

**Syllabus for PG Course in Philosophy**  
**Department of Philosophy**  
**Presidency University**

**Presidency University**  
**Department of Philosophy**  
**Syllabus for PG Course in Philosophy**

## **Sem. 7**

<b>PHIL 0701: Indian Epistemology and Tarkavidya</b>	<b>15+35 Marks</b>
<b>PHIL 0702: Western Epistemology</b>	<b>15+35 Marks</b>
<b>PHIL 0703: Western Logic 1</b>	<b>15+35 Marks</b>
<b>PHIL 0704: Western Metaphysics</b>	<b>15+35 Marks</b>
<b>PHIL 0781: Sessional 1 -Presentation/seminar/work shop</b>	<b>50 Marks</b>

## **Sem. 8**

<b>PHIL 0801: Western Logic 2</b>	<b>15+35 Marks</b>
<b>PHIL 0802: Indian Metaphysics</b>	<b>15+35 Marks</b>
<b>PHIL 0803: Social and Political Philosophy</b>	<b>15+35 Marks</b>
<b>PHIL 0804: Western Ethics</b>	<b>15+35 Marks</b>
<b>PHIL 0881: Sessional 2- Presentation/seminar/work shop</b>	<b>50 Marks</b>

## **Sem. 9**

<b>PHIL 0901: Theories of Truth</b>	<b>15+35 Marks</b>
<b>PHIL 0902: The Linguistic Turn</b>	<b>15+35 Marks</b>
<b>PHIL 0903: Optional Courses</b>	<b>15+35 Marks</b>
<b>PHIL 0904: Optional Courses</b>	<b>15+35 Marks</b>
<b>PHIL 0981: Dissertation Writing Preliminary</b>	<b>50 Marks</b>

## **Sem. 10**

<b>PHIL 1001: Phenomenology and Existentialism</b>	<b>15+35 Marks</b>
<b>PHIL 1002: Modern Indian Thoughts</b>	<b>15+35 Marks</b>
<b>PHIL 1003: Optional Courses</b>	<b>15+35 Marks</b>
<b>PHIL 1004: Optional Courses</b>	<b>15+35 Marks</b>
<b>PHIL 1081: Dissertation Writing</b>	<b>50 Marks</b>

## **Optional Courses**

**PHIL 0903: Optional Courses** **15+35 Marks**

**0903A: PHIL 0903A: Applied Ethics 1 (Environmental Ethics)**

**0903B: Western Logic 1(Advanced Western Logic)**

**0903C: Philosophy of mind 1(Metaphysics of Mind)**

**0903D: Nyaya 1**

**0903 E: Philosophy of Science 1 (Introduction to Philosophy of Science)**

**PHIL 0904: Optional Courses** **15+35 Marks**

**0904A: PHIL 0903A: Applied Ethics 2 (Bio-Medical Ethics)**

**0904B: Western Logic 2 (Advanced Western Logic)**

**0904C: Philosophy of mind 2 (Representational Mind and Philosophy of Artificial Intelligence)**

**0904D: Nyaya 2**

**0904 E: Philosophy of Science 2 Philosophy of Science 2 (Traditional Objectivism)**

**PHIL 1003: Optional Courses**

**15+35 Marks**

**PHIL 1003A: Applied Ethics 3 (Professional Ethics)**

**PHIL 1003 B: Western Logic 3 (Advanced Western Logic)**

**PHIL 1003 C: Philosophy of mind 3 (Problems of Consciousness)**

**PHIL 1003 D: Nyaya 3**

**PHIL1003E: Philosophy of Science 3 (Modern Trends in the Methodology of Sciences)**

**PHIL 1004: Optional Courses**

**15+35 Marks**

**PHIL 1004A: Applied Ethics 4 (Business Ethics/ Ethics in Management)**

**PHIL 1004 B: Western Logic 4 (Advanced Western Logic)**

**PHIL 1004 C: Philosophy of mind 4 (Contemporary Issues in Philosophy of Mind)**

**PHIL 1004 D: Nyaya 4**

**PHIL1004E: Philosophy of Science 4 (Recent Trends in Philosophy of Science)**

## Semester 1

### PHIL 0701: Indian Epistemology and Tarkavidya (15+35 Marks)

#### Unit I

*Vedānta Paribhāṣā: Jñānagata and Viśayagata Pratyakṣatva.*

#### Unit II

*Vivaraṇa Prameya Saṁgraha: Akhyātivāda and its rejection by Vidyāraṇya Muni.*

#### Unit III

*Nyāya Sūtra of Gautama with Nyāya Bhāṣya: Clarification of the concept of *pramāṇa-samplava* and *pramāṇa-vyavasthā*; *pratyakṣa-lakṣaṇa* and the efficacy of its defining terms (*Nyāya Sūtra* 1.1.3, 1.1.4)*

#### Unit IV

*Tarkasaṁgraha-Dīpikā: Parataḥprāmāṇyavāda and Svataḥprāmāṇyavāda.*

*Bhāṣāpariccheda with Mukṭāvalī: Parataḥprāmāṇya-parīkṣā.*

#### Suggested Readings:

- Saha, S.R. (2003) *Epistemology in Prachina and Navya Nyaya*, Kolkata: Jadavpur University.
- Bagchi, Jogendranath *Nyaya O Mimamsa-sammata Pramanyavicara*, Kolkata: Sanskrit Pustak Bhandar.
- Phanibhushan Tarkavagish (2003) *Nyaya Darshan (Vol.1)*, Kolkata: Pashchimbanga Rajya Pustak Parsat.
- Dharmarāja-Adhvarīndra (1971) *Vedānta Paribhāṣā* (Edited and Annotated in Bengali by Panchanan Sastri), Kolkata: Sanskrit Pustak Bhandar.
- Gopinath Bhattacharya and Prabal Kumar Sen (2013) *Vedānta Paribhāṣā of Dharmaraja-adhvarindra (Part I)*, Kolkata: University of Calcutta.
- Dharmarāja-Adhvarīndra *Vedānta Paribhāṣā*, Translated in Bengali by Pandit Srimohan Tarkavedantatirtha.

- Dharmarājādhvarīndra (1903) *Vedānta Paribhāṣā*, Edited and revised with Peddā Dīkṣita's Commentary *Prakāśikā* by K. Śāmbaśiva Śāstrī, Trivandram: Government of Her Highness the Maharani Regent of Travancore.
- Dharmarājādhvarīndra (1942) *Vedānta Paribhāṣā*, Edited with an English translation by S. S. Suryanarayan Sastri, Adyar: Madras: The Adyar Library.
- Annambhaṭṭa (1974) *Tarkasaṃgraha* with *Dīpikā Tikā* and *Nyāyabodhini*, Translated and Edited with notes in English by M.R. Bodas & Y.V. Athalye, Bhandarkar Oriental Research Institute.
- Kuppaswami Shastri (1951) *A Primer of Indian Logic*, Kuppaswami Shastri Research Institute.
- Annambhaṭṭa *Tarkasaṃgraha* with *Dīpikā Tikā*, Translated and Annotated in Bengali by Pancanan Shastri, Kolkata: Sanskrit Pustak Bhandar.
- Annambhaṭṭa (1984) *Tarkasaṃgraha* with *Dīpikā Tikā*, Translated and Annotated in Bengali by Narayan Chandra Goswami, Kolkata: Sanskrit Pustak Bhandar.
- Annambhaṭṭa (1983) *Tarkasaṃgraha* with *Dīpikā Tikā*, Translated and Annotated in Bengali by Indira Mukhopadhyay, Gopinath Bhattacharya, Kolkata: Progressive Publishers.
- Viśvanātha (1947) *Bhāṣāpariccheda*, Translated and elucidated with an explanation on Viśvanātha's commentary *Nyāyasiddhāntamuktāvalī* named *Muktāvalīsaṃgraha* by Panchanan Bhattacharya, Kolkata: Sanskrit Pustak Bhandar.
- Viśvanātha (1988) *Kārikāvalī*, Edited with footnotes and Commentaries *Muktāvalī*, *Dinakarī* and *Rāmarudrī* by Atmaram Narayana Jere, Varanasi: Krishnadas Academy.
- Vidyāraṇya Muni (1936) *Vivaraṇa Prameya Saṃgraha*, Translated in Bengali by Pramathanath Tarkabhushan, Kolkata: Vasumati Sahitya Mandir.
- Vidyāraṇya Muni (1927) *Vivaraṇa Prameya Saṃgraha*, Translated and Elucidated in Hindi by Sri Lalita Prasad Ubral, Edited by Sri Chandiprasad Shukla and Sri Krishnapanta Shastri, Kashi: Acyutmala Karyalaya.
- Matilal, B.K. (1986) *Perception: An Essay on Classical Indian Theories*, Oxford: Clarendon Press.
- Das, G.P., (1986), *Vedantaparibhasa: An Analytical Study*, Anu Books, Meerut.

**Semester 1**  
**PHIL 0702 Western Epistemology (15+35 Marks)**

**Unit I: The Value of Knowledge (Plato's *Meno* & *Theaetetus*)**

1. What is Knowledge?
2. Difference between *episteme* and *doxa*
5. The Sources of Knowledge:- Perception  
- Testimony and Memory  
-Rationality and Justification

**Unit II: Kantian and Post Kantian Epistemology**

1. Kant's *Critique of Pure Reason*  
(From Introduction to Transcendental Deduction of the Pure Concepts of the Understanding)
2. Hegel's Critique of Kantian Epistemology

**Unit III: Issues in Contemporary Epistemology**

1. Definition and Nature of Knowledge
2. Gettier Problem
3. Chisholm's Response to Gettier Problem
4. Theories of Justification( Foundationalism, Coherentism, Reliabilism)
5. Scepticism and the Possibility of Knowledge(Various kinds of Scepticism)
6. Some Response to Scepticism: Contextualism, Epistemological Disjunctivism, Neo-Mooreanism

**Suggested Readings:**

- Allison, Henry E. (2004) *Kant's Transcendental Idealism: An Interpretation and Defense*, Revised and Enlarged Edition, New heaven: Yale University Press.
- Ayer, A.J. (1956) *The Problem of Knowledge*, London: Macmillan.
- Alston, W. P. (1989) *Epistemic Justification: Essays in the Theory of Knowledge*, Ithaca: Cornell University Press.
- Basu, Sandhya (2009) *Kant's Theory of Knowledge*, Kolkata: Papyrus.

