

Tamkang University Academic Year 110, 2nd Semester Course Syllabus

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| Course Title | INTRODUCTION TO COMPUTERS | Instructor | TRAN, HUU KHOA |
| Course Class | TLBAB1A DEPARTMENT OF BANKING AND FINANCE DIVISION OF GLOBAL FINANCIAL MANAGEMENT (ENGLISH-TAUGHT PROGRAM), | Details | <ul style="list-style-type: none"> ◆ General Course ◆ Required ◆ 2nd Semester |
| Relevance to SDGs | 1A SDG4 Quality education | | |
| Departmental Aim of Education | | | |
| <ul style="list-style-type: none"> 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 | | | |
| C. Students can demonstrate that they have capability in using information technology. (ratio:100.00) | | | |
| Subject Schoolwide essential virtues | | | |
| 2. Information literacy. (ratio:100.00) | | | |
| 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. | | |
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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 | 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 | C | 2 | Lecture, Discussion | Study Assignments, Discussion(including classroom and online), Report(including oral and written) |
| 2 | C | 2 | Lecture, Discussion | Study Assignments, Discussion(including classroom and online), Report(including oral and written) |
| 3 | C | 2 | Lecture, Discussion | Study Assignments, Discussion(including classroom and online), Report(including oral and written) |

Course Schedule

| Week | Date | Course Contents | Note |
|------|-----------------------|---------------------------------------------|------|
| 1 | 111/02/21 ~ 111/02/25 | Introduction to Python programming language | |
| 2 | 111/02/28 ~ 111/03/04 | Python libraries | |
| 3 | 111/03/07 ~ 111/03/11 | Basic operation | |

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| 4 | 111/03/14 ~ 111/03/18 | Numbers | |
| 5 | 111/03/21 ~ 111/03/25 | Lists | |
| 6 | 111/03/28 ~ 111/04/01 | Dictionary | |
| 7 | 111/04/04 ~ 111/04/08 | Functions | |
| 8 | 111/04/11 ~ 111/04/15 | Modules | |
| 9 | 111/04/18 ~ 111/04/22 | File I/O | |
| 10 | 111/04/25 ~ 111/04/29 | Midterm Exam Week | |
| 11 | 111/05/02 ~ 111/05/06 | Exception Handling | |
| 12 | 111/05/09 ~ 111/05/13 | Special topics | |
| 13 | 111/05/16 ~ 111/05/20 | Special topics | |
| 14 | 111/05/23 ~ 111/05/27 | Project Presentation | |
| 15 | 111/05/30 ~ 111/06/03 | Project Presentation | |
| 16 | 111/06/06 ~ 111/06/10 | Project Presentation | |
| 17 | 111/06/13 ~ 111/06/17 | Project Presentation | |
| 18 | 111/06/20 ~ 111/06/24 | Final Exam Week | |
| Requirement | | | |
| Teaching Facility | | Computer, Projector | |
| Textbooks and Teaching Materials | | -Handouts Python Books | |
| References | | John Paul Mueller. (2018). Beginning Programming with Python for Dummies | |
| Number of Assignment(s) | | 2 (Filled in by assignment instructor only) | |
| Grading Policy | | ◆ Attendance : 10.0 % ◆ Mark of Usual : 10.0 % (Information Proficiency Test Included) ◆ Midterm Exam : 20.0 % ◆ Final Exam : % ◆ Other <Project Presentation> : 60.0 % | |
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| 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> |
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