Online Course on Research Methodology: Schedule & Description, June 03 - July 31, 2024 (Flyer)

Course Overview here

Please see here for Introduction: CLT@FCCU Course on Research Methodology

The Research Methodology course is partly based on, and promotes the Researcher Development Framework (RDF). Our **course objectives** emphasize the knowledge and skill attributes of successful researchers to encourage them to realize their potential. The researcher's attitude is highlighted as integral to the process- See Overview of research Course 2024

Based on feedback for the 2023 course, 2 new webinars have been added this year (see single asterisk) * ,
International experts have ** (two asterisks) against their name

Terms & Conditions for Certification:

1. CLT does not issue the certificate for individual webinars. We issue a certificate for 'course completion' ONLY and for claiming it:
    a. Participants have to have at least 75% or more attendance in each of the webinars
    b. Participants have to request the certificate
2. 'Course completion' means attending 18 webinars including one from either of the following
    a. Webinar 15 Research Writing and Publishing in Humanities,
    b. Webinar 16 Research Proposal and Writing in Social Sciences &
    c. Webinar 17 Reading, Writing, and Publishing in Natural Sciences
3. Unless you rename yourself on your Zoom profile as 'University name & Your name' for the webinar/s, verification of your attendance will not be possible

All experts will also dwell upon the impact of Generative Artificial Intelligence (Gen AI) on the different facets of research methodology, specific to their respective themes

Structure	Topic	Time	Date	Resource Person/s	Learning Objectives
Introduction	Webinar 1 **Theories of Research (Epistemology)**	1-2 pm PKT	3 June	Ameem Lutfi (LUMS)	This interactive session delves into the foundations of research by examining various epistemological perspectives. We'll explore: • Logical Positivism / Empiricism • Alternative theories such as Interpretive Theory, Critical Theory, Value Pluralism / Liberalism, Communitarianism, Postmodernism • Significance of academic research

	Webinar 2: ***AI & Research: The Big Picture**	1-2 pm PKT	5 June	**Dr. David Santandreu Mohamed bin Zayed University of Artificial Intelligence UAE	**NEW SESSION** The session will explore the transformative power of AI across the research landscape. We'll explore key themes: • Impact of AI on research workflow • Ethical considerations and potential biases in AI-driven research • Use of AI to develop research instruments like surveys, interviews, tests etc • Human - AI Collaboration for academic research • Research agenda to explore the future of AI in Higher Education
Library Search for Research	Webinar 3 **Advanced Search Techniques / E-Library***	12-1 pm PKT	10 June	**Joyce Draiby Lebanese American University	This session explores the following themes in efficient navigation of E-Library: • Advanced search strategies using keywords, Boolean operators, and other techniques. • Strategies to evaluate information sources. • Concept Of Cited Reference & power searching with Google Scholar
	Webinar 4 **Citations Manager** **Demonstration Session*	1-2 pm PKT	10 June	**Joyce Draiby Lebanese American University	This demonstration session introduces participants to Mendeley, a powerful citation manager. The session will explore: • The use of 'citation managers' to create personalized databases of citation information and notes. • Strategies to import and organize citation information from article indexes and other sources.
Literature Review and Research Ethics	Webinar 5 **Literature Review: Engaging with the Text**	12-1 pm PKT	12 June	Asif Iftikhar Lahore University Management Sciences	This session will equip participants with skills to conduct robust literature reviews. This session will explore these themes: • Purpose and key elements for a well-written analysis • Transforming research idea into research questions • Framing the theoretical constructs to shape academic research study • Impact of theoretical frameworks to navigate research methodology, analysis, and interpretation • Analysis of academic discourse
	Webinar 6 **Research Ethics in the Digital Age & *of AI: What is Plagiarism?**	1-2 pm PKT	12 June	**Ali Chaudhry Veracious.ai UK	This session explores the integration of AI in academic research. Key themes for the session are: • Deconstructing issues and challenges in research ethics in the Digital Age • Plagiarism in the age of Gen-AI • Emerging challenges and potential solutions for responsible AI integration in academic research • Skills in disciplinary citation management
Research Methodology	Webinar 7 **Qualitative Research**	11-12 pm PKT	24 June	Sara Rizvi Jafree FCCU	This session explores key themes in qualitative research, including: • Overviews of Qualitative Research • Issues in designing Qualitative Research: Approaches, Methods, Data Collection & Analysis. • Gen-Ai and Qualitative Research