- Basu, Sandhya (2003) *Justification: Concepts and Theories*, Kolkata: Progressive Publishers.
- Broad, C.D. (1978) *Kant: An Introduction*, Cambridge: Cambridge University Press.
- Chisholm, R. (1989) *Theory of Knowledge*, 3rd Edition, N.J.: Prentice-Hall.
- Das, Rasvihary (1958) *A Handbook to Kant's Critique*, Kolkata: Progressive Publishers.
- Dancy, J. (1985) *Introduction to Contemporary Epistemology*, USA: Blackwell.
- Dancy J., Sosa E. and Steup M. (Editors) (1992) *A Companion to Epistemology*, Second Edition, Wiley-Blackwell.
- Guyer, P. (2014) *Kant*, Second Edition, Routledge, London and New York: Routledge.
- Gardner, Sebastian (1999) *Routledge Philosophy Guidebook to Kant and the Critique of Pure Reason*, London and New York: Routledge.
- Kant, Immanuel (2007) (1781) *Critique of Pure Reason*, Revised Edition, Translated by N.K. Smith, Palgrave MacMillan.
- Korner, Stephen (1955) *Kant*, Reprint Edition, Penguin Books.
- McDowell, John (1998) *Meaning, Knowledge and Reality*, Cambridge, Mass.: Harvard University Press, 1998.
  1. Paton, H.J. (2002) *Kant's Metaphysics of Experience*, London: Routledge.
- Pollock, J.L. (1999) *Contemporary Theories of Knowledge*, Boston: Rowman & Littlefield Publishers Inc.
- Pritchard, Duncan (2005) *Epistemic Luck*, Oxford: Oxford University Press.
- Pritchard, D. H., (2013, ) *What is This Thing Called Knowledge?* Third edition Routledge, London.
- Parrin, P. (ed.), (1994), *Kant and Contemporary Epistemology*, Kluwer Academic Publisher, London.
- Sosa, Ernest (2017) *Epistemology*, Princeton, Oxford: Princeton University Press.
- Unger, P. (1975) *Ignorance: A Case for Scepticism*, Oxford: Clarendon Press.
- Lehrer, K. (1990) *Theory of Knowledge*, London: Routledge.

**Semester 1**  
**PHIL 0703: Western Logic 1 (15+35 Marks)**

**Unit I**

Intuitive Set Theory

1. Definition
2. Basic Operations
3. Set Identities
4. Relations
5. Properties of Relations

**Unit II**

Copi's Proof Construction Technique

1. Quantification Theory
2. Multiply-General Propositions
3. Techniques of Symbolisation
4. Quantification Rules
5. Proof Construction
6. Logical Truths Involving Quantifiers

**Unit III**

Proving Invalidity

**Suggested Readings:**

- Copi I. M. (1979) *Symbolic Logic*, 5th edition, Delhi: Pearson Prentice Hall.
- Suppes P. (1999) *Introduction to Logic*, Dover Publications Inc. (Ch.9)
- Basson A. H. and O'Connor D. J. (1960) *Introduction to Symbolic Logic*, USA: The Free Press, a Corporation.
- Klenk Virginia (2008) *Understanding Symbolic Logic*, Pearson Prentice Hall,.
- Das Ramaprasad, *Sanktetik Yuktivijnan (Vakyakalan O Vidheyakalan)*.
- Das Ramaprasad, *Yukhtivaijnanik Paddhati*.
- Das Ramaprasad o Bhattacharya Subirranjan, *Samsad Yuktivijnan Abhidhan*.
- Eberle Rolf (1996) *Logic and Proof technique*, New Central Book Agency.

**Semester 1**  
**PHIL 0704: Paper 20 Western Metaphysics (15+35 Marks)**

**Unit I**

- a) Aristotle's Metaphysics (Scope of Metaphysics, Cause, Substance)  
Recommended Text: *Aristotle's Metaphysics*, ed. & tr. J. Warrington. London: Dent, 1961.

**Unit II**

- a) Freewill, Self, Person

**Unit III**

- a) Descriptive Vs. Revisionary Metaphysics (P. F. Strawson)

**Suggested Readings:**

- Ross, W.D. (2004) *Aristotle*, New York: Routledge
- Barnes, Jonathan. (ed.), (1984) *The Complete Works of Aristotle Vol-2*, New Jersey: Princeton University Press
- Ackrill, J.L. (ed.), (1987) *A New Aristotle Reader*, New Jersey: Princeton University Press
- Wiggins, David. (1980) *Sameness and Substance*, Oxford: Blackwell
- Wiggins, David. (2001) *Sameness and Substance: Renewed*, Cambridge: Cambridge University Press
- Armstrong, D.M. (1978) *Nominalism and Realism: Universals and Scientific Realism, vol. 1*, Cambridge: Cambridge University Press
- Armstrong, D.M. (1989) *Universals: An Opinionated Introduction*, Colorado: Westview Press
- Williams, D.C. (1953) "On the Elements of Being" 1&2 in *Review of Metaphysics* 7, pp. 3-18 and 171-92
- Martin, C.B. (1980) "Substance Substantiated" in *Austrasian Journal of Philosophy* 58, pp. 3-10
- Campbell, K. (1990) *Abstract Particulars*, Oxford: Blackwell
- Hamlyn, D.W. (1984) *Metaphysics*, Cambridge: Cambridge University Press
- Descartes, R. (1976) *Meditations*, F.E. Sutcliffe(trans.), Oxford University Press

- Curley, E.M. (1978)*Descartes against the Sceptics*, Oxford: Basil Blackwell
- Cottingham, John. (1986)*Descartes*, Oxford: Basil Blackwell
- Williams, B. (1978)*Descartes: The Project of Pure Inquiry*, Sussex: Harvester Press
- Hales, David (ed.), (1999)*Metaphysics: Contemporary Readings*, California: Wadsworth Publishing
- Strawson, P. F. (1959)*Individuals*, London: Methuen & Co.
- Grayling, A.C. (ed.), (1995)*Philosophy Volume 1*, Oxford: Oxford University Press
- Loux, Michael J, (ed.), (2006)*Metaphysics: A Contemporary Introduction*, New York and London: Routledge
- Armstrong, David. (1989)*Universals: An Opinionated Introduction*, Boulder, CO: Westview
- Baker, Lynne Rudder. (2000)*Persons and Bodies: A Constitution View*, Cambridge: Cambridge University Press
- Ginet, Carl. (1990)*On Action*, Cambridge: Cambridge University Press
- Pradhan, R. C., (2011), *Metaphysics Vs. Metaphysics*, New Delhi.
- Strawson, P.F. (1992) *Analysis and Metaphysics: An Introduction to Philosophy*, Oxford: Oxford University Press
- Strawson, P.F. (2011)*Philosophical Writings*, Oxford: Oxford University Press
- Williams, B. (1973) “Strawson on Individuals” reprinted in *Problems of the Self*, Cambridge: Cambridge University Press
- Sen, P. K., & Varma R. R., (eds.), (1995) *The Philosophy of P. F. Strawson*, New Delhi: Indian Council of Philosophical Research
- Cassam, Quassim (ed.) (1994) *Self – Knowledge*, Oxford: Oxford University Press
- Shoemaker, S. & Swinburn, R. (1984) *Personal Identity*, Oxford: Basil Blackwell
- Williams, B. (1973) *Problems of the Self*, Cambridge University Press
- Parfit, Derek. (1984) *Reasons and Persons*, Oxford: Clarendon Press
- Watson, Gary (ed.) (2003) *Free Will (Second Edition)*, Oxford: Oxford University Press
- Bilgrami, Akeel. (1998) ‘Self Knowledge and Resentment’, in *Knowing our Own Minds*, (eds.) Wright, C., Smith, B.C & Macdonald C., Oxford: Clarendon Press

**Semester 1**

**PHIL 0781: Sessional Paper 1 Writing/ Presentation/seminar/work shop (50 Marks)**

**Semester 2**  
**PHIL 0801: Western Logic 2 (15+35 Marks)**

**Unit I**

Truth-tree method

1. Rules
2. Techniques of Symbolisation
3. Testing Arguments using Truth-tree method
4. Applying Tree rules to Propositional Logic
5. Applying Tree rules to Quantification Theory (involving singly general proposition)

**Unit II**

Copi's Logic of relations

1. Symbolising relations
2. Arguments involving relations
3. Proof Construction involving relations

**Unit III**

Problem of Entailment

1. Bertrand Russell
2. C.I. Lewis
3. P. F. Strawson

**Suggested Readings:**

- Jeffery R. (2006) *Formal Logic-Its scope and Limits*, Hackett Publishing Co. (Ch.4)
- Copi I. M. (1979) *Symbolic Logic*, 5th edition, Delhi: Pearson Prentice Hall.
- Basson A. H. and O'Connor D. J. (1960) *Introduction to Symbolic Logic*, USA: The Free Press, a Corporation.
- Klenk Virginia (2008) *Understanding Symbolic Logic*, Pearson Prentice Hall,.
- Das Ramaprasad, *Sanktetik Yuktivijnan (Vakyakalan O Vidheyakalan)*.
- Das Ramaprasad, *Yukhtivaijnanik Paddhati*.
- Das Ramaprasad o Bhattacharya Subirranjan, *Samsad Yuktivijnan Abhidhan*.
- Eberle Rolf (1996) *Logic and Proof technique*, New Central Book Agency.
- Whitehead Alfred North and Russell Bertrand (1910) *Principia Mathematica*, Cambridge University Press, Volume I.
- Russell Bertrand (1903) *The Principles of Mathematics*, London: Routledge.
- Lewis C. I. and Langford C. H. (1932) *Symbolic Logic*, New York and London: The Century Co.
- Lewis C. I., (1918) *A Survey of Symbolic Logic*, Berkeley University of California Press.
- Strawson P.F., (1952) *Introduction To Logical Theory*, Methuen & Co Ltd

