

## Tamkang University Academic Year 113, 2nd Semester Course Syllabus

Course Title	LOGIC AND PHILOSOPHY	Instructor	YANG, CHI-HER
Course Class	TNUVB0A PHILOSOPHY AND RELIGION, 0A	Details	◆ General Course ◆ Required ◆ One Semester ◆ 2 Credits
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			
I . To build basic understanding of Philosophy and Religion. II. To cultivate ability of deliberation and critical thinking. III. To develop in-depth reflection on moral judgment and decision of action.			
Subject Schoolwide essential virtues			
1. A global perspective. (ratio:5.00) 2. Information literacy. (ratio:25.00) 3. A vision for the future. (ratio:5.00) 4. Moral integrity. (ratio:25.00) 5. Independent thinking. (ratio:25.00) 6. A cheerful attitude and healthy lifestyle. (ratio:5.00) 7. A spirit of teamwork and dedication. (ratio:5.00) 8. A sense of aesthetic appreciation. (ratio:5.00)			
Course Introduction	Logic 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 logic.		

**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	Students will know how to evaluate arguments.	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, Discussion(including classroom and online)

**Course Schedule**

Week	Date	Course Contents	Note
1	114/02/17 ~ 114/02/23	Introduction	
2	114/02/24 ~ 114/03/02	Valid argument	
3	114/03/03 ~ 114/03/09	Valid argument	
4	114/03/10 ~ 114/03/16	Syllogism	
5	114/03/17 ~ 114/03/23	Propositional logic: syntax	
6	114/03/24 ~ 114/03/30	Propositional logic: semantics	
7	114/03/31 ~ 114/04/06	Truth table	
8	114/04/07 ~ 114/04/13	Natural Deduction	
9	114/04/14 ~ 114/04/20	Midterm Exam/Midterm Assessment Week (teachers can adjust the week as needed)	
10	114/04/21 ~ 114/04/27	Liar paradox	
11	114/04/28 ~ 114/05/04	Russell's paradox	
12	114/05/05 ~ 114/05/11	Predicate logic: syntax	

13	114/05/12 ~ 114/05/18	Predicate logic: semantics	
14	114/05/19 ~ 114/05/25	Identity and definite description	
15	114/05/26 ~ 114/06/01	Soundness and completeness	
16	114/06/02 ~ 114/06/08	Possible world and modal logic	
17	114/06/09 ~ 114/06/15	Final Exam/Final Assessment Week (teachers can adjust the week as needed)	
18	114/06/16 ~ 114/06/22	Flexible Teaching Week: Generally, no in-person classes; teachers may arrange teaching activities or final assessments, among other options.	
Key capabilities		Problem solving	
Interdisciplinary		STEAM course (S:Science, T:Technology, E:Engineering, M:Math, A field:Integration of Art and Humanist)	
Distinctive teaching			
Course Content		Logical Thinking	
Requirement			
Textbooks and Teaching Materials		Self-made teaching materials:Handouts Using teaching materials from other writers:Textbooks	
References		Priest, G. (2017). Logic. Oxford: Oxford University Press. 傅皓政 ( 2017 ) 。《思考的秘密》第二版。臺北：三民。	
Grading Policy		◆ Attendance : 10.0 %    ◆ Mark of Usual : 30.0 %    ◆ Midterm Exam : 30.0 % ◆ Final Exam : 30.0 % ◆ Other <   > :       %	

Note	<p>This syllabus may be uploaded at the website of Course Syllabus Management System at <a href="http://info.ais.tku.edu.tw/csp">http://info.ais.tku.edu.tw/csp</a> or through the link of Course Syllabus Upload posted on the home page of TKU Office of Academic Affairs at <a href="http://www.acad.tku.edu.tw/CS/main.php">http://www.acad.tku.edu.tw/CS/main.php</a>.</p> <p>※ <b>Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b></p>
------	--