

111-1

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: 張錦揚 (ext.3591)

2022/7/19 製作

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 Asia.

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 (30%) (Turn in the report no later than 01/3/2023).

課程進度 Course Progress Outline

序	日期	授課教師	主題 Topic
1	9/6	Chi-Wu Chiang 蔣輯武	Scientific Integrity*
2	9/13 [#]	Pao-Lin Kuo 郭保麟	Ethical Issues of Researches Involving Humans as well as Animals*
3	9/20	Ming-Jer Tang 湯銘哲	Issues in Publication of Data*
4	9/27	Chi-Wu Chiang 蔣輯武	To Become a Successful Researcher
5	10/4	Ching-Hao Teng 鄧景浩	Biosafety and Lab safety
6	10/11	Li-Wha Wu 吳梨華	Scientific Reading I (Journal formats, Data presentation & Interpretation, etc.)
7	10/18	Li-Wha Wu 吳梨華	Scientific Reading II (Journal formats, Data presentation & Interpretation, etc.)
8	10/25	Shainn-Wei Wang 王憲威	Scientific Writing I (Abstract & Poster)
9	11/1	Shainn-Wei Wang 王憲威	Scientific Writing II (Results)
10	11/8	Chi-Wu Chiang 蔣輯武	Communication Skills I (General and interpersonal skills)
11	11/15	Chi-Wu Chiang 蔣輯武	Communication Skills II (Scientific presentation skills)
12	11/22	Chun-Hsien Chu 朱俊憲	Animal Models for Human Diseases
13	11/29	Ching-Hao Teng 鄧景浩	Methodology in Biomedical Research-Focusing on Bacteriology
14	12/6	Chi-Wu Chiang 蔣輯武	Methodology in Biomedical Research-Focusing on Molecular Biology
15	12/13	Jason Chen 陳嘉興	Industrial Experiences
16	12/20	Sereina Wu 吳瓊媛	Experiences from Bench Side to Industry

#The lecture is rescheduled. * These lectures are related to research ethics. It is a mandatory requirement to take at least 6 h research ethics lectures for working under government-funded research grant.

方法	百分比%	閱讀、理解與運用專業知識	彙整新知與良好的溝通能力	解決研究問題的能力
出席與課堂參與: Attendance, classroom participation & performance	30	V	V	V
作業: Assignments	40	V	V	V
期末報告: Final report	30	V	V	V