**Semester 2**  
**PHIL 0802: Indian Metaphysics (15+35 Marks)**

**Unit I**

*Padārtha Dharma Saṁgraha: Sādharmya and Vaidharmya of the Seven Categories (Padārthas), and Ordering (krama) of categories.*

**Unit II**

*Sāṁkhya Kārikā with Sāṁkhya-tattvakaumudī: Satkāryavāda (Kārikā 9)*

**Unit III**

*Vedānta Paribhāṣā: Selections from Viśaya-pariccheda - Svarūpa and Taṭastha Lakṣaṇa of Brahman.*

**Suggested Readings:**

- Praśastapādācārya *Praśastapādābhāṣya with Śrīdharaśācārya's Nyayakandali* (translated and annotated in Bengali by Shyamapada Mishra and Damodara Ashrama), Kolkata: Sanskrit Pustak Bhandar.
- Īśvarakṛṣṇa (1988) *Samkhyakarika with Vācaspati Miśra's Samkhya-tattvakaumudi* (translated and annotated in Bengali by Narayan Goswami), Kolkata: Sanskrit Pustak Bhandar.
- Dharmarāja-Adhvarīndra (1971) *Vedānta Paribhāṣā* (Edited and Annotated in Bengali by Panchanan Sastri), Kolkata: Sanskrit Pustak Bhandar.
- Gopinath Bhattacharya and Prabal Kumar Sen (2013) *Vedānta Paribhāṣā of Dharmaraja-adhvarindra (Part I)*, Kolkata: University of Calcutta.
- Dharmarāja-Adhvarīndra *Vedānta Paribhāṣā* (Translated in Bengali by Pandit Srimohan Tarkavedantatirtha).
- Dharmarāja-Adhvarīndra *Vedānta Paribhāṣā* (with *Paribhāṣā-Saṁgraha Tīkā* of Panchanan Sastri).
- Dharmarājādharīndra (1903) *Vedānta Paribhāṣā*, Edited and revised with Peddā Dīkṣita's Commentary *Prakāśikā* by K. Śāmbaśiva Śāstrī, Trivandram: Government of Her Highness the Maharani Regent of Travancore.
- Dharmarājādharīndra (1942) *Vedānta Paribhāṣā*, Edited with an English translation by S. S. Suryanarayan Sastri, Adyar: Madras: The Adyar Library.
- Jogendranath Bagchi *Sāṁkhyamata Samīkṣā*, Darsan Samaj Trust.

- Sinha, J.N. (1999) *Indian Realism*, Delhi: Motilal Banarasidass,.
- Harsh Narain (1976) *Evolution of the Nyāya-Vaiśeṣika Categoriology*, Bharati Prakashan.
- Sadananda Bhaduri (1946) *Studies in Nyāya-Vaiśeṣika Metaphysics*, Poona: Bhandarkar Oriental Research Institute.
- Gopinath Bhattacharya (1989) *Essays in Analytic Philosophy*, Kolkata: Sanskrit Pustak Bhandar.
- Das, G.P. (1986) *Vedantaparibhasa: An Analytical Study*, Anu Books, Meerut.

**Semester 2**  
**PHIL 0803: Social and Political Philosophy (15+35 Marks)**

1. Nature and Scope of Social and Political Philosophy
2. Formation of society
3. Authority and Individual
4. .On Liberty-J.S. Mill (Introduction, Ch.1)
5. Marxian Concept of Class and Class Struggle.
6. Liberalism and its Problem.
7. Marxist response to Liberalism
8. Hegel's Concept of Ethical Life
9. Indian perspectives on state and society
10. Arthashastra: (a) State and its constituent elements (b) Rajadharma

**Suggested Readings:**

- Mill, John Stuart. (1859) *On Liberty*, Peterborough, Canada: Broadview Press, 1999.
- Sen, Amartya, and Bernard Williams (eds.)(1982) *Utilitarianism and Beyond*. Cambridge: Cambridge Univ. Press.
- Aptheker, H. (1969) *The Nature of Democracy, Freedom and Revolution* (Ch.3),, NY:International Publishers.
- *Kautilya:Arthashastra*- L.N. Rangarajan ( Tr.),1992, Delhi, Penguin Books
- *Mahabharatam(Santiparva)with bharatbhavadeep tika*, Haridas Siddhantabagish *Bhattacharya(ed)*, Biswavanee Prakasanee
- Paley, William (1785) *The Principles of Moral and Political Philosophy*. Indianapolis: Liberty Press, 2002.
- Wood, A(ed.) and translated by H.B. Nisbet (1991) *Elements of the Philosophy of Right*, Cambridge: Cambridge University Press.

**Semester 2**  
**PHIL 0804: Western Ethics (15+35 Marks)**

**Unit I**

Groundwork of the Metaphysic of Morals-Kant (Selected portions)

**Unit II**

Some ethical issues:

- i) Virtue ethics: Plato, Aristotle and Stoics
- ii) Utilitarianism: Bentham, Mill and Later Developments
- iii) Rights, justice and capability

**Suggested Readings:**

- David, B.(2000) *Aristotle's Ethics*, Oxford University Press, UK
- Kant, I. *Groundwork of the Metaphysic of Morals* (1785)Translated by H.J. Paton Happer in 1948 Torchbooks, New York
- Allen, W. (2007) *Kantian Ethics*, Cambridge University Press
- Aune, B. (1980) *Kant's Theory of Morals*, Princeton University Press
- Hudson, W.D. (1983) *Modern Moral Philosophy*, Palgrave McMillan
- Foot, P. (Reprint edition 2003) *Virtues and Vices* Clarendon Press
- Mackie, J. L. *Ethics: Inventing Right and Wrong*, Penguin Books
- Feldman, F. (1978) *Introductory Ethics*, Prentice Hall
- Williams, B. & Smart, J.J. (1973) *Utilitarianism: For and Against*, Cambridge University Press
- Sterba, James P. (1998) *Ethics: The Big Questions*, Blackwell, USA
- *A Theory of Justice* Rawls, J. (second edition 1999), Harvard University, Cambridge
- Freeman, S. (ed.2002) *Cambridge Companion to Rawls*, Cambridge University Press
- Sen, A.(1995) *Inequality Reexamined* , Harvard University Press
- Hursthouse, R. (2002) *Virtue Ethics*, Oxford University Press
- Jowett, B. (2014) *The Dialogues of Plato, Volume One*, Create Space Independent Publishing Platform
- Aristotle (Tr. David Ross 1925) *The Nicomachean Ethics* Oxford University Press, Oxford
- Hume, D. (2018) *An Enquiry Concerning the Principles of Morals*, A & D Publishing
- Slote , M. (2001), *Morals from Motives*, Oxford University Press, Oxford

- Swanton, C. (2003) *Virtue Ethics: A Pluralistic View*, Oxford University Press
- Sen, A & Williams, B. (Ed. 1982) *Utilitarianism and Beyond*, Cambridge University Press
- Amartya, S. (2011) *The Idea of Justice*, Harvard University Press
- Sen, A. (1993) “Capability and Wellbeing” *The Quality of Life* Edited by M. Nussbaum and Amartya Sen, Oxford Clarendon Press, New York

**Semester 2**

**PHIL 0881: Sessional Paper 2 Writing/ Presentation/seminar/work shop (50 Marks)**

**Semester 3**  
**PHIL 0901: Theories of Truth (15+35 Marks)**

**Unit I: Introduction to theories of truth**

1. Truth as a fundamental concept in Philosophical discourse
2. Important questions regarding truth

**Unit II: Correspondence theory**

1. Russell's correspondence theory of truth
2. Moore's correspondence theory of truth
3. Problems with correspondence theory of truth

**Unit III: Coherence theory**

1. Blanshard's coherence theory of truth
2. Davidson's theory of truth
3. Problems with coherence theory of truth

**Unit IV: Pragmatic theory**

1. William James' pragmatic theory of truth
2. C. S. Pierce's pragmatic theory of truth

**Unit V: Some Contemporary Debates**

1. Tarski's semantic conception of truth
2. The debate between Davidson and Rorty

**Suggested Readings:**

- Blackburn, Simon and Simmons Keith (Editors)(1999), *Truth*, Oxford: Oxford University Press.
- James, William (1909), *The Meaning of Truth, A Sequel to 'Pragmatism'*, New York: Longmans, Green, and Company.
- Kirkham, Richard L. (1992), *Theories of Truth: A Critical Introduction*, Cambridge, MA: MIT Press.
- Tarski, Alfred (1944), "The Semantic Conception of Truth and the Foundations of Semantics", *Philosophy and Phenomenological Research* Vol.4 No. 3.
- Woozley, A. D., (1949), *Theory of Knowledge: An Introduction*, Hutchinsone University Library, London.

**Semester 3**  
**PHIL0902: The Linguistic Turn (15+35 Marks)**

**Unit I: Introduction to Linguistic Turn**

1. Motivation for Linguistic Turn in Philosophy.
2. Problem of Meaning.

**Unit II: Problem of Reference**

1. Frege's theory of Sense and Reference
2. Russell's theory of Descriptions.
3. Strawson's Theory of Meaning.
4. Moore's view on Existence as Predicate

**Unit III: Indeterminacy of Translation**

1. Quine's Critic against Analytic-Synthetic Distinction

**Unit IV: Logic-Language and Reality**

1. Wittgenstein's *Tractatus* ( up to the proposition Two with all its commentaries )

**Suggested Readings:**

- Russell, B. (1919) *Introduction to Mathematical Philosophy*, London: George Allen and Unwin; New York: The Macmillan Company..
- Landini, G. (2011) *Russell*, London and New York: Routledge..
- *Classics of Analytic Philosophy*- R. Ammerman,(ed.)Tata-McGraw- Hill Publishing Company, Delhi-Bombay, 1965
- Wittgenstein, L, (1921), *Tractatus Logico Philosophicus* (tr. D.F. Pears & B.F. McGuinness) London: Routledge & Keganpaul
- Pitcher, G. (1964) *The Philosophy of Wittgenstein*, N.J: Englewood Cliffs, 1964.
- Geach, P and Max Black (eds.) (1996) 'On Sense and reference' in translations from *Philosophical Writings of Gottlob Frege-*, Oxford: Basil Blackwell.
- Quine, W. V. O. (1951), "Two Dogmas of Empiricism", *Philosophical Review*, 60: 20–43.

