

Tamkang University Academic Year 108, 1st Semester Course Syllabus

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| Course Title | GLOBAL TECHNOLOGY REVOLUTION | Instructor | CHEN, DUEN-KAI |
| Course Class | TGVZB0B GLOBAL TECHNOLOGY REVOLUTION, 0B | Details | <ul style="list-style-type: none"> ◆ General Course ◆ Required ◆ One Semester |
| Departmental Aim of Education | | | |
| <p>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.</p> | | | |
| Subject Schoolwide essential virtues | | | |
| <ol style="list-style-type: none"> 1. A global perspective. (ratio:70.00) 2. Information literacy. (ratio:10.00) 3. A vision for the future. (ratio:20.00) | | | |
| Course Introduction | <p>Introduce to students new/emerging technologies and how will our society affected by these technologies.</p> | | |
| <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 |

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| 1 | Introduce to students new/emerging technologies and how these technologies affect our daily life. | | | Cognitive |
| The correspondences of teaching objectives : core competences, essential virtues, teaching methods, and assessment | | | | |
| No. | Core Competences | Essential Virtues | Teaching Methods | Assessment |
| 1 | | 123 | Lecture, Discussion | Study Assignments, Discussion(including classroom and online), Report(including oral and written), Activity Participation |
| Course Schedule | | | | |
| Week | Date | Course Contents | | Note |
| 1 | 108/09/09 ~ 108/09/15 | Overview of this course | | |
| 2 | 108/09/16 ~ 108/09/22 | What is Science and Technology Studies (STS) ? | | |
| 3 | 108/09/23 ~ 108/09/29 | What is ELSI (Ethical, Legal, Social Issues) ? | | |
| 4 | 108/09/30 ~ 108/10/06 | Advancement in Information and Communication Technology | | |
| 5 | 108/10/07 ~ 108/10/13 | Advancement in Information and Communication Technology | | |
| 6 | 108/10/14 ~ 108/10/20 | Advancement in Information and Communication Technology | | |
| 7 | 108/10/21 ~ 108/10/27 | Advancement in Information and Communication Technology | | |
| 8 | 108/10/28 ~ 108/11/03 | Advancement in Information and Communication Technology | | |
| 9 | 108/11/04 ~ 108/11/10 | Advancement in Information and Communication Technology | | |
| 10 | 108/11/11 ~ 108/11/17 | Midterm Exam Week | | |
| 11 | 108/11/18 ~ 108/11/24 | Advancement in Information and Communication Technology | | |
| 12 | 108/11/25 ~ 108/12/01 | ELSI issues of recent Information and Communication Technology Advancement | | |
| 13 | 108/12/02 ~ 108/12/08 | ELSI issues of recent Information and Communication Technology Advancement | | |
| 14 | 108/12/09 ~ 108/12/15 | ELSI issues of recent Information and Communication Technology Advancement | | |

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| 15 | 108/12/16~ 108/12/22 | ELSI issues of recent Information and Communication Technology Advancement | |
| 16 | 108/12/23~ 108/12/29 | ELSI issues of recent Information and Communication Technology Advancement | |
| 17 | 108/12/30~ 109/01/05 | ELSI issues of recent Information and Communication Technology Advancement | |
| 18 | 109/01/06~ 109/01/12 | Final Exam Week (Date:109/1/3-109/1/9) | |
| Requirement | <p>Details of grading policy and how course project works will be announce in the first class. Lecturer remain the rights to adjust grading policy. 成績計算及專題執行細節將於課堂上公布・且授課教師保留調整成績計算方式的彈性。</p> <p>If a student' s class absence reaches one-third of the total class hours (in a semester) for a particular course, the course instructor will notify the Office of Academic Affairs, and the student will not be allowed to take part in the remaining course examinations and will receive a semester grade (for that course) of zero.</p> <p>** Article 38, section 2 If a student' s class absence reaches one-third of the total class hours (in a semester) for a particular course, the course instructor will notify the Office of Academic Affairs, and the student will not be allowed to take part in the remaining course examinations and will receive a semester grade (for that course) of zero. * * 本課程遵循本校學則第三十八條第二款規定辦理扣考</p> | | |
| Teaching Facility | Computer, Projector | | |
| Textbooks and Teaching Materials | | | |
| References | | | |
| Number of Assignment(s) | (Filled in by assignment instructor only) | | |
| Grading Policy | <p>◆ Attendance : % ◆ Mark of Usual : 55.0 % ◆ Midterm Exam : 10.0 %</p> <p>◆ Final Exam : %</p> <p>◆ Other < course project > : 35.0 %</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> | | |