

PhD Program

SSSDCC01: Social Science Research Methodologies

This course is intended to enable researchers to think through existing concepts or formulate new concepts that reveal hitherto non-articulated. It is expected that this course will persuade scholars to constitute objects for research that belong to none of the existing disciplines. It is meant to be the stepping stone to become an interdisciplinary researcher. It touches upon different research methodologies, concepts and categories tangentially. Six months of this course passes in a flash.

Part I

I. Foundational Concepts

1. Commonsense and Science; Objectivity and Subjectivity; Value Neutrality; Law and Truth; Universality
2. Methodology-Method –Technique
3. Theoretical and Empirical Researches
4. Documents and Evidences (source materials)
5. Deterministic and Probabilistic Approaches
6. Linear and Non-linear
7. Continuity and Rupture
8. Irreversibility of Time
9. Progress and Growth
10. Randomness and Pattern tracing

II .Key Concepts

1. Labour, Work and Activity
2. System; Structure (as in linguistics, Anthropology and History); Function; Agent; Agency
3. Structuration
4. Cause and Effect
5. Verification and Falsification
6. Paradigm and Paradigm Shift;
7. Discourse; Same and the Other; Orientalism
8. Rationalisation
9. Rock and Water Logic
10. Homogeneity and Heterogeneity
11. Monotheism and Pantheism
12. Ethics, Morality; Political, Social, Communal
13. Freedom
14. Imagination; Ideation

15. Utopia

III Representation

1. Languages (written, visual, phonetic)
2. Referent; Reproduction
3. Signification
4. Signifier, Signified and Sign
5. Paradigmatic and Syntagmatic
6. Representation and the Factual

IV Language/Linguistic Turn and Crisis of Representation

1. Language Game
2. Postmodern Condition
3. Post-structuralism; Poststructuralism
4. Beyond the Sovereign and the Subject
5. Knowledge/Power
6. Erasure of Universal Truth
7. Genealogy
8. Historical Ontology
9. Subject and Power; Subjectification
10. Deconstruction of Coherence, Consistency, Homogeneity and the Fundamental

Part II

I Numerical

1. Quantity and Quality
2. Empirical Fact; Evidence; Validation
3. Primary and Secondary Information
4. Variable and constant
5. Quantification and Measurement
6. Measures of Central Tendency, Measures of Variation, Measures of Trends, Measures of Correspondence, Measures of Causality
7. Expected Value
8. Residual
9. Hypothesis, Proof and Evidence
10. Indispensability of numbers and counting

Suggested References

- Abraham Kaplan (1980) *The Conduct of Enquiry*, Sachin Publishers.
- Adorno and Horkheimer (1944/2002) *Dialectic of Enlightenment*, Stanford University Press.
- Alain Badiou (2001) *Ethics: An Essay on Understanding of Evil*, Peter Hallward.
- Baudrillard J. (1981) *For a Critique of the Political Economy of the Sign*, Telos Press.
- Carver Terrell (ed.), (1991) *The Cambridge Companion to Marx*, Cambridge University Press.
- Clifford Geertz (1973) *The Interpretation of Cultures: Selected Essays*, Basic Books.
- Deleuze G and Guattari (1987) *A Thousand Plateaus*, by Brian Massumi, University of Minnesota Press.
- Deleuze G and Guattari (1994) *What is Philosophy?* University of Minnesota.
- Derrida J. (1978) *Writing and Difference*, tr., Alan Bass, University of Chicago.
- Durkheim E. (1951) *Suicide: A Study in Sociology*, Translated by John A. Spaulding and George Simpson, The Free Press of Glencoe.
- Durkheim E. (1953) *Sociology and Philosophy*, Translated by D. F. Pocock, Cohen and West.
- Feyerabend P. (1975) *Against Method*, Verso.
- Foucault M. (1972) *The Archaeology of Knowledge*, translated by Allan Sheridan, Harper and Row.
- Foucault M. (1980) *Power/Knowledge: Selected interviews and Other Writings*, Pantheon Books.
- Foucault M. 'The Subject and Power', In, Dreyfus, H. and P. Rabinow,(1983) *Michel Foucault: Beyond Structuralism and Hermeneutics*, 2nd edition, University of Chicago Press.
- Foucault M. (1991) 'Wat is Enlightenment', in Paul Rabinow, ed., *The Foucault Reader*, Penguin Books, London