- Moore, G. E. (1936) 'Is Existence a Predicate?', in *G. E. Moore: Selected Writings* (T Baldwin Ed), Routledge, London, 1993
- Passmore, J. (1917) *A Hundred Years of Philosophy*, Penguin
- Passmore, J. (1985) *Recent Philosophers*, Open Court Publishing Co.
- Russell, B. (2009) *The Philosophy of Logical Atomism*, with Introduction by Davis Pears, Routledge.

**Optional Paper**  
**Semester 3**  
**PHIL 0903A: Applied Ethics 1 (Environmental Ethics) (15+35 Marks)**

**Indian Perspective**

**Unit I**

- a) The significance of Indian traditions in environmental ethics.
- b) Environmental issues in India.
- c) Eco-feminism.
- d) Tagore's concept of ecological harmony

**Western perspective**

**Unit II**

- a) Environmental Ethics and Human Ethics
- b) Land Ethics
- c) Umbrella Ethics
- d) Ethical assessment of Environmental Crisis

**Unit III**

- a) Bio-diversity
- b) Deep Ecology
- c) Anthropocentrism

**Unit IV**

- a) Man and Nature
- b) Man's appreciation of nature
- c) Reverence for life

**Suggested Readings:**

- Gadgil, Madhav. (1999) "The Indian Heritage of a Conservation Ethic" in James, G.A. (ed.) *Ethical Perspectives on Environmental Issues in India*, New Delhi: APH Publishing Corpn.
- Chakraborty, N.N. (2009) "Ethics in Indian Attitude towards Nature: Organic and Inorganic" in Prasad, Rajendra (ed.) *Historical-Developmental Study of Classical Indian Philosophy of Morals*, History of Science, Philosophy and Culture in Indian Civilisation, Vol. XII, Part 2, New Delhi: Concept Publishing Company
- Shiva, Vandana. (1999) "Women in the Forest" in James, G.A. (ed.) *Ethical Perspectives on Environmental Issues in India*, New Delhi: APH Publishing Corpn.

- Tagore, R.N. (1921) *Sadhana*, Leipzig: Bernhard Tauchnitz
- Guha, Ramachandra. (1999) “Radical American Environmentalism and Wilderness Preservation: A Third World Critique” in James, G.A. (ed.) *Ethical Perspectives on Environmental Issues in India*, New Delhi: APH Publishing Corpn.
- Rolston, Holmes III. (2001) “Bio-diversity” in Jamison, D. (ed.) *A Companion to Environmental Philosophy*, UK: Blackwell Publishing
- Singer, Peter. (2001) “Animals” in Jamison, D. (ed.) *A Companion to Environmental Philosophy*, UK: Blackwell Publishing
- Wilson, Edward. (1992) *The Diversity of Life*, Cambridge MA: Harvard University Press
- Taylor, Paul. (1986) *Respect for Nature*, New Jersey: Princeton University Press
- Singer, Peter. (1990) *Animal Liberation*, New York: New York Review of Books
- Regan, Tom. (1992b) “Does environmental ethics rest on a mistake?” *The Monist* 75, pp. 161-82
- Carlson, Allen. (1998) “Aesthetics Appreciation of Nature” Craig, Edward (ed.) *Routledge Encyclopaedia of Philosophy*, Vol. 6, London: Routledge, pp. 731-735
- Prasad, Rajendra. (ed.) (2009) *A Historical-developmental Study of Classical Indian Philosophy of Morals*, New Delhi: Concept Publishing Company
- Singer, Peter. (1999) *Practical Ethics*, UK: Cambridge University press
- Singer, Peter. (1986) *Applied Ethics*, USA: Oxford University Press
- Singer, Peter. (1993) *A Blackwell Companion To Ethics*, UK: John Wiley and Sons Limited
- Leopold, Aldo. (1949) *A Sand County Almanac*, New York: Oxford University Press
- Passmore, J. (1974) *Man’s Responsibility for Nature*, London: Duckworth
- Blender, F.L. (2003) *The Culture of Extinction Toward a Philosophy of Deep Ecology*, New York: Humanity Books
- Jamison, D. (ed.) (2001) *A Companion to Environmental Philosophy*, UK: Blackwell
- Nanda, Ved. P. (ed.) (2013) *Climate Change and Environmental Ethics*, New Brunswick, New Jersey: Transaction Publishers

- Bilimoria, P. (1998) "Indian Religious Traditions". In David E Cooper and Joy A Palmer (eds.) *Spirit of the Environment: Religion, Value and Environmental Concern*. London and New York: Routledge.
- Dasgupta, P. and Maler, G. (eds.) (1997) *The Environment and Emerging Development Issues*, Vol. I, Oxford University Press.
- Guha, R. (2006) "Mahatama Gandhi and Environmental Movement," *Debating on Gandhi*, in A. Raghuramaraju (ed.), New Delhi: Oxford University Press.
- Guha, R. and Gadgil, M. (1995) *Ecology and Equity: The Use and Abuse of Nature in Contemporary India*, New Delhi: Penguin.
- James, G. A. (1999) *Ethical Perspectives on environmental Issues in India*, A.P.H. Publishing Corporation, New Delhi.
- Joseph R. Des Jardins, (2001) *Environmental Ethics: An Introduction To Environmental Philosophy*, Third Edition, Wadsworth Publishing Co., San Francisco, California.
- Leopold, A (1989) *A Sand County Almanac*, Oxford University Press, (Special Commemorative Edition).
- Naess, A. and Sessions G. (1984) "Basic Principles of Deep Ecology," *Ecophilosophy*, Vol.6.

**Optional Paper  
Semester 3**

**PHIL 0904A Applied Ethics 2 (Bio-Medical Ethics) (15+35 Marks)**

**Unit I: Bio-Medical Ethics from Indian Perspectives**

Basic ethical concepts available in *Caraka* and *Susruta*

**Unit II: Fundamentals of Medical Ethics following Hippocratic School**

Duties of Medical Practitioners, Doctor-Patient Relationship, professional negligence, products liability, malingering, human experimentation

**Unit III: Ethics in Human Experiments**

Ethics of cloning, bio-technology, surrogacy, issues related to the beginning of life and the end of life, organ transplantation.

**Suggested Readings:**

- P. Roy and H.N. Gupta (1965) *Caraka Samhita (A Scientific Synopsis)*, International Science Academy, New Delhi
- P. Roy, H.N. Gupta and Mira Roy (1965) *Susruta Samhita (A Scientific Synopsis)*, International Science Academy, New Delhi
- Dr. K.S. Narayanan Reddy (2017) *The Essentials of Forensic Medicine and Toxicology* (Ch.3 'Medical Law and Ethics'), Hyderabad
- Talbott, M. (2012) *Bioethics: An Introduction*, Cambridge University Press.
- Tom. L. Beauchamp, & J.F. Childress (1994) *Principles of Biomedical Ethics*, Oxford University Press, USA
- Glannon, W. (2005) *Biomedical Ethics*, Oxford University Press, New York.
- Buchanan, A. (1984) "The Right to a Decent Minimum Health Care", *Philosophy and Public Affairs* 13, pp. 55-78.
- McKerlie, D., (2002) "Justice between the Young and the Old", *Philosophy and Public Affairs* 30, pp. 152-177.

- Parfit, D. (2000) “ Equality or Priority”, In *The Ideal of Equality*, edited by M. Clayton and A. Williams, pp. 81-125, St. Martin Press, New York.
- Rawls, J. A. (1971) *A Theory of Justice*, Harvard University Press, Cambridge.
- Veatch, R. (2000) *Transplantation Ethics*, Georgetown University Press, Washington D. C.

**Optional Paper  
Semester 3**

**PHIL 0903 B: Western Logic 1(Advanced Western Logic) (15+35 Marks)**

*Symbolic Logic*-I.M. Copi, chapter 5, up to section 5.4

**Unit I**

1. Symbolising relations
2. Some attributes of relation
3. Enthymeme
4. Formal proof of validity involving Enthymeme

**Unit II**

1. Identity
2. Symbolising Identity
3. Rules of Identity
4. Arguments and formal proofs involving Identity and Definite Description

**Unit III**

Entailment and Relevance Logic

**Suggested Readings:**

- Copi I. M. (1979) *Symbolic Logic*, 5th edition, Delhi: Pearson Prentice Hall.
- Haack Susan (1978) *Philosophy of Logics*, London: Cambridge University Press.
- Strawson P.F. (1976) *An Introduction to Logical Theory*, Bombay: B.I. Publications.
- Basson A. H. and O'Connor D. J., (1960), *Introduction to Symbolic Logic*, USA: The Free Press, a Corporation.
- Klenk Virginia, (2008) *Understanding Symbolic Logic*, Pearson Prentice Hall.
- Eberle Rolf , (1996) *Logic and Proof technique*, New Central Book Agency.
- Sen P.K., (1980) 'The Problem of Entailment' in *Jadavpur Studies in Philosophy*, vol. 2, MacMillan India, Madras.
- Anderson Alan R. and Belnap Nuel D., Jr., (1975) *Entailment: The Logic of Relevance and Necessity*, vol. I, Princeton University Press.
- Anderson Alan R. and Belnap Nuel D., Jr., (1992) *Entailment: The Logic of Relevance and Necessity*, vol. II, Princeton University Press.
- Read Stephen (1989) *Relevant Logic: A Philosophical Examination of the Basis of Inference*, Basil Blackwell.

