

Tamkang University Academic Year 110, 2nd Semester Course Syllabus

Course Title	LOGIC AND PHILOSOPHY	Instructor	YANG, CHI-HER
Course Class	TNUVB0A PHILOSOPHY AND RELIGION, 0A	Details	<ul style="list-style-type: none"> ◆ General Course ◆ Required ◆ One Semester
Relevance to SDGs	SDG4 Quality education		
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			
<p>I. To build basic understanding of Philosophy and Religion.</p> <p>II. To cultivate ability of deliberation and critical thinking.</p> <p>III. To develop in-depth reflection on moral judgment and decision of action.</p>			
Subject Schoolwide essential virtues			
<p>4. Moral integrity. (ratio:50.00)</p> <p>5. Independent thinking. (ratio:50.00)</p>			
Course Introduction	<p>Logics provides us with a set of skills for evaluating arguments. These skills are important to students and future citizens. In this course the lecturer will introduce the elements of logics.</p>		

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	To have some knowledge of logic and philosophy.	Cognitive

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1		45	Lecture, Discussion	Testing, Study Assignments, Discussion(including classroom and online)

Course Schedule

Week	Date	Course Contents	Note
1	111/02/21 ~ 111/02/25	Introduction	
2	111/02/28 ~ 111/03/04	228	
3	111/03/07 ~ 111/03/11	Valid argument	
4	111/03/14 ~ 111/03/18	Syllogism	
5	111/03/21 ~ 111/03/25	Propositional logic: syntax	
6	111/03/28 ~ 111/04/01	Propositional logic: semantics	
7	111/04/04 ~ 111/04/08	Children' s Day	
8	111/04/11 ~ 111/04/15	Truth table	
9	111/04/18 ~ 111/04/22	Tableau	
10	111/04/25 ~ 111/04/29	Midterm Exam Week	
11	111/05/02 ~ 111/05/06	Liar paradox	
12	111/05/09 ~ 111/05/13	Predicate logic: syntax	

13	111/05/16~ 111/05/20	Predicate logic: semantics	
14	111/05/23~ 111/05/27	Identity and definite description	
15	111/05/30~ 111/06/03	Soundness and completeness	
16	111/06/06~ 111/06/10	Possible world and modal logic	
17	111/06/13~ 111/06/17	Epilogue	
18	111/06/20~ 111/06/24	Final Exam Week	
Requirement			
Teaching Facility	Computer, Projector, Other (Big board)		
Textbooks and Teaching Materials	Bergmann, M., Moor, J., and Nelson, J. (2013). The Logic Book. McGraw-Hill. Smith, P. (2020). An Introduction to Formal Logic. Cambridge: Cambridge University Press.		
References	Priest, G. (2017). Logic. Oxford: Oxford University Press. Smullyan, R. (2009). Logical Labyrinths. Wellesley: A K Peters. Gensler, H. (2017). Introduction to Logic. London: Routledge. 傅皓政 (2017) 。《思考的秘密》第二版。臺北：三民。		
Number of Assignment(s)	4 (Filled in by assignment instructor only)		
Grading Policy	◆ Attendance : 10.0 % ◆ Mark of Usual : 60.0 % ◆ Midterm Exam : % ◆ Final Exam : 30.0 % ◆ Other () : %		
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.		