

113-1 (2024 Fall)

Introduction to Research 研究導論

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)

2024/6/28

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

序	日期	授課教師	主題 Topic
1	9/10	Chi-Wu Chiang 蔣輯武	Scientific Integrity*
2	9/17	Mid-Autumn Festival	
3	9/24	Chi-Wu Chiang 蔣輯武	Ethical Issues of Researches *
4	10/1	Ming-Jer Tang 湯銘哲	Issues in Publication of Data*
5	10/8	Chi-Wu Chiang 蔣輯武	To Become a Successful Researcher
6	10/15	Ching-Hao Teng 鄧景浩	Biosafety and Lab safety
7	10/22	Li-Wha Wu 吳梨華	Scientific Reading I (Journal formats, Data presentation & Interpretation, etc.)
8	10/29	Li-Wha Wu 吳梨華	Scientific Reading II (Journal formats, Data presentation & Interpretation, etc.)
9	11/5	Shainn-Wei Wang 王憲威	Scientific Writing I (Abstract & Poster)
10	11/12	Shainn-Wei Wang 王憲威	Scientific Writing II (Results)
11	11/19	Chi-Wu Chiang 蔣輯武	Communication Skills I (General and interpersonal skills)
12	11/26	Chi-Wu Chiang 蔣輯武	Communication Skills II (Scientific presentation skills)
13	12/3	Ching-Hao Teng 鄧景浩	Methodology in Biomedical Research-Focusing on Bacteriology
14	12/10	Chi-Wu Chiang 蔣輯武	Methodology in Biomedical Research-Focusing on Molecular Biology
15	12/17	TBA	Industrial Experiences
16	12/24	Jason Chen 陳嘉興	Experiences from Bench Side to Industry
17	12/31	Chun-Hsien Chu 朱俊憲	Methodology in Biomedical Research-Focusing on Animal Models for Human Diseases
18	1/7/2025	Chi-Wu Chiang 蔣輯武	Final report (oral presentation)

* These lectures are related to research ethics.