

Tamkang University Academic Year 112, 2nd Semester Course Syllabus

Course Title	ADVANCED WRITING WORKSHOP	Instructor	MENG-YING CHOU
Course Class	TSMAM1A MASTER'S PROGRAM, DEPARTMENT OF MATHEMATICS, 1A	Details	<ul style="list-style-type: none"> ◆ General Course ◆ Selective ◆ One Semester
Relevance to SDGs	SDG4 Quality education		
Departmental Aim of Education			
Expose students to cutting-edge research areas in mathematics and data science, and enhance their ability to pursue professional careers or advanced studies in related specializations.			
Subject Departmental core competences			
<p>A. Proficiency with fundamental knowledge in mathematics or statistics.(ratio:20.00)</p> <p>B. Ability to recognize, formulate, and solve mathematics problems.(ratio:20.00)</p> <p>C. Ability to conduct independent research and communicate mathematical or statistical concepts clearly and effectively.(ratio:20.00)</p> <p>D. Ability to transform real-world problems into mathematical or statistical models. (ratio:20.00)</p> <p>E. Ability to collect, analyze, interpret data, and present findings with visualization.(ratio:20.00)</p>			
Subject Schoolwide essential virtues			
<p>1. A global perspective. (ratio:20.00)</p> <p>2. Information literacy. (ratio:10.00)</p> <p>3. A vision for the future. (ratio:10.00)</p> <p>4. Moral integrity. (ratio:10.00)</p> <p>5. Independent thinking. (ratio:10.00)</p> <p>6. A cheerful attitude and healthy lifestyle. (ratio:10.00)</p> <p>7. A spirit of teamwork and dedication. (ratio:10.00)</p> <p>8. A sense of aesthetic appreciation. (ratio:20.00)</p>			

Course Introduction	Introduction to how to write a research report.
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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	To let students to know the structure of the research reports, and how to write their master thesis.	Cognitive

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

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

Course Schedule

Week	Date	Course Contents	Note
1	113/02/19 ~ 113/02/25	Quarto with R	
2	113/02/26 ~ 113/03/03	The Research Report	
3	113/03/04 ~ 113/03/10	The Introduction: Establish Contexts	
4	113/03/11 ~ 113/03/17	.	
5	113/03/18 ~ 113/03/24	The Introduction: Review Research	

6	113/03/25 ~ 113/03/31	.	
7	113/04/01 ~ 113/04/07	Weeks of TKU administration and observation on teaching	
8	113/04/08 ~ 113/04/14	.	
9	113/04/15 ~ 113/04/21	The Introduction: Present Research (Week of mid-term exam)	
10	113/04/22 ~ 113/04/28	.	
11	113/04/29 ~ 113/05/05	Method	
12	113/05/06 ~ 113/05/12	.	
13	113/05/13 ~ 113/05/19	Materials	
14	113/05/20 ~ 113/05/26	.	
15	113/05/27 ~ 113/06/02	Results	
16	113/06/03 ~ 113/06/09	.	
17	113/06/10 ~ 113/06/16	Discussion	
18	113/06/17 ~ 113/06/23	.	
Key capabilities	self-directed learning Information Technology		
Interdisciplinary	Competency-based education 'competency exploration' sustained competency or global issues STEEP (Society, Technology, Economy, Environment, and Politics)		
Distinctive teaching			
Course Content	Computer programming or Computer language (students have hands-on experience in related projects) Logical Thinking		
Requirement			

Textbooks and Teaching Materials	Using teaching materials from other writers:Textbooks, Presentations Name of teaching materials: Robert Weissberg, Suzanne Buker. "Writing Up Research: Experimental Research Report Writing for Students of English" . Pearson. 1990.
References	https://quarto.org .
Grading Policy	<p>◆ Attendance : 10.0 % ◆ Mark of Usual : 30.0 % ◆ Midterm Exam : 30.0 %</p> <p>◆ Final Exam : 30.0 %</p> <p>◆ Other () : %</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>