- Habermas J. (1962/1989) *The Structural Transformation of the Public Sphere*, T. Burger and F. Lawrence (trans), MIT Press.
- Harold Garfinkel (1984) *Studies in Ethnomethodology*, Polity Press.
- Immanuel Kant (1784, 1996) 'An Answering the Question: "What is Enlightenment?"' in *Practical Philosophy*, Cambridge University Press, Cambridge.
- Immanuel Wallerstein (1996) *Open the Social Sciences: Report of the Gulbenkian Commission on the Restructuring of the Social Sciences*, Sage.
- Jean-Francois Lyotard (1979) *The Postmodern Condition*, Manchester University Press.
- Karl Marx (2000) *Selected Writings*, 2nd edition, David McLellan (ed.), Oxford University Press.
- Levi-Strauss (1963/1983) *Structural Anthropology*, University of Chicago Press.
- Levi-Strauss (1969) *Elementary Structure of Kinship*, Beacon Press.
- Marcel Mauss (1990) *The Gift: forms and functions of exchange in archaic societies*, Routledge.
- Max Weber (1992) *The Protestant Ethic and the Spirit of Capitalism*, Routledge.
- Pierre Bourdieu (1992) *An Invitation to Reflexive Sociology*, University of Chicago Press and Polity.
- Pierre Bourdieu (1998) *Practical Reason: On the theory of Action*, Stanford University Press.
- Roland Barthes (1977) *Image, Music, Text*, Fontana Press.
- Rostow W. W. (1960) *The Stages of Economic Growth: A Non-Communist Manifesto*, Cambridge University Press.
- Thomas Kuhn (1970) *The Structure of Scientific Revolutions*, University of Chicago Press.
- Umberto Eco (2015) *How to Write a Thesis*, The MIT Press, Cambridge, Massachusetts
London

Additional Readings will be suggested in the respective classes

SSSDCC02: Social Theory

I. Classical and Modern Social Theories

1. Enlightenment: Modernity and the Emergence of Social Theory
2. Marxian Social Theory: Hegel and Marx; Marx's Theory of society- Mode of production. Relations of Production and the Philosophy of Internal Relations. Theory of Alienated Labour, Concept of Ideology.
3. Max Weber: The Economic and the Social; Modernity and rationalization; Bureaucracy; Sociology of Religion.
4. Karl Manheim and Sociology of Knowledge; Thomas Kuhn and Paradigm Shift.
5. Phenomenology: Husserl's critique of positivism – Method of Description – Transcendental Phenomenology – The concept of Lifeworld (Lebenswelt); Existential phenomenology: Heidegger's Method – Being and Time – Being and Space; Phenomenological Sociology: Alfred Schutz – Phenomenology of the Social World; Phenomenology of Perception: Maurice Merleau-Ponty – Bodily Knowledge; Jean-Paul Sarte – Being and Nothingness.

II. Contemporary Social Theory

1. Structuralism and Linguistic Turn: Saussure and Structural Linguistics – Pragmatics – Semantics – Syntactics – Levi-Strauss and Structural Anthropology – Althusser and Structural Marxism – Wittgenstein and Language Game – Jacques Lacan and Unconscious (Unconscious is Structured Like a Language)
2. Theory of Systems of Sign (Structural Semiotics and Social semiotics): Sign-Signifier -signified-Referent; Langue and Parole; Syntagmatic Sign; Synchronic and diachronic Analysis; Signification – Denotation – Connotation – Barthes and Mythology; Text –Context – Intertextuality; Social Semiotics – Ideological Complexes; Logonomic systems – Production regimes and Reception Regimes; Semiosis – Mimetic Plane and Semiostic Plane
3. Critical Theory: The Frankfurt School – Max Horkheimer – Theodore Adorno – Marcuse; Adorno and Cultural Industry – Habermas and Theory of Communicative Action
4. Structuration Theory: Anthony Giddens
5. Constructivist Structuralism: Pierre Bourdieu and Reflexive Sociology
6. Ethnomethodology
7. World System Analysis
8. Theories of Space: Lefebvre – The Production of Space; Foucauldian Heterotopia; Thirdspace – Edward Soja – Homi Bhabha
9. Feminism