**Optional Paper  
Semester 3**

**PHIL 0904 B: Western Logic 2 (Advanced Western Logic) (15+35 Marks)**

**Unit I**

1. Formal Propositional Calculus
2. PM: Basic requirements of PM System
3. Necessary conditions for PM System
4. Axioms
5. Theorems
6. Proof construction of theorems in PM System

**Unit II**

Metalogic

1. Some basic concepts of Metalogic
2. Logical Notion of validity
3. Syntactic validity
4. Semantic validity

**Unit III**

1. Consistency of PM system
2. Syntactic Completeness
3. Independence of theorems

Suggested Readings:

- Stoll R., (1979) *Set theory and Logic*, Dover Publications, Reprint edition.
- Copi I. M. (1979) *Symbolic Logic*, 5th edition, Delhi: Pearson Prentice Hall.
- Whitehead Alfred North and Russell Bertrand (1910) *Principia Mathematica*, Cambridge University Press, Volume I.
- Ambrose Alice and Lazerowitz Morris, (1962) *Fundamentals of Symbolic Logic*, Holt, Rinehart & Winston of Canada Ltd; Revised edition.
- Hunter Geoffrey, (1971) *Metalogic: An Introduction to the Metatheory of Standard First Order Logic*, Berkeley: University of California Press.
- Basson A. H. and O'Connor D. J., (1960), *Introduction to Symbolic Logic*, USA: The Free Press, a Corporation.

**Optional Paper  
Semester 3**

**PHIL 0903 C: Philosophy of mind 1(Metaphysics of Mind) (15+35 Marks)**

**Unit I: Mind-Body Problem**

1. The fundamental distinction between mind and body
2. Descartes' Dualism( Substance dualism and property dualism)
3. Larger implications of Descartes' dualism on mind-body/mind-world relationship
4. Problems with Descartes' dualism

**Unit II: Solutions to the Mind-body Problem**

1. Behaviorism
2. The identity theory(type identity and token identity)
3. Functionalism
4. Supervenience theory
5. Eliminative materialism

**Suggested Readings:**

- Descartes, R., (1996) *Meditations on First Philosophy*, Edited by John Cottingham Cambridge: Cambridge University Press.
- Gilbert, R., (2009) (1949) "Descartes' Myth" in *Concept of Mind*, London: Routledge.
- Smart, J.J.C. (1979) "Sensations and Brain Processes" by in *The Mind- Brain Identity Theory* edited by C.V. Borst, London: Macmillan.
- Armstrong, D.M. (1990)"The Causal Theory" in *Mind and Cognition: an anthology* Edited by W.G. Lycan, USA: Blackwell.
- Place,U.T. (1990)"Is Conscious a Brain Process?" in *Mind and Cognition: an anthology*, Edited by W. G. Lycan, 1990, USA: Blackwell.
- Crane, T., (2003)*The Mechanical Mind, Second Edition*, London: Routledge.

- Putnam, H., (1983) “The Nature of Mental States” in *Readings in Philosophy of Psychology* (vol. 1) Edited by Ned Block, Cambridge, Massachusetts: Harvard University Press,
- Block, N., (1983) “Troubles with Functionalism” in *Readings in Philosophy of Psychology* (Vol. 1) Edited by Ned Block, Cambridge, Massachusetts: Harvard University Press.
- Davidson, D., (1990) “Mental Events” in *Mind and Cognition: an anthology*, Edited by W.G. Lycan, USA: Blackwell.
- Kim, J., (1993) “Multiple Realization and the Metaphysics of Reduction” in *Supervenience and Mind*, Cambridge: Cambridge University Press.
- Kim, J., (2000) “The Many Problems of Mental Causation” in *Mind in a Physical World: An Essay on the Mind-Body problem and Mental Causation*, Cambridge, Massachusetts: The MIT Press.
- Churchland, P., (2001) *Matter and Consciousness*, Revised edition, Cambridge, Massachusetts: The MIT Press.
- Lilli A., (2003) *Descartes Concept of Mind*, Harvard University Press, Massachusetts.

**Optional Paper  
Semester 3**

**PHIL 0904 C: Philosophy of mind 2 (Representational Mind and Philosophy of Artificial  
Intelligence (15+35 Marks)**

**Unit 1: The Nature of Representation**

1. Puzzle of representation
2. Varieties of Representation
3. The Objectivity of Representation
4. Individualism Vs. Anti-Individualism

**Unit 2: The distinction between Mental and Physical Phenomena**

1. The nature of mental phenomena
2. The nature of physical phenomena
3. Intentionality as the mark of the mental
4. Various other criteria of distinguishing between mental phenomena and physical phenomena

**Unit 3: The Mechanism of Thought**

1. The nature of Propositional Attitude
2. The Language of Thought Hypothesis
3. Problems with Language of Thought Hypothesis
4. The Modularity of Mind

**Unit 4: Computers and Thought**

1. The similarity between Computers and Thinking Minds
2. Computers and Human Thinking
3. Turing Machines: Can Machine think? Dennett's Defence
4. Rules and Representations associated with the working of Computers
5. Can Thinking be captured by Rules and representations? Possible Answers

**Unit 5: Artificial Intelligence**

1. Searle's Critique of Artificial Intelligence
2. Dreyfus's Critique of Artificial Intelligence

### **Suggested Readings:**

- Crane, T., (2003)*The Mechanical Mind*, 2nd edition, London: Routledge.
- Brentano, F., “The Distinction between Mental and Physical Phenomena” (excerpts) in *The Phenomenology Reader* Edited by D.Moran & T.Mooney, (2002) London: Routledge.
- Fodor, Jerry A. (1975)*Language of Thought*, Cambridge and Mass.: Harvard University Press.
- Fodor, Jerry A. (1983) *The Modularity of Mind*, Cambridge: The MIT Press.
- Guttenplan, S., (ed.)(1994) *Companion to the Philosophy of Mind*, USA: Blackwell.
- Dennett, Daniel C. (1998) “Can Machine Think?” in *Brainchildren: Essays on designing mind*, Cambridge: The MIT Press.
- Dennett, Daniel C. (1990)“True Believers: The Intentional Strategy and Why It Works” in *Mind and Cognition: an anthology*, Edited by W.G. Lycan, USA: Blackwell.
- Rosenthal, D. M. (2002)“Explaining Consciousness” in *Philosophy of Mind: Classical and Contemporary Readings*, edited by D. Chalmers, Oxford: Oxford University press.
- Churchland, Paul M. (2001) “Artificial Intelligence” in *Matter and Consciousness*, Revised Edition, Cambridge: The MIT Press.

**Optional Paper  
Semester 3**

**PHIL 0903 D: Nyaya 1 (15+35 Marks)**

Nyaya Sutra with Vatsayanabhasya: Prameyas ( chs.1/1/2, 1/1/9 to 22 and 3/1/1 to26, 3/2/46-59 )

**Suggested Readings:**

- Phanibhushan Tarkavagish (2003) *Nyaya Darshan (Vol.1-5)*, Kolkata: Pashchimbanga Rajya Pustak Parsat.
- Jha, Ganganath (1988) *The Nyāyasūtras of Gautama, with the Bhāṣya of Vātsyāyana and the Vārttika of Uddyotakara, with notes from Vācaspati Miśra's Nyāya Parisuddhi and Raghuttama's Bhāṣyachandra*, Delhi: Motilal Banarasidass.
- Chattopadhyay, D.P. and M.K. Gangopadhyay *Nyaya Philosophy*.
- Gautama Muni (2003) *Nyāyadarśanam*, Edited with Vātsyāyana's *Bhāṣya*, Uddyotkara's *Vārttika*, Vācaspati Miśra's *Tātparyāṭīkā* and Viśvanatha's *Vṛtti* by Taranath Nyāya-Tarkatirtha and Amarendramohan Tarkatirtha, Calcutta: Munshiram Manoharlal Publishers Private Limited.
- Thakur, Anantalal (ed.) (1996 & 1997) *Nyaya Caturgranthika (Nyāyasūtra-Bhāṣya-Vārttika-Tātparyaparisuddhi)*, ICPR.

**Optional Paper  
Semester 3**

**PHIL 0904 D: Nyaya 2 (15+35 Marks)**

- a. Nyaya Kusumanjali with vritti ( 1<sup>st</sup> stavaka –mangalasloka to karika7 )
- b. Nyaya Kusumanjali with vritti (5<sup>th</sup> stavaka-from karika1 to 5)

**Suggested Readings:**

- Udayanācārya (1995) *Nyāyakusumāñjali*, Translated and elucidated by Srimohan Bhattacharya, Calcutta: Paschimbanga Rajya Pustak Parshat.
- Udayanācārya (1978) *Nyāyakusumāñjali*, Edited with an elucidation named *Kusumāñjaliparimal* (based on *Haridasī-tīka*) by Acarya Vishveshvar Siddhanta Shiromani, Varanasi: Chowkhamba Vidyabhawan.
- Udayanācārya *Nyāyakusumāñjali*, Translated and elucidated by Shyamapada Mishra.
- Udayanācārya *Nyāyakusumāñjali with Bodhanī*, Edited by Dhundiraj Shashtri.
- Udayanācārya (1996) *Nyāyakusumāñjali*, Translated and Explained by N.S. Dravid, New Delhi: ICPR.
- Bandyopadhyaya, K. (1986) *Nyāyatattva Parikramā*, Calcutta: Papyrus.

**Optional Paper  
Semester 3**

**PHIL 0903E: Philosophy of Science 1 (Introduction to Philosophy of Science)  
(15+35 Marks)**

- **Unit I: Basic Concepts of Philosophy of Science**
  1. What is philosophy of science?
  2. How do we analyze arguments?
  3. How do we evaluate philosophical claims?
  4. Requirements of any Scientific theory
- **Unit II: Science and Hypothesis**
  1. Method of Induction and Problem of Induction
  2. Causality
  3. Method of experimental Enquiry
  4. General Understanding of Scientific Explanation
  5. Probability

**Suggested Readings:**

- John, L. (2001 1<sup>st</sup> ed.), *A Historical Introduction to the Philosophy of Science*, Oxford University Press, London.
- Stemwedel, Janet D. (2014), “What is philosophy of science (and should scientists care)?”, *Scientific American*, published online on April 7<sup>th</sup>, 2014, at: <https://blogs.scientificamerican.com/doing-good-science/what-is-philosophy-of-science-and-should-scientists-care/>
- Hlobil, U. (2017), “What is Philosophy?”, unpublished manuscript by instructor; available on Moodle.
- Sober, E. ( 6 2013), “Inductive and Abductive Arguments”, ch. 3 in his *Core Questions in Philosophy*. New Jersey: Pearson Prentice Hall.
- Brown, J. R. (2011), “The Community of Science”, in M. Carrier, D. Howard, and J. Kourany (eds.), *The Challenge of the Social and the Pressure of Practice: Science and Values Revisited*. Pittsburgh, PA: The University of Pittsburgh Press.
- Copi, I. M. (1998), *Introduction to Logic*, Prentice Hall.
- De Witt, R., (2004), *World Views: An Introduction to the History and Philosophy of Science*, Blackwell Publishing, London.

