in the Python programming language and its practical applications. The course covers fundamental Python concepts, data structures, algorithms, and explores real-world applications.		
<p>The correspondences between the course's instructional objectives and the cognitive, affective, and psychomotor objectives.</p> <p>Differentiate the various objective methods among the cognitive, affective and psychomotor domains of the course's instructional objectives.</p> <p>I. Cognitive : Emphasis upon the study of various kinds of knowledge in the cognition of the course's veracity, conception, procedures, outcomes, etc.</p> <p>II.Affective : Emphasis upon the study of various kinds of knowledge in the course's appeal, morals, attitude, conviction, values, etc.</p> <p>III.Psychomotor: Emphasis upon the study of the course's physical activity and technical manipulation.</p>				
No.	Teaching Objectives			objective methods
1	To cultivate students' core concepts and skills in programming language.			Cognitive
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, Practicum, Experience	Study Assignments, Discussion(including classroom and online), Practicum, 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	Basic operations and data types		

3	113/03/04 ~ 113/03/10	Numbers	
4	113/03/11 ~ 113/03/17	Conditional statements and loops	
5	113/03/18 ~ 113/03/24	Functions and modules	
6	113/03/25 ~ 113/03/31	Lists, tuples, and dictionaries	
7	113/04/01 ~ 113/04/07	Sets and frozen sets	
8	113/04/08 ~ 113/04/14	String manipulation	
9	113/04/15 ~ 113/04/21	Midterm Exam Week	
10	113/04/22 ~ 113/04/28	Understanding classes and objects	
11	113/04/29 ~ 113/05/05	File handling in Python	
12	113/05/06 ~ 113/05/12	Web Development	
13	113/05/13 ~ 113/05/19	Exploratory Data Analysis (EDA) with Python	
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	Flex week, learning activities should be arranged.	
Key capabilities			
Interdisciplinary			
Distinctive teaching			
Course Content		Computer programming or Computer language (students have hands-on experience in related projects) Logical Thinking	

Requirement	
Textbooks and Teaching Materials	Self-made teaching materials:Presentations
References	
Grading Policy	<p>◆ Attendance : 10.0 % ◆ Mark of Usual : 10.0 % (Information Proficiency Test Included)</p> <p>◆ Midterm Exam : 20.0 % ◆ Final Exam : 10.0 %</p> <p>◆ Other 〈Project presentation〉 : 50.0 %</p>
Note	<p>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 .</p> <p>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</p>