

Tamkang University Academic Year 113, 1st Semester Course Syllabus

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| Course Title | EVOLUTION OF TECHNOLOGIES | Instructor | CHU, LIOU |
| Course Class | TNUZB0B GLOBAL TECHNOLOGY REVOLUTION, 0B | Details | <ul style="list-style-type: none"> ◆ General Course ◆ Required ◆ One Semester ◆ 2 Credits |
| Relevance to SDGs | SDG9 Industry, Innovation, and Infrastructure | | |
| Departmental Aim of Education | | | |
| Students will understand recent development of modern science and technology and its impact on human society and global environment. Through the design of course students will also be familiar with broadly-based fundamental technical knowledge and improve. | | | |
| Subject Schoolwide essential virtues | | | |
| <ol style="list-style-type: none"> 1. A global perspective. (ratio:20.00) 2. Information literacy. (ratio:10.00) 3. A vision for the future. (ratio:20.00) 4. Moral integrity. (ratio:10.00) 5. Independent thinking. (ratio:10.00) 6. A cheerful attitude and healthy lifestyle. (ratio:10.00) 7. A spirit of teamwork and dedication. (ratio:10.00) 8. A sense of aesthetic appreciation. (ratio:10.00) | | | |
| Course Introduction | This course gives a general aspect of development of technology and related issues. | | |
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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 | 1. Development of technology, 2. Ethical issue of technology. | Cognitive |

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

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

Course Schedule

| Week | Date | Course Contents | Note |
|------|--------------------------|---------------------------|------|
| 1 | 113/09/09 ~ 113/09/15 | Introduction and grouping | |
| 2 | 113/09/16 ~ 113/09/22 | Topic 1 | |
| 3 | 113/09/23 ~ 113/09/29 | Topic 1 and discussion | |
| 4 | 113/09/30 ~ 113/10/06 | Topic 2 | |
| 5 | 113/10/07 ~ 113/10/13 | Topic 2 and discussion | |
| 6 | 113/10/14 ~ 113/10/20 | Topic 3 | |
| 7 | 113/10/21 ~ 113/10/27 | Topic 3 | |
| 8 | 113/10/28 ~ 113/11/03 | Topic 3 and discussion | |
| 9 | 113/11/04 ~ 113/11/10 | Midterm Exam Week | |
| 10 | 113/11/11 ~ 113/11/17 | Topic 4 | |
| 11 | 113/11/18 ~ 113/11/24 | Topic 5 | |

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| 12 | 113/11/25 ~ 113/12/01 | Topic 5 and discussion | |
| 13 | 113/12/02 ~ 113/12/08 | Topic 6 and discussion | |
| 14 | 113/12/09 ~ 113/12/15 | Topic 7 and discussion | |
| 15 | 113/12/16 ~ 113/12/22 | Topic 8 | |
| 16 | 113/12/23 ~ 113/12/29 | Topic 8 and discussion | |
| 17 | 113/12/30 ~ 114/01/05 | Final Exam Week | |
| 18 | 114/01/06 ~ 114/01/12 | Flex week, learning activities should be arranged. | |
| Key capabilities | | | |
| Interdisciplinary | | | |
| Distinctive teaching | | | |
| Course Content | Logical Thinking | | |
| Requirement | <p>1. Attendance of all classes is required. 請務必出席所有課程。</p> <p>2. Any absence will result in at least 5 points of "Participation and performance" deducted. Please call me or text me before class. 病假事假扣「課堂表現」5分。請上課前通知老師。</p> <p>3. Absence without leave will result in 30 points of "Participation and performance" deducted. 曠課每次扣「課堂表現」30分。</p> <p>4. Cheating or plagiarism will result in failure in the course. 作弊、抄襲會導致本課程不及格。</p> <p>5. Wearing slippers during class is not allowed. 上課請勿穿著拖鞋。</p> <p>6. Late arrival, early departure (over 20 minutes), and the stated inappropriate behavior will result in 30 points of "Participation and performance" deducted. 遲到、早退(超過20分鐘)·及前述不當行為每次扣「課堂表現」30分。</p> <p>7. A laptop computer is required to the class for class report and examinations. 請攜帶筆記型電腦上課製作報告與考試。</p> | | |
| Textbooks and Teaching Materials | <p>Self-made teaching materials: Presentations, Handouts</p> <p>Using teaching materials from other writers: Presentations, Videos</p> | | |

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| References | |
| Grading Policy | <p>◆ Attendance : 30.0 % ◆ Mark of Usual : % ◆ Midterm Exam : 5.0 %</p> <p>◆ Final Exam : 5.0 %</p> <p>◆ Other 〈Performance〉 : 60.0 %</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> |