10. Post-Structuralism
11. Post-Modernism
12. Post-Colonialism
13. Net Work Theory: Latour – Manual Castell – Donna Haraway

Readings

- Barthes, Roland, *Elements of Semiology*, Trans. Annette Lavers and Colin Smith, New York: Hill & Wang. 1968.
- Barthes, Roland, *Image, Music, Text*, London; Fontana, 1977.
- Barthes, Roland, *Mythologies*, Annette Lavers and Colin Smith, New York: Hill & Wang. 1972.
- Baudrillard, Jean, *The Mirror of Production*, New York, 1975.
- Bhaba, H, “The Third Space” In J. Rutherford (ed.) *Identity, Community, Culture, Difference*, London: Lawrence and Wishart, 1990.
- Bhaba, H, *Location of Culture*, London : Routledge, 1994.
- Bourdieu, Pierre and J.D Waquant, Loic, *Introduction to Reflexive Sociology*, Cambridge: Polity Press, 1992 (Part 1 & 2).
- Bourdieu, Pierre, *Outline of a Theory of Practice*, Cambridge; Cambridge University Press, 1977.
- Bryant, Christopher and Jarry, David, (eds.), *Giddens’ Theory of Structuration*, London: Routledge and Kegan Paul, 1991.
- Butler, J, *Gender Trouble: Feminism and the subversion of Identity*, New York: Routledge, 1990.
- Culler, Jonathan, *On Deconstruction*, London; Routledge and Kegan Paul, 1982.
- Derrida, Jacques, *Speech and Phenomena of Other essays: On Husserl’s Theory of Signs*, Evanston: North Western University Press, 1973.
- Derrida, Jacques, “Difference” In Derrida, *Margins of Philosophy*, Chicago: Chicago University Press, 1982.
- Derrida, Jacques, *Of Grammatology*, Trans. Gayatri Chakravorty Spivak, Baltimore: John Hopkins University Press, 1975.
- Eco, Umberto, *A Theory of Semiotics*, Bloomington: Indiana University Press, 1976.
- Feyerabend, Paul, *Against Method*, London: Verso Edition, 1984.
- Foucault, Michel, *The Archaeology of Knowledge*, Trans. A.M. Sheridan-Smith, New York: Pantheon, 1972,1976.

- Foucault, Michel, *The Order of Things: An Archeology of the Human Sciences*, Trans. anon, New York: Pantheon, 1970, 1971.
- Garfinkel, Harold, *Studies in Ethnomethodology*, Cambridge: Polity Press, 1984.
- Giddens, Anthony, *The Constitution of Society*, Cambridge: Polity Press, 1984.
- Hammond, Michael, *Understanding Phenomenology*, Oxford: Basil Jane Howarth and Black Well, 1991.
- Heidegger, Martin, *Being and Time*, Trans. John Macquarrie and John Robinson, New York, Harper and Row, 1962.
- Hindess, Barry, "Rationality and the characterization of Modern Society" In Scott Lash and Sam Whimster (eds.), *Max Weber, Rationality and Modernity*, London: Allen & Unwin, 1987.
- Hodge, Robert and Kress, Gunther, *Social Semiotics*, Oxford; Blackwell, 1988.
- Husserl, Edmund, *Logical Investigation*, 2 Vols. Trans. J.N Findlay, London, Routledge and Kegan Paul, 1970.
- Irigaray, Luce, *The Sex Which Is Not One*, Ithaca: Cornell University Press, 1985.
- Kant, Immanuel, "An Answer to the Question: What is Enlightenment?" In Petrica Waugh (ed.), *Postmodernism: A Reader*, New York: Edward Arnold, 1992.
- Keat, Russel & Connor, Steven. "Postmodernities" In Steven Connor (ed.), *Postmodernist Culture*, Oxford: Blackwell, 1989.
- Kuhn. S. Thomas, "The Relation Between History and Social Sciences" In Paul Rabinov and W.M. Sullivan (eds.), *Interpretive Social Sciences*, London: University of California Press, 1979.
- Kuhn. S. Thomas, *The structure of Scientific Revolutions*, Chicago: University of Chicago Press, 1970.
- Lacan, Jacques, *Four Fundamental Concepts of Psychoanalysis*, Trans. Alan Sheridan, New York: W.W. Norton & Co., 1978.
- Leach, Edmund, *Lev-Strauss*, Fontana, 1970.
- Lyotard, Jean-Francois, *The Post modern condition: A Report on Knowledge*, Manchester University Press, 1986.
- Lyotard, Jean-Francois, *The Post modern condition*, Minneapolis: Univerisity of Minnesota Press, 1984.
- Merleau-Ponty, Maurice, *Phenomenology of Perception*, Trans. Colin Smith, New York: Routledge, 1962.
- Nietzsche, Friedrich, *The Will To Power*, New York: Vintage Books, 1973.

