## 106 -1 Introduction to Research 研究導論

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

Classroom: Room 604 (醫學院 604 教室)

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**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%).

## 課程進度 Course Progress Outline

序	日期	授課教師	主題 Topic			
1	9/19	Chi-Wu Chiang 蔣輯武	Scientific Integrity			
2	10/2*	Pao-Lin Kuo 郭保麟	Ethical Issues of Researches Involving Humans as well as Animals			
3	10/3	Alice Y.W. Chang 張雅雯	Experiences in Institutional Review Board (IRB)			
4	10/17	Alice Y.W. Chang 張雅雯	Issues in Publication of Data			
5	10/24	Chi-Wu Chiang 蔣輯武	How to be a Good Researcher?			
6	10/31	Ching-Hao Teng 鄧景浩	Biosafety and Lab Safety			
7	11/7	Shainn-Wei Wang 王憲威	Scientific Writing I (abstract & poster)			
8	11/14	Shainn-Wei Wang 王憲威	Scientific Writing II (Results)			
9	11/21	Li-Wha Wu 吳梨華	Scientific Reading I (journal formats, data presentation & interpretation, etc.)			
10	11/28 Li-Wha Wu 吳梨華 Scientific Reading II (journal formats, data presentation & interpretation		Scientific Reading II (journal formats, data presentation & interpretation, etc.)			
11	12/5	Chi-Wu Chiang 蔣輯武	Communication Skills I (interpersonal & scientific)			
12	2 12/12 Chi-Wu Chiang 蔣輯武 Communication Skills II (interpersonal & scientific)		Communication Skills II (interpersonal & scientific)			
13	12/19	Ching-Hao Teng 鄧景浩 Methodology in Biomedical Research				
14	12/26	Nanshan Chang 張南山	Animal Models for Human Diseases			
15	107/1/2	107/1/2 Chung-I Li 李俊毅 Applications of Biostatistics in Biomedical Research				
16	107/1/9	Cheng-Yao Chen 陳呈堯	From Basic Research to Biotechnology Applications			
17	107/1/16	Jason Chen 陳嘉興	Industrial experiences			

\*Note: the lecture date is rescheduled to Monday, which is different from the regular Tuesday. The classroom is also changed to the conference room at 3F in IMM.

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