

Research skills

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Research skills

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

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

Associate 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. For preparation read <http://www.cuhk.edu.hk/rao/rga/prcip.pdf>

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.

Observing Intellectual Property and Copyright Law during Research

Coordinator
The Chinese University of Hong Kong Library

Designed for

Compulsory for **ALL RESEARCH** postgraduate students. Students must complete this online course before graduation.

Objective & Brief Description

It is very important for students to know how to avoid infringing the Intellectual Property and Copyright of others. This course will introduce CUHK research students to updated issues in Intellectual Property and Copyright which are applicable in academic circles. To link the issues to global research, the subject of 'Plagiarism' is also included.

Structure Web-based course and examination

Medium of Instruction: English

Completion requirements

To complete this compulsory module, 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.

Exemption:

Students who have attended this IPL compulsory course in their previous study may apply for exemption by submitting a **declaration form** to CLEAR.

Qualitative Research Methods - Ethnographic Approaches

Speaker

Prof. Leilah Sohrab VEVAINA

Assistant Professor, Department of Anthropology

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

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.

Qualitative Research Methods- History, Heritage, the Past, a Past: Researching 'History'?

Speaker

Professor James Morton

Assistant Professor, Department of History

Designed for

All postgraduate students.

Objective

- to introduce researching "History".

Structure 2.5-hour lecture

Medium of Instruction English

Brief Description

Students often leave school with the impression that the study of History is all about learning facts about the past – especially dates. This is actually backwards: the English word ‘history’ comes from the ancient Greek verb *historeo* (ἵστορέω), which means ‘ask questions’. Historians ask questions about the past in order to understand the present.

Most postgraduate students, especially in the Arts and Social Sciences (but also other fields), will have some kind of historical dimension to their research, looking at change over time to understand present conditions. This lecture will help to prepare you for this by introducing you to the basics of History and historical research: Why do we study History? How do we study History? What is History, and what can it offer you? We will explore these questions in more depth by looking at examples of recent historical research and engaging in a short group activity and discussion.

Quantitative Research Methods - Survey Research

Speaker
To be confirmed

Designed for

All postgraduate students.

Objective

- to introduce the practice of survey research.

Structure 2.5-hour lecture

Medium of Instruction English

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

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

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

Advanced Data Analysis for Quantitative Research by SPSS

Speakers

Professor Yau Chun Yip

Director, Risk Management Science Program

Designed for

Postgraduate students who would like to perform advanced quantitative analysis using SPSS and have basic knowledge on SPSS or completed “Elementary Data Analysis for Quantitative Research by SPSS” course.

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 data exploration
- conduct statistical inference under various settings and data structures

Structure 3-hour hands-on workshop

Medium of Instruction English supplemented with Cantonese and Putonghua

Brief Description

This application-oriented course is a continuation of the introductory course “Elementary Data Analysis for Quantitative Research by SPSS”. The aim of this second course in IBM SPSS Statistics is to explore sophisticated univariate and multivariate statistical techniques and models for conducting quantitative research in scientific or social scientific disciplines.

This course covers specific statistical techniques including, but not limited to, Generalized additive model (GAM), generalized linear mixed models (GLMM), generalized estimating equations (GEE), Cox regression, Cluster analysis, Classification models, time series models and forecasting.

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

Research Skills

Basics of Research Data Management

Coordinator
Dr Wendy Wong
Research Data Librarian
The Chinese University of Hong Kong Library

Designed for

ALL research postgraduate and taught doctoral students (admitted in 2022/23 or after).
Students are required to complete this online course in their 1st year of studies.

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 Web-based course and examination

Medium of Instruction: English

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 will organise other library workshops and seminars to address your research needs throughout the academic year. The schedules would be available via the CUHK Library home page (<http://www.lib.cuhk.edu.hk/en/learning/workshops>) and on the Library's notice boards.

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

Dr Wendy Wong

Research Data Librarian

The Chinese University of Hong Kong Library

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, participants are 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 2-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).