

Tamkang University Academic Year 114, 1st Semester Course Syllabus

Course Title	RESEARCH METHODS IN HEALTHCARE	Instructor	LIH-WEN MAU			
Course Class	TZHBM1A MASTER'S PROGRAM, DIVISION OF PRECISION HEALTHCARE, GRADUATE INSTITUTE OF SENIOR HEALTHCARE MANAGEMENT, 1A	Details	<ul style="list-style-type: none"> ♦ General Course ♦ Required ♦ One Semester ♦ 3 Credits 			
Relevance to SDGs	SDG3 Good health and well-being for people SDG4 Quality education SDG8 Decent work and economic growth SDG9 Industry, Innovation, and Infrastructure					
Departmental Aim of Education						
I. Development of problem solving capacity. II. Development of research and innovation capacity. III. Enhancement of cross-disciplinary capacity. IV. Development of lifelong self learning capacity.						
Subject Departmental core competences						
A. Capacity of problem solving.(ratio:10.00) B. Capacity of senior health management.(ratio:10.00) C. Capacity of Healthcare Industry Management.(ratio:20.00) D. Analytical capacity of health informatics.(ratio:20.00) E. Capacity of research and innovation.(ratio:10.00) F. Capacity of Scientific Paper Writing.(ratio:20.00) G. Capacity of lifelong self learning.(ratio:10.00)						
Subject Schoolwide essential virtues						
1. A global perspective. (ratio:10.00) 2. Information literacy. (ratio:20.00) 3. A vision for the future. (ratio:15.00) 4. Moral integrity. (ratio:10.00) 5. Independent thinking. (ratio:15.00) 6. A cheerful attitude and healthy lifestyle. (ratio:15.00) 7. A spirit of teamwork and dedication. (ratio:10.00)						

8. A sense of aesthetic appreciation. (ratio:5.00)

Course Introduction	<p>Introduces students to research methods in health services organization and research. Conceptual framework of health services research, systematic methods of literature review, selection of research approach and data collection design, and study instrument and measurement will be illustrated for paving the foundation for developing a solid study protocol.</p>
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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	<p>At the completion of this course the student will be able to: 1) Apply the appropriate strategies for developing a research problem; 2) Identify the importance of and develop a plan for conducting quantitative, qualitative, and mixed method strategies; 3) Describe relevant validity and reliability issues that impact data; 4) develop a structured protocol for evidence-based research .</p>	Cognitive

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	ABCDEFG	12345678	Lecture, Discussion, Publication, Experience	Study Assignments, Discussion(including classroom and online), Report(including oral and written), Activity Participation

Course Schedule

Week	Date	Course Contents	Note
1	114/09/15 ~ 114/09/21	(Introduction-course review)	

2	114/09/22 ~ 114/09/28	Scope of health services research, HSR	
3	114/09/29 ~ 114/10/05	Conceptual framework of planning health services research	
4	114/10/06 ~ 114/10/12	Research question and hypothesis Development	
5	114/10/13 ~ 114/10/19	Evidence-based health services research: systematic literature review (I)	
6	114/10/20 ~ 114/10/26	Evidence-based health services research: systematic literature review (II)	
7	114/10/27 ~ 114/11/02	Quantitative Research Design	
8	114/11/03 ~ 114/11/09	Qualitative Research Design	
9	114/11/10 ~ 114/11/16	Mid-term Report	
10	114/11/17 ~ 114/11/23	Mixed research method	
11	114/11/24 ~ 114/11/30	Selection of study design	
12	114/12/01 ~ 114/12/07	Data collection and study sample	
13	114/12/08 ~ 114/12/14	Challenges and opportunities of using secondary data	
14	114/12/15 ~ 114/12/21	Study Instrument and Measurement	
15	114/12/22 ~ 114/12/28	Assessments of Validity and Reliability	
16	114/12/29 ~ 115/01/04	Ethical Aspects of Health Services Research	
17	115/01/05 ~ 115/01/11	How to develop a research proposal	
18	115/01/12 ~ 115/01/18	Final review and report	
Key capabilities		self-directed learning Information Technology Problem solving Interdisciplinary	
Interdisciplinary		STEAM course (S:Science, T:Technology, E:Engineering, M:Math, A field:Integration of Art and Humanist) Competency-based education 'competency exploration' sustained competency or global issues STEEP (Society, Technology, Economy, Environment, and Politics) In addition to teaching content of the teacher's professional field, integrate other subjects or invite experts and scholars in other fields to share knowledge or teaching	

Distinctive teaching	USR curriculum Project implementation course
Course Content	Logical Thinking AI application Sustainability issue
Requirement	Be present and participate!
Textbooks and Teaching Materials	Self-made teaching materials:Textbooks, Handouts Using teaching materials from other writers:Textbooks, Presentations, Handouts, Videos
References	
Grading Policy	◆ Attendance : 10.0 % ◆ Mark of Usual : % ◆ Midterm Exam : 30.0 % ◆ Final Exam : 30.0 % ◆ Other (Homework) : 30.0 %
Note	This syllabus may be uploaded at the website of Course Syllabus Management System at https://web2.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 . ※"Adhere to the concept of intellectual property rights" and "Do not illegally photocopy, download, or distribute." Using original textbooks is advised. It is a crime to improperly photocopy others' publications.