

## **Research skills**

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## ***Research skills***

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### **Research Ethics**

Coordinator  
Professor Anthony SO  
Dean of Graduate School

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### **Designed for**

All postgraduate students.

### **Objective**

- to develop a higher level of sensitivity about ethical issues in research, especially since postgraduate studies are the first stage that leads to independent academic research.

**Structure** Seminar & group discussion with speaker from respective discipline

**Medium of Instruction** English

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### **Brief Description**

Honesty in research, proper records, sharing of credit, originality and plagiarism, research ethics, CUHK policy.

### **Group 1 Non-clinical research**

Speaker  
Professor Tong Yuying  
Professor, Department of Sociology

### **Details**

University research is a professional practice that has evolved over time, like law, medicine and accounting. All such practices are underpinned by values and codes of ethics, which define what is “good” and what is “unacceptable” within the practice. New practitioners need to learn what the key values and codes of ethics are. The aim of the workshop is to introduce the key values and codes of ethics involved in doing research in the humanities and social sciences at CUHK. Some of the key values discussed will include intellectual honesty, integrity and professionalism, fairness and equity, openness regarding conflicts of interest and care for the well-being of all concerned in the research. Key concerns discussed will include plagiarism, academic fraud, careless note-taking or data-gathering, abuse of other people’s research work or academic property, conflict of interest and unethical practices regarding interviewees.

## **Group 2      Clinical research**

Speaker

Professor Szeto Cheuk Chun

Department of Medicine & Therapeutics

### Details

Clinical research projects and clinical trials require active participation by patients and/or subjects in the community. The role of Independent Ethics Committee (IEC) or Institution Review Board (IRB) for protecting and safeguarding the research participants is becoming an important issue in clinical research. The development of policy together with practical and efficient processes for the ethics review is critical. In this talk, we would introduce the historical perspective of the role of IEC/IRB, and summarize the key spirit of Belmont Report, the Declaration of Helsinki, and the purpose of ICH GCP Guidelines using recent incidences as examples. We would discuss how clinical researchers, hospitals administrators and the public work together to accomplish our current Clinical Research Ethics Committee (CREC) infrastructure.



## **Qualitative Research Methods - Ethnographic Approaches**

### **Speaker**

Prof. Leilah Sohrab VEVAINA

Assistant Professor, Department of Anthropology

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### **Designed for**

Postgraduate students in the faculties of Arts, Business Administration, Education, Medicine, Social Science and Law who need to understand peoples' cultural points of view for their research.

### **Objective**

- to introduce ethnographic research methods.

### **Structure**

2.5-hour lecture and discussion

### **Medium of Instruction**

English

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### **Brief Description**

Ethnographic research involves collecting data that describe a culture or part of a culture. Especially important is understanding culture from the informants' points of view. Ethnographic description and understanding can be a goal in and of itself, or can be the first step before quantitative and comparative studies. Methods include participant observation, person-centered interviewing and direct systematic observation of behavior.



## **Quantitative Research Methods - Survey Research**

Dr. Ho Ching Wai Chris  
Lecturer, Department of Sociology

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### **Designed for**

All postgraduate students.

### **Objective**

- to introduce the practice of survey research.

**Structure**                      2.5-hour lecture

**Medium of Instruction**      English

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### **Brief Description**

This seminar is a brief introduction on the practical issues of survey research. Discussion will focus on the basic features of survey research. The presentation emphasizes the importance of preparation work before conducting the survey, particularly on the design and planning stages. Measurement, sampling strategies and sample size issues will also be discussed. Finally, the talk will cover selected issues on questionnaire design. Discussions will be supplemented with examples.

## **Elementary Data Analysis for Quantitative Research by SPSS**

Speakers  
Professor Yau Chun Yip  
Director, Risk Management Science Program

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### **Designed for**

Postgraduate students who would like to perform quantitative analysis using SPSS.

### **Objective**

At the end of the course, the participant should be able to:

- understand the main features of SPSS
- prepare data for analysis in SPSS
- perform basic data exploration
- getting started with inferential statistics

**Structure**                                  3-hour hands-on workshop

**Medium of Instruction**                English supplemented with Cantonese and Putonghua

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### **Brief Description**

The aim of this course is to provide an introduction to IBM SPSS Statistics, a user-friendly statistical analysis software that has been widely used by researchers to perform quantitative analysis. In this introductory course, we will help students to learn how to enter data in SPSS and conduct basic data manipulations, including data summary using descriptive statistics, frequencies, cross-tabulation procedures and statistical graphics. The basic concepts and the formal procedure of hypothesis testing will also be introduced.

### **Statistical Consultation**

The Statistical Consulting Services of the Department of Statistics is to encourage the proper use of statistical methodology and to provide statistical expertise. Students who have statistical enquiries can consult staff from 2 to 5 pm on every Friday afternoon on a walk-in basis during normal 1st and 2nd semester teaching period. The statistical laboratory is located at Rm 120 Lady Shaw Building. For enquiries, please send email to [consult@sta.cuhk.edu.hk](mailto:consult@sta.cuhk.edu.hk)





## ***Research Skills***

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### **Basics of Research Data Management**

*Coordinator*

The Chinese University of Hong Kong Library

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#### **Designed for**

**ALL research postgraduate and taught doctoral students (admitted in 2022/23 or after).**

Students must complete this online course and examination in their first year of studies for partial fulfilment of candidacy and graduation requirements.

#### **Objective & Brief Description**

Research Data Management (RDM) is of growing importance throughout the research life cycle. This self-learning online course covers an overview of RDM, Data Management Plan, data deposit, and data ethics. After completion of this course, students will be able to understand the purpose and principles in research data management.

**Structure**    Self-learning online course and examination

**Medium of Instruction:**    English

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#### **Completion requirements**

To complete this compulsory course, student must:

- 1) go through **ALL** the materials online, **AND**
- 2) pass the online examination.

Remark:

- An email with login information will be sent to individual registrant one week before the start day of each group.
- The Chinese University of Hong Kong Library organizes various types of workshops and seminars to address your research needs throughout the academic year. The workshop schedules are available on the CUHK Library home page (<http://www.lib.cuhk.edu.hk/en/learning/workshops>) and on the Library's notice boards.

*Exemption:*

Students who have attended this compulsory course in their previous study may apply for exemption by submitting a [declaration form](#) to CLEAR.

## Research Data Management for Your Discipline

Group 1 – for Arts and Education

Group 2 – for Engineering

Group 3 – for Medicine

Group 4 – for Science

Group 5 – for Business, Law, Social Science, and Inter-faculty

Group 6 – for Multi-disciplines

### Speaker

Ms Lily Ko

Head, Research & Learning Support

The Chinese University of Hong Kong Library

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### Designed for

ALL postgraduate students who need to manage data for their research. These are discipline-specific courses focusing on research data management. They are optional but **HIGHLY RECOMMENDED** to enhance your research skills in managing research data.

### Objective

At the end of the course, students will be able to:

- Understand the purpose and principles in research data management;
- Demonstrate the skills in managing research data;
- Create Data Management Plans with DMPTool; and
- Select a data repository for data deposit.

**Structure** 1.5-hour workshop

**Medium of Instruction** English

### Brief Description

The workshops for different disciplines will cover:

- Key concepts of research data management;
- Features of Data Management Plans (DMPs) and using DMPTool to create DMPs;
- Data repositories and dataset deposit in the CUHK Research Data Repository;
- Data collection and reuse (according to disciplines); and
- Data ethics (according to disciplines).