- Dampiers, W., (1996), *A History of Science*, Cambridge University Press.
- (Ed.) Feigl and Broadbeck, (1953), *Readings in the Philosophy of Science*, New York, Appleton-Century-Crofts.
- (Ed.) Curd, Martin and Cover, J.A., (1998), *Philosophy of Science: The Central Issues*, W. W. Norton & Company.
- Chalmers, A.P., (1973), *What is This Thing Called Science*.
- Okasha, Samir, *Philosophy of Science: A Very Short Introduction*, Oxford.
- Hempel, Carl, *Philosophy of Natural Science*, Prentice-Hall, Foundations of Philosophy Series.
- Rosenberg, Alex, *Philosophy of Science: A Contemporary Introduction*, Routledge.

**Optional Paper  
Semester 3**

**PHIL 0904E: Philosophy of Science 2 (Traditional Objectivism) (15+35 Marks)**

- **Unit I: Logical Positivism and Inductive Empiricism**
  1. Schlick and Principle of Verification
  2. Ayer and Revised Version of Principle of Verification
  3. Carnap's anti-metaphysics broom
- **Unit II: Problems with Logical Positivism and Inductive Empiricism**
  1. Hume's Problem of Induction
  2. The Raven Paradox
  3. Berlin and Church's Critic against Principle of Verification
  4. Goodman's New Riddle of Induction

**Suggested Readings:**

- Cartwright, N. (1983), *How the Laws of Physics Lie*, Oxford University Press.
- Kitcher, P. (2001), *Science, Truth and Democracy*. Oxford: Oxford University Press.
- Godfrey-Smith, P. (2003), *Theory and Reality: An Introduction to the Philosophy of Science*. Chicago, IL: University of Chicago Press.
- Hegel, G. W. F. (1812[2010]), *Preface to the First Edition of The Science of Logic* (translated and edited by George di Giovanni). Cambridge: Cambridge University Press. [*Don't slave over this; just get a sense of how obscure it probably seems to you.*]
- Ayer, A. J. (1952[2000]), "The Elimination of Metaphysics", in T. Schick (ed.) (2000), *Readings in the Philosophy of Science: from Positivism to Postmodernism*. Mountain View, CA: Mayfield Publishing Company.
- Quine, W. V. O. (1951), "Two Dogmas of Empiricism". *Philosophical Review*, 60: 20–43.
- Hempel, C. (1966[2000]), "The Role of Induction in Scientific Inquiry", in T. Schick (ed.) (2000), *Readings in the Philosophy of Science: From Positivism to Postmodernism*. Mountain View, CA:

**Semester 3**

**PHIL 0981: Dissertation Writing Preliminary (50 Marks)**

**Semester 4**  
**PHIL 1001 Phenomenology and Existentialism (15+35 Marks)**

**Unit I: Phenomenology**

1. Salient features of Phenomenology
2. The distinction between Transcendental Phenomenology and existential Phenomenology
3. The Phenomenological Method: First person Perspective, Transcendental Reduction, Epoche
4. Fundamental Issues in Phenomenology: Subjectivity, Selfhood, Intentionality, Prereflective and reflective Consciousness

**Unit II: Existentialism**

1. Distinctive Characteristics of existentialism
2. Priority of Existence over Essence
3. Fundamental Issues in Existentialism: Lived body, Lived experience, Being-in-the-world, Dasein, Being-in-itself, Being-for-itself, Nothingness, bad faith
4. Authentic and Non-Authentic Existence

**Suggested readings:**

- Husserl, E. (1931) *Ideas: A General Introduction to Pure Phenomenology*, Translated by W. R. Boyce Gibson, London: George Allen & Unwin Ltd.
- Bhadra, M. K. (1990) *A Critical Survey of Phenomenology and Existentialism*, New Delhi: ICPR.
- Cerbone, David R. (2014) *Understanding Phenomenology*, London, New York: Routledge.
- Crowell, S. (2008) *Husserl, Heidegger and the Space of Meaning*, Evanston: Northwestern University Press.
- Dreyfus, H. L. (1991) *Being-in-the-World*, Cambridge: Massachusetts: The MIT Press.
- Heidegger, M. (1996) (1927) *Being and Time*, Translated by J. Stambaugh, Albany: New York: Suny.
- Spiegelberg, E., (Editor) (1994) *The Phenomenological Movement: A Historical Introduction*, Third revised and enlarged edition, Kluwer Academic Publishers.

- Solomon, R. C. (2001) *From Rationalism to Existentialism: The Existentialists and their Nineteenth Century Background*, Second Edition, Rowman and Littlefield Publishers.
- McCulloch, Gregory (1994) *Using Sartre: An Analytical Introduction to Early Sartrean Themes*, London: Routledge.
- Mohanty, J. N. (1985) *The Possibility of Transcendental Philosophy*, Dordrecht: MartinusNijhoff.
- Mohanty, J. N. (2008) *The Philosophy of Edmund Husserl: A Historical Development*, New Heaven and London: Yale University Press.
- Merleau-Ponty, M. (2012) (1945) *Phenomenology of Perception*, Translated by D. A. Landes, London: Routledge.
- Warnock, M. (1970) *Existentialism*, revised edition, Oxford: Oxford University Press.
- Sartre, J.P. (1992)(1943) *Being and Nothingness: A Phenomenological Essays on Ontology*, Translated and with an Introduction by Hazel E. Barnes, New York, London: Washington Square Press.
- Zahavi, D., (Editor) (2012) *The Oxford Handbook of Contemporary Phenomenology*, Oxford, New York: Oxford University Press.
- Zahavi, D. (2017) *Husserl's Legacy: Phenomenology, Metaphysics and Transcendental Philosophy*, Oxford: Oxford University Press.

**Semester 4**  
**PHIL 1002: Modern Indian Thoughts (15+35 Marks)**

**Unit I**

- a) M.K. Gandhi: Ahimsa and Satyagraha
- b) Muhammad Iqbal: Philosophy of *Khudi*
- c) K.C. Bhattacharya: Concept of Philosophy

**Unit II**

- a) B. R. Ambedkar: Philosophy of Hinduism, Concept of Buddhism
- b) Rabindranath Tagore: Religion of Man (Chapters 1 & 2)

**Unit III**

- a) Sri Aurobindo: Sat-cit-ananda; three phases of reality; Integral yoga
- b) S. Radhakrishnan: Idealism (Chapter 5 - *An Idealist View of Life*)
- c) Swami Vivekananda: Practical Vedanta (Part 1 & 2)

**Suggested Readings:**

- Aurobindo, Sri. (1955) *Life Divine*, Pondicherry: Sri Aurobindo International Centre of Education
- Aurobindo, Sri. (1948) *Synthesis of Yoga*, Twin Lakes Wisconsin: Lotus Press
- *Collected Works of Sri Aurobindo*, (1972) Sri Aurobindo Birth Centenary Library, Pondicherry: Sri Aurobindo Ashram
- Aurobindo, Sri. (1993, Paperback US Edition) *Integral Yoga*, Twin Lakes Wisconsin: Lotus Press
- Roy, Dilip Kumar. (1945) *Among the Great*, (Chapter on Sri Aurobindo), Bombay: Nalanda Publications
- Maitra, S. K. (1941) *An Introduction to the Philosophy of Sri Aurobindo*, Pondicherry: Sri Aurobindo Ashram

- Shaw, J. L. (2004) *Practical Vedanta: Swami Vivekananda as A Philosopher*, Kolkata: Ramakrishna Mission, Golpark, 5<sup>th</sup> Edition
- Sengupta, Pradip Kumar (1995) *The Philosophy of Swami Vivekananda*, Calcutta: Progressive Publishers, 1<sup>st</sup> Edition
- 9<sup>th</sup> Edition (1947) *The Complete Works of Swami Vivekananda* (Vol.I,pp-333-343 & II,pp-70-87,375-396), Vedanta Press:Mayavati Memorial Edition
- Dev, Govinda. (1963) *The Philosophy of Vivekananda*, Ramakrishna Mission
- Tagore, R. N. (1930) *Religion of Man*, New York: MacMillan Company
- Tagore, R. N. (1933)*Manusher Dharma*,Calcutta: University of Calcutta Publication
- Roy, Pabitra. (2000) *Rabidnranath*, New Delhi: ICPR &MunshiramMonohorlal Das Co.
- Roy, Pabitra&Gangopadhyay, Sachin. (1969) *Rabindradarsan*, India: VisvaBharati
- Roy, Pabitra. (1988) *Truth, Beauty and Art*, Shimla:IIAS
- Radhakrishnan, S. (1919) *Philosophy of Rabindranath Tagore*, London: MacMillan & Co. Limited
- Roy, BenoyGopal. (1949) *The Philosophy of Rabindranath*, Bombay: Kitabs Limited Publishers
- Gandhi, M.K. (1962) *Non-violence in Peace and War*, Vol.1, Ahmedabad:Navajiban Publishing House
- Gandhi, M.K. (1940) *The Story of My Experiments with Truth*, (Eng. Tr.),1940, Ahmedabad: Navajiban Publishing House
- Radhakrishnan, S. (1949) *Mahatma Gandhi*, London: G. Allen and Unwin Ltd.
- Bose, N.K. (1940) *Studies in Gandhism*, Calcutta: Indian Associated Publishing Co. Ltd.
- Bose, N.K. (ed.) (1948) *Selections from Gandhi*, Ahmedabad:Navajiban Publishing House
- Bhattacharya, K.C. (1983) *Studies in Philosophy*, Calcutta: Progressive Publishers
- Hai, Saiyed Abdul. (1980) *Iqbalthe Philosopher*, Bangladesh: Islamic Cultural Centre, Chittagong, Islamic Foundation
- Iqbal, M. Irfan. (1998) “Iqbal’s Philosophy of Khudi”,*The Quaranic Horizons* 3:2, April-June
- Radhakrishnan, S. (1947) *An Idealist View of Life*, London: George Allen &Unwin Ltd.

