

114-1 (2025 Fall) Introduction to Research 研究導論

2025/6/25 製、2025/9/11 修 by CWC

Time : Tuesdays 13:10 - 15:00

Classroom : Room 604 (醫學院 604 教室)

Coordinator : Chi-Wu Chiang 蔣輯武(ext. 3637) (chiangcw@mail.ncku.edu.tw)

Teaching Assistant : (ext.3591)



Course Objectives: This course introduces graduate students to scientific integrity and research ethics, biosafety, time management, hypothesis testing, scientific reading and communication, abstract/poster/proposal writing, and an overview of various biomedical methodologies and technologies. Students will also be exposed to current pharmaceutical developments or job opportunities in Taiwan and in World.

Course Format: A weekly 2-hour course and each topic will be covered in 2 sequential sessions with a combination of informal didactic presentation by the faculty, as well as discussion, oral and written presentation and hands-on planning by the students. **English** is used in the classroom and in written reports.

Grading Criteria: Students are evaluated based on attendance and classroom participation/performance (30%), assignments (40%), and Final report (oral) (30%).

課程進度 Course Progress Outline (* These lectures are related to research ethics)

序	日期	主題 Topic	授課教師
1	9/9	Introduction and Scientific Integrity*	Chi-Wu Chiang 蔣輯武
2	9/16	Ethical Issues of Researches *	Chi-Wu Chiang 蔣輯武
3	9/23	Issues in Publication of Data*	Ming-Jer Tang 湯銘哲
4	9/30	Biosafety and Lab safety	Ching-Hao Teng 鄧景浩
5	10/7	To Become a Successful Researcher	Chi-Wu Chiang 蔣輯武
6	10/14	Scientific Reading I (Journal formats, Data presentation & Interpretation, etc.)	Li-Wha Wu 吳梨華
7	10/21	Scientific Reading II (Journal formats, Data presentation & Interpretation, etc.)	Li-Wha Wu 吳梨華
8	10/28	Scientific Writing I (Abstract & Poster)	Shainn-Wei Wang 王憲威
9	11/4	Scientific Writing II (Results)	Shainn-Wei Wang 王憲威
10	11/11	University Founding Day and University Activities.(no class)	No class
11	11/18	Communication Skills I (General and interpersonal skills)	Chi-Wu Chiang 蔣輯武
12	11/25	Communication Skills II (Scientific presentation skills)	Chi-Wu Chiang 蔣輯武
13	12/2	Methodology in Biomedical Research-Focusing on Bacteriology	Ching-Hao Teng 鄧景浩
14	12/9	Methodology in Biomedical Research-Focusing on Molecular Biology	Hsiang-Chi Huang 黃湘琦
15	12/16	Methodology in Biomedical Research-Focusing on Animal Models for Human Diseases	Chun-Hsien Chu 朱俊憲
16	12/23	Experiences from Bench Side to Industry	Jason Chen 陳嘉興
17	12/30	Industrial Experiences	Tzong-Huah Wu 吳宗樺
18	1/6/2026	Final report (oral presentation)	Chi-Wu Chiang 蔣輯武