- Pierre, Guiraud, *Semiology*, London: Routledge & Kegan Paul, 1975.
- Saussure, Ferdinand de, *Course in General Linguistics*, Trans. W. Baskin, New York: McGraw-Hill, 1959.
- Smart, Barry, “Phenomenological Sociology – An Alternative Sociology?” In Barry Smart (ed.), *Sociology Phenomenology and Marxian Analysis*, London, Routledge and Kegan Paul, 1976.
- Weber, Max, *The Methodology of Social Sciences*, New York: The Free Press, 1949.
- Wittgenstein, L, *Philosophical Investigations*, London: Macmillan, 1968

SSSDCC04: RESEARCH AND PUBLICATION ETHICS (RPE)

This course has total 6 units focusing on basics of Philosophy of science and ethics, research integrity, publication ethics. Hands on sessions are designed to identify research misconduct and predatory publications. Indexing and citation databases, open access publications, research metrics (citations, h-index, Impact Factor, etc.) and plagiarism tools will be introduced in this course.

RPE 01: Module: I-Philosophy and Ethics

- Introduction to philosophy, Definition, nature and scope, concept, branches
- Ethics: Definition, moral philosophy, nature of moral judgments and reactions

RPE 02: Module: II-Scientific Conduct

- Ethics with respect to science and research
- Intellectual honesty and research integrity
- Scientific misconducts: falsification, fabrication and plagiarism (FFP)
- Redundant publications: duplicate and overlapping publications, salami slicing
- Selective reporting and misinterpretation of data

RPE 03: Module: III-Publication Ethics

- Publication ethics: definition, introduction, and importance
- Best practices/standards setting initiatives and guidelines: COPE, WAME, etc.
- Conflict of interest
- Publication misconduct: definition, concept, problems that related to unethical behavior and vice versa, types
- Violation of publication ethics, authorship and contributorship
- Identification of publication misconduct, complaints and appeals
- Predatory publishers and journals

PRACTICE PART

RPE 04:Module:IV-Open Access Publishing

- Open access publications and initiatives
- SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies
- Software tool to identify predatory publications developed by SPPU
- Journal finder/journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggester, etc.

RPE 05: Module: V-Publication Misconduct

A. Group discussion

- Subject specific ethical issues, FFP, authorship
- Conflict of interest
- Complaints and appeals: examples and fraud from India and abroad

B. Software tools

- Use of plagiarism software like Turnitin, Urkund, and other open source software tools

RPE 06: Module: VI- Databases and Research Metrics

A. Databases

- Indexing databases
- Citation databases: Web of Science, Scopus, etc

B. Research metrics

- Impact factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score
- Metrics: h-index, g index, i10 index, almetric

Reference list

1. Alexander M. Novikov & Dmitry A. Novikov, *Research Methodology: From Philosophy of Science to Research Design*, CRC Press Taylor & Francis Group, (2013).
2. C. R. Kothari, *Research Methodology: Methods and Techniques*, New Age International (P) Ltd., New Delhi (2004).
3. David Bridges, *Philosophy in Educational Research: Epistemology, Ethics, Politics and Quality*, Springer International Publishing AG (2017).
4. Deepak Chawla & Neena Sondhi, *Research Methodology: Concepts and Cases*, VIKAS PUBLISHING HOUSE PVT LTD, New Delhi (2015).
5. Paul Smeyers & Marc Depaepe, *Educational Research: Ethics, Social Justice, and Funding*
6. Peter Pruzan, *Research Methodology: The Aims, Practices and Ethics of Science*, Springer International Publishing Switzerland (2016).