- Radhakrishnan, S. (1908) *The Ethics of the Vedanta and Its Metaphysical Presuppositions*, Madras: The Guardian Press
- Schilpp, P.A. (ed.) (1952) *Reply to Critics in the Philosophy of Dr. Sarvapalli Radhakrishnan*, New York: Tudor Publication Co.
- Moon, Vasant (Compiled) (1982) *Dr. Babasaheb Ambedkar Writings & Speeches*, Volumes 3, 4, 11, Bombay: Education Department, Government of Maharashtra
- Ambedkar, B.R. (1974) *The Buddha and His Dhamma*, Bombay: Siddhartha Publication
- Ahir, D.C. (1968) *Buddhism and Ambedkar*, New Delhi: Ajay Parkashan
- Zelliott, Eleanor. (1972) "Gandhi and Ambedkar: A Study in Leadership", in Mahar, J.H. (ed.) *The Untouchables in Contemporary India*, Tuscan: The University of Arizona Press
- Lal, Basant Kumar. (2017) *Contemporary Indian Philosophy*, Delhi: Motilal Banarsidass

**Optional Paper  
Semester 4**

**PHIL 1003A: Applied Ethics 3 (Professional Ethics) (15+35 Marks)**

**Unit I: Media Ethics**

- a) **Ethics Theory and its Application to media**
- b) **Values in the Media: Transparency, Justice, Autonomy, Privacy**
- c) **Freedom of Expression**

**Unit II: Judiciary Ethics**

- a) **Law and Morality**
- b) **Legality and Justice**
- c) **Hart's *The Concept of Law***

**Suggested Readings:**

- Plaisance P. L. (2009) *Media Ethics: Key Principles for Responsible Practice*, Sage Publication, United Kingdom
- Benhabib, S. (1992) *Situating the Self: Gender, Community and Postmodernism in contemporary ethics*, Routledge, London
- Berlin, I. (1969) *Four Essays on Liberty*, Oxford University Press, London
- Elliot, D. (1991) "Moral Development Theories and the Teaching of Ethics", *Journalism Educator*, pp. 18-24
- Ward, S. J. A. (2006) *The invention of journalism ethics: The path to objectivity and beyond*, McGill-Queen's University Press, Canada
- Winkler, E. R., & Coombs, J. R. (Eds. 1993) *Applied Ethics*, Oxford University Press
- Lon, L. F. (1969) *The Morality of Law*, Yale University Press, London
- Hart, H. L. A. (2012) *The Concept of Law (Third Edition)*, Oxford University Press, United Kingdom

**Optional Paper  
Semester 4**

**PHIL 1004A: Applied Ethics 4 (Ethics in Management) (15+35 Marks)**

**Unit I**

- a) Ethics in Teaching and Learning process: Student – teacher relationship

**Unit II**

- a) Evolution of Management Thought  
b) Ethical Vision of Management: A Vedantic Outline

**Unit III**

- a) Management by Value Programmes: A Qualitative Appraisal  
b) Total Quality Management  
c) Management in Future

**Suggested Readings:**

- Chakraborty, S.K. (1991) *Management by Values: Towards Cultural Congruence*, (Ch.4), Delhi: Oxford University Press
- Chakraborty, S.K. (1995) *Ethics in Management*, (Ch.1 & 5), Delhi:Oxford India Paperback
- Ross, Joel E. (1995) *Cases in Total Quality Management*, (Ch.1), New Delhi: Vanity Books International.
- Sherlekar, S. A. (1998) *Ethics in Management*, (Ch. 5-7), Mumbai:Himalaya Publishing House
- Patrick, J. A, & Quinn, John F. (1997) *Management Ethics-Integrity at Work*, New Delhi: Sage series on Business Ethics, Response Ethics.
- Aggarwal, J. C. (1996) *Theory & Principles of Education*, Delhi: Vikas Publishing House
- *Assessment In Education: Principles, Policy & Practice*, Vol. No.18, Routledge

- Chakraborty, S.K.(1995)*Ethics in Management: Vedantic Perspectives*, India: Oxford University Press
- Wicks, Andrew C. (July 2001) “The Value Dynamics of Total Quality Management: Ethics and the Foundations of TQM”, *Business Ethics Quarterly*, Vol. 11, No. 3, pp. 501-535
- Wren, Daniel A. and Bedeian, Arthur G. (2009) *The Evolution of Management Thought*, 6<sup>th</sup> Edition, USA:John Wiley & Sons, Inc.
- Marrewijk, Marcel van and Timmers, Joanna. (2002) “Human Capital Management: New Possibilities in People Management”, *Journal of Business Ethics*, Vol. 44, No. 2/3, Corporate Sustainability Conference 2002
- Waters, James A. and Bird, Frederick. (June 1989) “Attending to Ethics in Management”,*Journal of Business Ethics*, Vol. 8, No. 6, pp. 493-497
- Biaggio, Maryka, Paget, Tana Lucic, and Chenoweth M. Sue. (1997) “A Model for Ethical Management of Faculty-Student Dual Relationships”*Professional Psychology: Research and Practice*, Vol. 28, No- 2, 184-189
- Sheth, N. R. (August 28, 1993) “What about Ethics and Values in Management?”*Economic and Political Weekly*, Vol. 28, No. 35, pp. M87-M90
- Boatright, John R. (April 1988) “Ethics and the Role of the Manager”, *Journal of Business Ethics*, Vol. 7, No. 4, pp. 303-31

**Optional Paper  
Semester 4**

**PHIL 1003 B: Western Logic 3 (Advanced Western Logic) (15+35 Marks)**

**Unit I**

Formal logic: Its Scope and Limits, 1<sup>st</sup> edition, Richard Jeffrey (chapters 7 and 9)

1. Truth Tree method as an application
2. Multiply-General Propositions
3. Identity

**Unit II**

Intuitive Set Theory

1. Functions
2. Binary functions
3. n-nary functions
4. Relations
5. Properties of relations
6. Operations on relations

**Suggested Readings:**

- Jeffrey Richard, *Formal logic: Its Scope and Limits*, 1<sup>st</sup> edition.
- Hughes G.E. and Londey D.G. (1966) *The Elements of Formal Logic*, London: Methuen.
- Suppes P. (1999) *Introduction to Logic*, Dover Publications Inc.
- Stoll R., (1979) *Set theory and Logic*, Dover Publications, Reprint edition.

**Optional Paper  
Semester 4**

**PHIL 1004 B: Western Logic 4 (Advanced Western Logic) (15+35 Marks)**

**Unit I**

1. Modal Axiomatic System (only propositional parts) T
2. Basic Modal Operators
3. Basis of T
4. Axioms of T
5. Theorems of T
6. Derivation of theorems within the Systems T

**Unit II**

Proving Invalidity in System T

**Unit III**

Philosophical Logic

1. Relations between logical constants and their ordinary counterpart
2. Meaning of Logical Constants

**Suggested Readings:**

- Hughes & Cresswell (1968) *An Introduction to Modal Logic*, London: Methuen.
- Hughes & Cresswell (1996) *A New Introduction to Modal Logic*, London: Routledge.
- Hughes & Cresswell (1984) *Companion to Modal Logic*, London, Methuen.
- Sen P.K, (1980) *Logic, Induction, and Ontology*, Jadavpur Studies in Philosophy, Vol. 2, Macmilan.
- Haack Susan (1978) *Philosophy of Logics*, London: Cambridge University Press.
- Pap A., (1958) *Semantics and Necessary Truth*, New Haven, Yale University Press.
- Strawson P.F. (1976) *An Introduction to Logical Theory*, Bombay: B.I. Publications.  
*Strawson P.F., (Ed) (1967) Philosophical Logic, Oxford Readings in Philosophy, OUP.*

**Optional Paper  
Semester 4**

**PHIL 1003 C: Philosophy of mind 3 (Problems of Consciousness) (15+35 Marks)**

**Unit I: Introducing the Problem of Consciousness**

1. The nature of Consciousness
2. Consciousness and the Mind-Body Problem
3. The Easy and hard problems of Consciousness
4. The Explanatory gap
5. Experience and Problem of Consciousness

**Unit II: Concepts of Consciousness**

1. The Phenomenal and Representational Character of Consciousness
2. Varieties of Representationalism
3. Concepts of Consciousness(Phenomenal Consciousness, Access Consciousness, Monitoring Consciousness, Self Consciousness)
4. Embodied Consciousness

**Unit III: Phenomenal Consciousness and Materialism**

1. Knowledge Argument
2. Explanatory Argument
3. The Conceivability Argument
4. The irreducibility of Subjective character of Consciousness

**Unit IV: Varieties of Materialist Theories of Consciousness**

1. Refutation of Qualia
2. Artificial Intelligence and Consciousness
3. Problems with Materialist theories of Consciousness

**Sugessted Readings:**

- Chalmers, D. (1996) *The Conscious Mind*, Oxford: Oxford University Press.
- Block,Ned (2007) “Concept of Consciousness” in *Consciousness, Function and Representation*, Cambridge: The MIT Press.

