Tamkang University Academic Year 110, 2nd Semester Course Syllabus

Course Title	GLOBAL ROBOT INDUSTRY TREND ANALYSIS AND PRACTICUM	Instructor	PETER LIU
Course Class	TNUZB0A GLOBAL TECHNOLOGY REVOLUTION, 0A	Details	◆ General Course ◆ Required ◆ One Semester

Relevance to SDGs	SDG3 Good health and well-being for people SDG4 Quality education SDG9 Industry, Innovation, and Infrastructure SDG11 Sustainable cities and communities

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

1. A global perspective. (ratio:70.00)

2. Information literacy. (ratio:10.00)

3. A vision for the future. (ratio:20.00)

Course Introduction	Students learn industry analysis theory, case analysis, and group discussion on global robotic industry status quo. A professional industry analysis report will be completed by each group as a final term homework.

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	Student will learn the theory and techniques to professional industry analysis with emphasis on the global robotics topic.	Psychomotor

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	Discussion(including classroom and online), Report(including oral and written), Activity Participation

Course Schedule

Week	Date	Course Contents	Note
1	111/02/21～111/02/25	Robotics Industry Status Quo I	
2	111/02/28～111/03/04	Robotics Industry Status Quo II	
3	111/03/07～111/03/11	Mapping the Industry I	
4	111/03/14～111/03/18	Mapping the Industry II	
5	111/03/21～111/03/25	Case Study I	
6	111/03/28～111/04/01	Case Study II	
7	111/04/04～111/04/08	Value Chain Analysis I	
8	111/04/11～111/04/15	Value Chain Analysis II	
9	111/04/18～111/04/22	Midterm quiz	
10	111/04/25～111/04/29	Midterm Exam Week	
11	111/05/02～111/05/06	Competitive Analysis I	

12	111/05/09～ 111/05/13	Competitive Analysis Ⅱ	
13	111/05/16～ 111/05/20	Case Study Ⅲ	
14	111/05/23～ 111/05/27	Artificial Intelligence Introduction Ⅰ	
15	111/05/30～ 111/06/03	Artificial Intelligence Introduction Ⅱ	
16	111/06/06～ 111/06/10	Final Project Presentation Ⅰ	
17	111/06/13～ 111/06/17	Final quiz	
18	111/06/20～ 111/06/24	Final Exam Week	

Requirement	
Teaching Facility	Projector
Textbooks and Teaching Materials	
References	
Number of Assignment(s)	**5** (Filled in by assignment instructor only)
Grading Policy	◆ Attendance： 10.0 ％ ◆ Mark of Usual：20.0 ％ ◆ Midterm Exam： 20.0 ％ ◆ Final Exam： 20.0 ％ ◆ Other〈期末分組報告〉：30.0 ％
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.**