	Webinar 8 **Quantitative Research**	1-2 pm PKT	24 June	**Zeeshan Ali Hull University, UK	This session explores key themes in quantitative research, including: • Difference between Qualitative & Quantitative Research Study • Issues in Quantitative Research: Approaches, Methods, & Research tools • Issues in Quantitative Research tools: Pre-testing, reliability, validation • Tools To Determine Sample Size
	Webinar 9 **Mixed Method Research**	11-12 pm PKT	26 June	Altaf Ullah Khan FCCU	This session will explore the power of mixed methods research: a methodology that combines quantitative and qualitative research methods to provide a richer understanding of this phenomena. • Understanding the phenomenon of Mixed Methods Research • Advantages of using Mixed Methods Research • Developing a blended research design
	Webinar 10 ***Introduction to Digital Humanities as Interdisciplinary Research Methodology**	1-2 pm PKT	26 June	**Najla Jarkas International DH expert	This session unlocks the potential of Digital Humanities (DH), a vibrant field that revolutionizes scholarship through collaboration, interdisciplinarity, and computational tools. This session will explore: • The concept of DH & its interdisciplinary nature • Application of DH across disciplines • Role of DH for scholarship & research • Open access DH platforms & tools
Tools for Research	Webinar 11 **Data Visualization with 'R'** ***Demonstration Session**	1-2 pm PKT	1 July	Itrat Naqvi FCCU	**Prerequisites**: **Basic understanding of Statistical Methods and R Studio**: This session will demonstrate: • How to handle big data from R-Repository, or other data files • Visualization of huge amounts of data for identifying trends, density, outliers, and behaviors.
	Webinar 12 **Quantitative Methods Using SPSS** ***Demonstration Session**	10-12pm PKT	3 July	Asif Shami FCCU	This demonstration session will equip participants with the basics of using SPSS for quantitative data analysis. Key themes are: • Coding, entering, and importing datasets from various platforms. • Selecting and performing appropriate descriptive statistical methods to summarize data. • Performing and interpreting basic statistical tests. • Fitting linear regression models. • Interpreting the results with applications to real-life datasets.
	Webinar 13 **Conducting and Publishing Systematic Reviews and Meta-Analyses**	12-1pm PKT	8 July	Aqsa Sarwar FCCU	The objectives of this session are to clearly demonstrate and understand how to: • Conduct systematic reviews and meta-analyses. • Conceive research topics requiring systematic reviews and meta-analyses. • Develop conceptual frameworks and hypotheses for meta-analyses. • Select key search terms and databases for relevant literature. • Conduct data extraction and data coding. • Conduct homogeneity analysis. • Conduct sensitivity analysis for publication bias • Draft the manuscript and prepare it for publication in top journals.

