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 (Signature of Researcher)
 Dr. P. J. JACOB

Outline of:

Research Methodology: Course I (for all Social Sciences & Humanities)

The Course seeks to provide fundamentals of knowledge production in Social Sciences and Humanities, together with the social theory of processes, relations, systems, structures, worldviews, texts and histories, which help us understand what factors decide knowledge, how and when.

Every School/Department/Centre in the Campus and Centres in affiliated colleges/institutions offering Ph.D Research in any discipline under the Faculties connected with Social Science/Humanities/Management Studies/Law/Education shall follow the content of the Course as outlined hereunder.

Unit I

- a. Logical Preliminaries: The Indian Tradition: Elements of Indian Hermeneutics - Basics of *Upanishad*, *Nyāya*, and *Pramāṇa*
- b. Western Logical Preliminaries: Deduction - Induction - *A priori* - *A posteriori* Kantian Synthesis - Fact - Proof - Objectivity
- c. Hume's formulation of the problem of the justification of induction - Hempel's logic of confirmation - Kolmogorov's notion of probability - Carnap's inductive logic based on logical interpretation of probability - Goodman's riddle of induction - Limitations of a purely syntactical approach to confirmation Bayesian confirmation theory
- d. Theory of Knowledge: Recapitulation of the Preliminaries - Ontology Epistemology - Objectivist Epistemology and Contemporary Debates
- e. Writing Knowledge: Techniques of Exposition - How to write a Thesis - Conventions and Strategies of Authentication - Citation Style-sheet

Readings

- Radhakrishnan S. and Charles Moore, A., Ed. *A Source Book in Indian Philosophy*. Princeton: Princeton University Press, rpt., 1989.
- Sundar Sarukkai, *Indian Philosophy and Philosophy of Science*. Motilal Banarsidass Publishers Pvt. Ltd., New Delhi, second edn. 2008
- Popper, *Theory of Knowledge: Classic and Contemporary Readings*, 3rd edn. Wadsworth, 2003.
- Karl Popper, *The Problem of Induction*, London, 1953
- Karl Popper, *Objective Knowledge: An Evolutionary Approach*, Oxford: Oxford Univ. Press, 1972
- Lakatos, I. *Proofs and Refutations: The Logic of Mathematical Discovery*. Cambridge University Press, 1976
- Lakatos, I. *The Methodology of Scientific Research Programmes: Volume 1: Philosophical Papers*. Cambridge University Press, 1980
- Preyer, G./Siebel, F./Ulfig, A. *Language, Mind and Epistemology*. Dordrecht: Kluwer Academic Publishers, 1997
- Rand, Ayn. *Introduction to Objectivist Epistemology*, New York: Meridian, 1979

- Steup, Matthias. "Knowledge and Scepticism", *Contemporary Debates in Epistemology*. Peter Sosa and Matthias Steup (eds.), 1-13, 2005
- Tomberlin, James (ed.), *Philosophical Perspectives 13, Epistemology*, Blackwell Publishing, 1999
- John P. van Gigh. "Comparing the Epistemologies of Scientific Disciplines in Two Distinct Domains: Modern Physics versus Social Sciences". I & II, *Systems Research and Behavioural Science*. 19 Series, 465 & 466, 2002, pp.199-209 & 551-562, respectively
- Peter Sosa and Matthias Steup (ed.), *Contemporary Debates in Epistemology*, 2005
- Jacque Barzun and Henry F. Graff, *The Modern Researcher*, London, 1970
- Wayne C. Booth et.al. *The Craft of Research*, University of Chicago Press, rot, 2008

Unit II

- Knowledge and Social Construction of Reality - Knowledge as construct : Hegel and Durkheim
- Theory of Knowledge as Social Theory: Habermas - Bourdieu's theory of Reflexivity
- Scientific Knowledge Production - Logo-centrism, Certainty and Foundationalism - Subjectivist approach - Relativist approach - Rhetoric of Inquiry - Philosophy of Non-sciences and their Objects of Analysis that are Ontologically and Epistemologically subjective

Readings:

- Berger P. and T. Luckmann. *The Social Construction of Reality: A Treatise in the Sociology of Knowledge*. 1984. *953/- Penguin Books Ltd*
- Berger P. and Luckmann I. "Introduction." *The Social Construction of Reality*. 1984:13-30.
- Peter Winch. *Idea of a Social Science and Its Relation to Philosophy*. Routledge. London. 2007 *275/-*
- Karp, David A. et al. "Culture and the Organization of Everyday Life." *Sociology in Everyday Life*. 1993:5-36.
- McCarthy E. D. "Introduction". *Knowledge as Culture*, 1996:1-10. "What is Knowledge" pp 11-26 in McCarthy, *Op.cit* *Routledge - R. 3786/-*
- Mannheim K. "The Sociological Conception of Thought." *Ideology and Utopia*, 1. 1-5. *Routledge - 19,944/-*
- Schutz A. and T. Luckmann *The Structures of the Life World*. Vol I, 1973:243-331. *2293/-*
- Berger P., "Identity as a Problem in the Sociology of Knowledge" in Curtis et al. *The Sociology of Knowledge*. pp. 373-384. *worth west Univ Bond*
- Palmer D. D. "Michel Foucault". in *Structuralism and Poststructuralism for Beginners*. 1998: 87-122. *steer FOUR para R. 975/-*
- Walker T. *Knowledge and Reflexivity*. 1988: 55-79.
- Foucault, M. *The Archaeology of Knowledge*. Random House, 1972. *Routledge - 280/-*
- Foucault, M. "Truth and Power" in *Power/knowledge: Selected Interviews & Other Writings by Michel Foucault*. 1972-1977
- Bourdieu, P. *Outline of a Theory of Practice*. Cambridge University Press. 1977 (1972). *2340/-*

- Berger P., "Identity as a Problem in the Sociology of Knowledge" in Curtis *et al.* *The Sociology of Knowledge*, pp. 373-384.
- Palmer D. D., "Michel Foucault", in *Structuralism and Poststructuralism for Beginners*, 1998: 87-122.

Unit III

- a. Hegemony of Science Social Sciences and Humanities after Science for Legitimacy and Authenticity – Primacy of Scientific Knowledge – Objectivity and Finality about Knowledge as an Obsession of Non-sciences – Newtonian Foundation
- x b. Influence of New Science and Theories of Complexity – Objectivity Revisited – Science and Ideology – Feyerabend and Against Method – Towards Anti-foundationalism
- c. Knowledge and Ideology – Knowledge as Discourse – Forms of Truth Claims and Authentication Strategies – The Modern – Postmodern, the Structural – Poststructural, and the Colonial – Postcolonial Divides – Narration and Representation – Textuality and Inter-textuality
- d. Emerging New Epistemologies: Gender Studies and Environmental Studies – Impact of Gender Perspective on Social Sciences and Humanities – Impact of Ecological Perspective and Sustainability Science
- e. Epistemological collapse of disciplinary Approach. Interdisciplinary Approach as Convergence Research

Readings

- McCarthy E. D., "Engendered Knowledge," *Knowledge as Culture*, 1996: 85-105.
- Haraway D., "Situated Knowledge: The Science Question in Feminism and the Privilege of Partial Perspective" in Simians, Cyborgs, and Women: *The Reinvention of Nature*, 1991: 183-202.
- Wajcman, J. "Feminist Theories of Technology", in Jasanoff *et. al.* *Handbook of Science and Technology Studies*, 1995: 189-204.
- Keller E. F., "The Origin, and Politics of the Subject Called 'Gender and Science'", in *Handbook for Science and Technology Studies*, 1995.
- Martin E., "Body Narratives, Body Boundaries", in Grossberg (ed.) *Cultural Studies*, Pp. 409-423.
- Fox M. F., "Women and Scientific Careers", in *Handbook for Science and Technology Studies*, 1995: 205-224.
- Haraway D., "Teddy Bear Patriarchy", in *Primate Visions*, Routledge, London, 1989.
- Joseph Margolis, *Texts without References: Reconciling Science and Narrative*, Basil Blackwell, London, 2010