

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)

2026/7/20

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 (30%), and Final report (oral) (40%).

課程進度 Course Progress Outline

序	日期	授課教師	主題 Topic
1	9/8	Chi-Wu Chiang 蔣輯武	Introduction and Scientific Integrity*
2	9/15	Chi-Wu Chiang 蔣輯武	Ethical Issues in Researches *
3	9/22	Chi-Wu Chiang 蔣輯武	Ethical Issues in Publications*
4	9/29	Ching-Hao Teng 鄧景浩	Biosafety and Lab safety
5	10/6	Chi-Wu Chiang 蔣輯武	To Become a Successful Researcher
6	10/13	Li-Wu Wu 吳梨華	Scientific Reading I (Journal formats, Data presentation & Interpretation, etc.)
7	10/20	Li-Wu Wu 吳梨華	Scientific Reading II (Journal formats, Data presentation & Interpretation, etc.)
8	10/27	Shainn-Wei Wang 王憲威	Scientific Writing I (Abstract & Poster)
9	11/3	Shainn-Wei Wang 王憲威	Scientific Writing II (Results)
10	11/10	Chi-Wu Chiang 蔣輯武	Communication Skills I (General and interpersonal skills)
11	11/17	Chi-Wu Chiang 蔣輯武	Communication Skills II (Scientific presentation skills)
12	11/24	Ching-Hao Teng 鄧景浩	Methodology in Biomedical Research-Focusing on Bacteriology
13	12/1	Chun-Hsien Chu 朱俊憲	Methodology in Biomedical Research-Focusing on Animal Models for Human Diseases
14	12/8	Hsiang-Chi Huang 黃湘琦	Methodology in Biomedical Research-Focusing on Molecular Biology
15	12/15	Jason Chen 陳嘉興	Experiences in both Bench Side and Industry I
16	12/22	Ming-Jer Tang 湯銘哲	Experiences in both Bench Side and Industry II
17	12/29	Chi-Wu Chiang 蔣輯武	Final report (oral presentation)

* Learning credits of required academic research ethics will be offered for attending these lectures.