

## 108-1

## Introduction to Research 研究導論

**Time:** Tuesdays 13:10 - 15:00

(開課序號 Serial Number:021、課程系統碼 Course System Number:T13100)

**Classroom:** Room 604 (醫學院 604 教室)

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

**Teaching Assistant:** (ext.3591)

2019/5/10、2019/6/28 修訂

**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 5 pm on 01/08/2019).

### 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*	Pao-Lin Kuo 郭保麟	Ethical Issues of Researches Involving Humans as well as Animals(To be rescheduled)
3	9/24	Alice Y.W. Chang 張雅雯	Experiences in Institutional Review Board (IRB)
4	10/1	Alice Y.W. Chang 張雅雯	Issues in Publication of Data
5	10/8	Ching-Hao Teng 鄧景浩	Biosafety and Lab safety
6	10/15	Li-Wha Wu 吳梨華	Scientific Reading I (Journal formats, Data presentation & Interpretation, etc.)
7	10/22	Li-Wha Wu 吳梨華	Scientific Reading II (Journal formats, Data presentation & Interpretation, etc.)
8	10/29	Shainn-Wei Wang 王憲威	Scientific Writing I (Abstract & Poster)
9	11/5*	Shainn-Wei Wang 王憲威	Scientific Writing II (Results)
10	11/12	Chi-Wu Chiang 蔣輯武	Communication Skills (Interpersonal & Scientific)
11	11/19	Chi-Wu Chiang 蔣輯武	Methodology in Biomedical Research-Focusing on Molecular Biology
12	11/26	Ching-Hao Teng 鄧景浩	Methodology in Biomedical Research-Focusing on Bacteriology
13	12/3	Chi-Wu Chiang 蔣輯武	To become a successful researcher
14	12/10	Jason Chen 陳嘉興	Industrial experiences
15	12/17	Shih-Lan Hsu 徐士蘭	Translational biomedical research
16	12/24	Chi-Wu Chiang 蔣輯武	Final report

\*The lecture will be rescheduled

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	√	√	√
作業: Assignments	40	√	√	√
期末報告: Final report	30	√	√	√