- Blackmore, Susan (2004) *Consciousness: An Introduction*, Oxford: Oxford University Press.
- McGinn, Colin (2003) “Can We Solve the Mind-Body Problem?” in *Philosophy of Mind*- Edited by T.O’Connor & D. Robb, London: Routledge.
- Nagel, Thomas (2001) “What It Is like to be a Bat?” in *The Nature of Mind*, Edited by D. M. Rosenthal, Oxford: Oxford University Press.
- Chalmers, D. J. (2003) “Consciousness and Its Place in Nature” in *Blackwell Guide to the Philosophy of Mind*, Edited by Stich and Warfield, USA: Blackwell.
- Dennett, D. C. (1998) “Quining Qualia” in *Consciousness in Modern Science*, Edited by A. Marcel and E. Bisiach, Oxford: Oxford University Press.
- Jackson, F. (1982) “Epiphenomenal Qualia” in *Philosophical Quarterly*, Vol. 32.
- Levine, J. (1983) “Materialism and Qualia: The Explanatory Gap” in *Pacific Philosophical Quarterly*, Volume 64.
- Kripke, S. A. (1981) *Naming and Necessity* (excerpts)(for modal argument), USA: Wiley-Blackwell.

**Optional Paper  
Semester 4**

**PHIL 1004 C: Philosophy of mind 4 (Contemporary Issues in Philosophy of Mind)  
(15+35 Marks)**

**Unit I: The Nature of Mental Content**

1. Internalism and Externalism
2. Broad and Narrow content

**Unit II: The Extended Mind**

1. The notion of Embodiment
2. Extended Cognition
3. Extended Mind

**Unit III: The problem of Other Minds**

1. Introduction to the problem of Other Minds
2. Theory Theory
3. Simulation Theory

**Unit IV: Some Key Issues regarding embodied mind**

1. Embodied self
2. Place of mind in the Nature
3. Perception and Embodiment

**Suggested Readings:**

- Kim, J. (1998) "Mental Content" in *Philosophy of Mind*, Colorado: Westview Press.
- Clark, A. and Chalmers D. (1998) "The Extended Mind" in *Analysis*, Vol. 58.
- Churchland, P.M. (1984) *Matter and Consciousness*, Cambridge: The MIT Press.
- Carruthers, Peter (1996) *Theories of Theories of Mind*, Cambridge: Cambridge University Press.
- Goldman, A. I. (2008) *Simulating Mind: The Philosophy, Psychology and Neuroscience of Mind*, Oxford: Oxford University Press.

- Parfit, Derek (2002) “Reductionism and Personal Identity” in *Philosophy of Mind: Classical and Contemporary Readings*, Edited by D. J. Chalmers, Oxford: Oxford University Press.
- Merleau-Ponty, M. (2012) (1945) *Phenomenology of Perception*, Translated by D. A. Landes, London: Routledge.

**Optional Paper  
Semester 4**

**PHIL 1003 D:Nyaya 3 (15+35 Marks)**

- a. Tattva Cintamani ( portion on sabda pramanyavada )
- b. Sabdasaktiprakasika ( sarthakasabdanamnirupanam upto jatisaktivada khandana )

**Suggested Readings:**

- Gaṅgeśa Upādhyāya *Tattva Cintāmaṇi*, Translated in Bengali and edited by Dinanath Tripathi, Kolkata: Sanskrit Pustak Bhandar.
- Mukhopadhyaya, P.K. (1991) *The Nyaya Theory of Linguistic Performance: A New Interpretation of Tattva Cintāmaṇi*, Kolkata: Jadavpur University.
- Saha, S.R. (1991) *Meaning, Truth and Predication: A Reconstruction of Nyāya Semantics*, Kolkata: Jadavpur University.
- Saha, S.R. & Mukhopadhyaya, P.K. (eds.) (1991) *Śabdakhaṇḍa of Gaṅgeśa's Tattva Cintāmaṇi*, Kolkata: Jadavpur University.
- Jagadīśa *Śabdaśaktiprakāśikā*, Edited and Translated by Sri Madhusudan Bhattacharya.
- Jagadīśa *Śabdaśaktiprakāśikā*, Edited by Kamakhyanath Tarkabagish.
- Potter, K.H. & Bhattacharya, S. (eds.) (2016) *Encyclopaedia of Indian Philosophies, vol.VI*, Delhi: Motilal Banarasidass.
- Bhattacharya, Sibajiban (1998) *Language, Testimony and Meaning*, Delhi: ICPR.
- Majumder, P.K. *The Philosophy of Language: An Indian Approach*.
- Raja, K. Kunjuni (1963) *Indian Theories of Meaning*, Madras: Adyar Library and Research Centre.

**Optional Paper  
Semester 4**

**PHIL 1004 D:Nyaya 4 (15+35 Marks)**

- a.Bhasaparincheda with Muktaivali (Pratyaksakhanda, karika 24-50)
- b.Padarthatattva-Nirupanam (Selections: dik,kala,akasa,paramanu and dvyanuka)

**Suggested Readings:**

- Viśvanātha Pañcānana (1850) *Bhāṣāpariccheda*, Edited and translated with the author's own commentary *Siddhāntamuktāvalī* by Dr. E. Röer, Calcutta, Hon. Court of Directors of the East India Company under the superintendence of Asiatic Society of Bengal (Bibliotheca Indica: Collection of Original Works, Vol. IX, No. 32 and 35), Printed by J. Thomas at the Baptist Mission Press.
- Viśvanātha (1998) *Bhāṣāpariccheda*, Translated and elucidated by Ashutosh Bhattacharya Nyāyācārya, Kolkata: Bijayayan.
- Viśvanātha (1947) *Bhāṣāpariccheda*, Translated and elucidated with an explanation on Viśvanātha's commentary *Nyāyasiddhāntamuktāvalī* named *Muktāvalīsamgraha* by Panchanan Bhattacharya, Kalikata: Sanskrit Pustak Bhandar.
- Viśvanātha (1988) *Kārikāvalī*, Edited with footnotes and Commentaries *Muktāvalī*, *Dinakarī* and *Rāmarudrī* by Atmaram Narayana Jere, Varanasi: Krishnadas Academy.
- Raghunath Siromani *Padārthatattva-Nirupaṇam*, Edited and annotated by Madhusudan Bhattacharya, Kolkata: Sanskrit College.
- Potter, K.H. & Bhattacharya, S. (eds.) (2016) *Encyclopaedia of Indian Philosophies, vol.VI*, Delhi: Motilal Banarasidass.

**Optional Paper  
Semester 4**

**PHIL1003E: Philosophy of Science 3 (Modern Trends in the Methodology of Sciences)  
(15+35 Marks)**

**Unit I: Popper and the Principle of Falsification**

**Unit II: Lakatos and Heuristic Method**

**Unit III: Kuhn and Paradigms and Normal Science**

**Suggested Readings:**

- Hume, D. (2007), *An Inquiry Concerning Human Understanding*, Oxford: Oxford University Press.
- Popper, K. (1963), *Conjectures and Refutations: The Growth of Scientific Knowledge*, London: Routledge.
- Kuhn, T. (1996), *The Structure of Scientific Revolutions*. Chicago: The University of Chicago Press.
- B. A. Brody and R. E. Grandy (eds.), *Readings in the Philosophy of Science*, pp. 356–367. Englewood Cliffs, NJ: Prentice Hall.
- Lakatos, Imre, (1970), “Falsification and the Methodology of Research program”, pp 91–197 in Imre Lakatos and Alan Musgrave (eds.) *Criticism and the Growth of Knowledge*. Cambridge: Cambridge University Press.
- Nagel, E., (1984), *The Structures of Science: Problems in the Logic of Scientific Explanation*, MacMillan India Limited, New Delhi.
- Popper, Karl, *The Logic of Scientific Discovery*, London, Routledge.
- Kuhn, Thomas, S. (1970), *The Structure of Scientific Revolutions*, London, The University of Chicago Press.
- Heisenberg, W., (2007), *Physics and Philosophy: The Revolution in Modern Science*, Harper Perennial Modern Thought.

- Dampiers, W., (1996), *A History of Science*, Cambridge University Press.
- (Ed.) Feigl and Broadbeck, (1953), *Readings in the Philosophy of Science*, New York, Appleton-Century-Crofts.
- (Ed.) Curd, Martin and Cover, J.A., (1998), *Philosophy of Science: The Central Issues*, W. W. Norton & Company.
- Chalmers, A.P., (1973), *What is This Thing Called Science*.
- Okasha, Samir, *Philosophy of Science: A Very Short Introduction*, Oxford.
- Hempel, Carl, *Philosophy of Natural Science*, Prentice-Hall, Foundations of Philosophy Series.
- Rosenberg, Alex, *Philosophy of Science: A Contemporary Introduction*, Routledge.

**Optional Paper  
Semester 4**

**PHIL1004E: Philosophy of Science 4 (Recent Trends in Philosophy of Science) (15+35  
Marks)**

**Unit I: Incompleteness Thesis and Recent Developments**

**Unit II: Naturalism and Principle of Uncertainty**

**Unit III: Evolution: From Darwin to Globalization through Marx**

**Suggested Readings:**

- Martyn Shuttleworth (Sep 4, 2009). Philosophy of Science History. Explorable.com: <https://explorable.com/history-of-the-philosophy-of-science>.
- Shapere, D., (1964), “The Structure of Scientific Revolutions”, *Philosophical Review*, 73: 383–94.
- Hitchcock, C. R., (2004), *Contemporary Debates in Philosophy of Science*, Blackwell Publishing, London.
- Popper, Karl, *The Logic of Scientific Discovery*, London, Routledge.
- Kuhn, Thomas, S., (1970) *The Structure of Scientific Revolutions*, London, The University of Chicago Press,.
- Heisenberg, Werner, (2007) *Physics and Philosophy: The Revolution in Modern Science*, Harper Perennial Modern Thought.
- Avakian, Bob (2015), *REVOLUTION AND RELIGION: The Fight for Emancipation and the Role of Religion; A Dialogue Between CORNEL WEST & BOB AVAKIAN*, [www.revcom.us/avakian/ba-important-works-en.html](http://www.revcom.us/avakian/ba-important-works-en.html) and [www.thebobavakianinstitute.org](http://www.thebobavakianinstitute.org)

**Semester 4**

**PHIL 1081: Dissertation Writing Final (50 Marks)**