7. Ranjit Kumar, *Research Methodology: a step-by-step guide for beginners*, SAGE Publications India Pvt Ltd, New Delhi (2011).
8. Richard Pring, *Philosophy of Educational Research*, Continuum, London (2000).
9. Robyn Brandenburg & Sharon McDonough, *Ethics, Self-Study Research Methodology*
10. S. K. Yadav, *Elements of Research Writing*, UDH Publishers and Distributers, New Delhi (2015).
11. Surbhi Jain, *Research Methodology in Arts, Science and Humanities*, Society Publishing, Oakville, Canada (2019).
12. Vinayak Bairagi and Mousami V. Munot, *Research Methodology A Practical and Scientific Approach*, CRC Press Taylor & Francis Group, New York, NY (2019).

Online resources

- [1] Research Ethics Timeline-National Patient Safety Agency:
<http://www.npsa.nhs.uk/EasysiteWeb/getresource.axd?AssetID=357&type=Full&servicetype=Attachment>
- [2] Research Ethics Timeline (1932-Present):
<https://www.niehs.nih.gov/research/resources/bioethics/timeline/index.cfm>
- [3] What is Ethics in Research & Why is It Important?:
<https://www.niehs.nih.gov/research/resources/bioethics/whatis/index.cfm>
- [4] Guidance for IRBs, Clinical Investigators, and Sponsors:
<https://www.fda.gov/downloads/regulatoryinformation/guidances/ucm328855.pdf>
- [5] Introduction to the Responsible Conduct of Research:
<https://ori.hhs.gov/sites/default/files/rcrintro.pdf>
- [6] Research ethics: How to Treat People Who Participate in Research:
https://bioethics.nih.gov/education/FNIH_BioethicsBrochure_WEB.PDF
- [7] Reporting guidelines for Main Study Types: <http://www.equator-network.org>
- [8] Best Practice Guidelines on Publication Ethics: a Publisher's Perspective:
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1804120/>
- [9] Promoting Research Integrity:
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1804120/#__sec12title
- [10] ARRIVE Guidelines: <https://www.nc3rs.org.uk/arrive-guidelines>
- [11] What are the 3Rs?: <https://www.nc3rs.org.uk/the-3rs>
- [12] A Brief Overview on Conflict of Interests: <https://ori.hhs.gov/plagiarism-35>
- [13] Author Responsibilities—Conflicts of Interest:

<http://www.icmje.org/recommendations/browse/roles-and-responsibilities/author-responsibilities--conflicts-of-interest.html>

[14] Research Data Management: Ethical Issues <http://libguides.ucd.ie/data/ethics>

[15] Defining the Role of Authors and Contributors:

<http://www.icmje.org/recommendations/browse/roles-and-responsibilities/defining-the-role-of-authors-and-contributors.html>

[16] Plagiarism: <https://ori.hhs.gov/plagiarism-3>

[17] 8 Most Common Types of Plagiarism to Stay Away from!:

<https://www.enago.com/academy/fraud-research-many-types-plagiarism/>

[18] Overlapping Publications: <http://www.icmje.org/recommendations/browse/publishing-and-editorial-issues/overlapping-publications.html>

[19] What to do if you suspect redundant (duplicate) publication:

https://publicationethics.org/files/u2/01B_Redundant_Published.pdf

[20] What to do if you suspect redundant (duplicate) publication:

https://publicationethics.org/files/u2/01A_Redundant_Submitted.pdf

[21] Redundancy, Publication Overlap, and Other Forms of Duplication:

<https://ori.hhs.gov/plagiarism-15>

[22] Definition of Research Misconduct: <https://ori.hhs.gov/definition-misconduct> [

23] Image Manipulation: <https://www.councilscienceeditors.org/wp-content/uploads/v30n6p185.pdf>

[24] Guidelines for Best Practices in Image Processing:

<https://ori.hhs.gov/education/products/RlandImages/guidelines/list.html>

[25] Questionable Practices:

<https://ori.hhs.gov/education/products/RlandImages/practices/default.html>

[26] Reproducible Science: <http://iai.asm.org/content/78/12/4972.full>

[27] Reproducible Research Can Still Be Wrong: Adopting a Prevention Approach:

<https://arxiv.org/ftp/arxiv/papers/1502/1502.03169.pdf>

SSSDCE01: Micro Specialisation

[Specialization opted by individual research scholar].