	Webinar 14 **Reporting Statistical Results**	1-2 pm PKT	8 July	**Zeeshan Ali Hull University, UK	Reporting statistical results is a key component of quantitative research. This will session will explore the following themes: • Apply simple rules for effective statistical practice. • Identify statistical issues in non-statistics research articles. • Effectively report statistical results in various sections of a research report, including the abstract, introduction, discussion, and conclusion.
Writing Skills	Webinar 15 **Research Writing and Publishing for the Humanities**	12-1pm PKT	10 July	Waseem Anwar Kinnaird College Women University	**Note: All registered participants should bring an academic paper that is in the process of being prepared for publication to this webinar.** This workshop aims to explore the publication processes in the field of humanities, addressing questions such as: • Why do we need to publish, and how do we go about it? • How is research writing in the humanities distinct from other fields? • What are the key professional publication rules in the humanities? • How does writing for publication become a refined skill? • What types of peer reviews are involved in the process, if required? • What incentives exist for publishing? • What "open access policies" might be relevant to the process? • What are the possible politics of publication, if any? Participants are expected to discuss these issues in relation to resources within their disciplines, including humanities, arts, social sciences, or natural sciences.
	Webinar 16 **Research Proposal and Writing in Social Sciences Research**	1-2 pm PKT	22 July	Sara Rizvi Jafree FCCU	This session will explore various themes in developing a strong research proposal that meets academic standards and clearly communicates research objectives. Key themes for the session include: • Discussing the style and form of a research proposal in the social sciences. • Learning about the key components of research. • Understanding how these components are presented in research writing.
	Webinar 17 **Reading, Writing and Publishing in Natural Sciences**	1-2 pm PKT	24 July	Saqlain Abbas Shah FCCU	In this session, participants will learn how different scientific disciplines explore various parts of knowledge, and how academic writing should reflect the structure of that research landscape. Specifically, the session will explore the following themes: • Significance of a smart literature review. • Leveraging AI tools to find the most relevant papers. • Application of Typeset.io. • Capabilities of R Discovery. • Free download sources for research papers. • Leveraging AI tools for efficient reading • How to critically review your own academic writing. Additionally, participants will gain insights into publishing guidelines, locating and citing sources appropriately across different scientific disciplines, with a focus on natural sciences.

	Webinar 10 ***Introduction to Digital Humanities as Interdisciplinary Research Methodology**	11-12 noon PKT	29 July	****Najla Jarkas** International DH expert	This session unlocks the potential of Digital Humanities (DH), a vibrant field that revolutionizes scholarship through collaboration, interdisciplinarity, and computational tools. This session will explore: • The concept of DH & its interdisciplinary nature • Application of DH across disciplines • Role of DH for scholarship & research • Open access DH platforms & tools
	Webinar 18 **Grants and Proposal Writing**	1-2 pm PKT	29 July	Kauser Abdullah FCCU	This session will explore key themes in: • identifying key skills in preparing a successful research proposal • understanding the key components for effective proposal writing • how to locate Funder/Donors for your proposal by discipline
General	Webinar 19: * **Master Your Editing & Reviewing Skills**	12-1 pm PKT	31 July	Rubeena Zakar, PU & ****Asma Salman** American University Emirates	**NEW SESSION** The panelists will provide practical guidance on how to be a valuable contributor to the scholarly publishing process in two key roles. 1**- The Art of Reviewing** • Focus on providing constructive feedback for different types of reviews (peer review, copy editing, developmental editing). • Discuss strategies for crafting clear, concise, and actionable feedback. • Highlight the importance of respectful communication. • Foster a positive learning environment. 2**- Editor's Toolkit** • Focus on practical editing skills, including essential tools and resources for editors (style guides, reference software). • Strategies for identifying and correcting grammar, punctuation, and style errors. • Emphasize the importance of ensuring clarity, structure, and flow in writing.
	Webinar 20: **Panel** **And what the books do not teach!** **Tips from the Pros**	1-2 pm PKT	31 July	Firasat Jabeen, Subah Mir, Saqlain Abbas, & SharoonHanook	In this session, the panelists will share insights on: • Abilities and Attributes of a Good Researcher according to the Researcher Development Framework • Tips for Managing Your Research Process • Strategies for Writing Effectively and Efficiently

Legends:

FCCU- Forman Christian College University

LUMS- Lahore University of Management Sciences

PU - Punjab University

* New webinars added this year

** International experts

FORMAN CHRISTIAN COLLEGE
(A CHARTERED UNIVERSITY)

CLT
Center for Learning & Teaching

Online Course on
Research Methodology

JUNE 3- JULY 31 2024

20 AI-Integrated Webinars
International & National Experts

Free Registration: https://www.spring2020teaching.online/registration2

- Introduction to Research
- Library Search
- Literature Review & Research Ethics
- Tools for Research
- Writing Skills for Research
- General Concepts in Research
- Research Methods

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