



Deccan Education Society's
FERGUSSON COLLEGE (AUTONOMOUS),
PUNE

Syllabus under NEP

for

S. Y. B. A. (Philosophy and Logic)

From Academic Year 2024-25

Programme Structure
Department of Philosophy
B.A. Philosophy and Logic

Semester	Paper Code	Paper Title	Credits
III	PHI-200	Orthodox Schools of Indian Philosophy	4
	PHI-201	Introduction to Western Philosophy I	4
	PHI-211	Introduction to Ethics	4
	PHI-220	Living Ethical Debates	2
	LOG-211	Elements of Propositional and Predicate Logic	4
	LOG-220	Introduction to Inductive Logic	2
		CEP (Community Engagement Programme)	2
IV	PHI-250	Key Developments in Classical Indian Philosophy	4
	PHI-251	Introduction to Western Philosophy II	4
	PHI-261	Issues in Applied Ethics	4
	PHI-270	Contemporary Issues in Applied Ethics	2
	LOG-261	Advanced Predicate Logic	4
	LOG-270	Introduction to Methodology of Science	2
		FP (Field Project)	2

S.Y.B.A. PHILOSOPHY SEMESTER III (MAJOR CORE)		
Title of the course and course code	PHI-200 – Orthodox Schools of Indian Philosophy	Number of credits: 4
Course Outcomes		
CO1	Define the key terms used in the orthodox schools of Indian Philosophy	1
CO2	Summarize the theories of Knowledge and Error, Bondage and Liberation stated by the orthodox schools of Indian Philosophy	2
CO3	Comprehend the theory of reality of the orthodox systems of Indian Philosophy	3
CO4	Analyse the concept of liberation from the perspective of each of the orthodox systems of Indian Philosophy	3
CO5	Articulate the connections between the ethical position and metaphysical worldview of the orthodox systems	4
CO6	Compare and contrast the main concepts in the Indian and the Western Philosophies	4

Unit No.	Title of Units and Contents	No. of Lectures
I	1. Nyaya-Vaisheshika 1.1. Definition, nature and classification of Padarthas 1.2. Definition, nature and classification of Pramanas, Anyathakhyati 1.3. Theory of causation — Asatkaryavada- Arambhavada Nature of God, proofs for existence of God 1.4. Selected Reading – section on Anumana from the Tarkasamgraha	15
II	2. Sankhya-Yoga 2.1. Satkaryavada, Prakriti, Purusha, their nature and interrelation 2.2. Evolution and Dissolution of universe, Bondage and liberation 2.3. Relation between Sankhya and Yoga, Citta, Cittavrtti, Cittabhumi, Cittavrttinirodha, 2.4. Ashtangayoga, Kriyayoga, Nature of Ishwara 2.5. Selected Reading- Sections from Yogasutra/Sankhyakarika	15
III	3. Purva Mimamsa 3.1. Social and philosophical role of Purvamimamsa Apaurusheyattva of Vedas 3.2. Interpretation of Vedas, Vidhi-Arthavada Thoery of knowledge, Theory of Intrinsic Validity (Svatahpramanyavada) and Extrinsic Validity (Paratahpramanyavada) 3.3. Six Pramanas, Akhyati and Viparitkhyati, 3.4. Anvitabhidhanavada and Abhihitanvayavada	15

	<p>4. Vedanta</p> <p>4.1. Kevaladvaita of Sankara - Nature of Brahman, Jiva, Jagat, Adhyasa, Maya, Three levels of existence</p> <p>4.2. Brahman: Nirguna and Saguna, Brahma-jnana and Moksha</p> <p>4.3. Introduction to Visistadvaita (Ramanuja) : The nature of and interrelation between Brahman, Jiva and Jagat according to them.</p> <p>4.4. Qualified non-dualism, between Cit Acit and Isvara (Ramanuja)</p>	15
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Learning Resources

1. Hirianna, M. (2005). *Outlines of Indian Philosophy*. Motilal Banarsidass. (Chapters on Upanishads and the Gita only)
2. Chatterjee, S., & Datta, D. (1948). *An Introduction to Indian Philosophy* (Third ed.). University of Calcutta
3. Sharma, C. (1998). *A Critical Survey of Indian Philosophy*. Motilal Banarsidas.
4. Dasgupta, S. (1996). *A History of Indian Philosophy*. Motilal Banarsidass.
5. Swami Virupakshananda, *Tarkasangraha*, with the Dipika of Annambhatta and notes, Shri Ramkrishna Math, Madras, 1994
6. Colebrooke, H.T., *Sankhyakarika*, Subodha Prakash Press Mumbai, 1887

S.Y.B.A. Philosophy SEMESTER III (MAJOR CORE)		
Title of the course and course code	PHI – 201: Introduction to Western Philosophy I	Number of credits: 4
Course Outcomes		
By the end of this course students will be well-acquainted with theories of various western thinkers from the ancient and medieval period (Plato, Aristotle, Plotinus, Seneca, Cicero, Augustine and Aquinas) as well as;		
CO1	Outline the development of metaphysics and epistemology in the classical period of Western Philosophy	1
CO2	Identify the continuities and discontinuities in Post-Aristotelian Philosophy with regard to classical philosophical themes.	2
CO3	Identify various historical factors responsible for emergence of philosophical ideas in a given period	3
CO4	Differentiate between themes and focus of classical philosophy and that of post-Aristotelian Philosophy.	4
CO5	Critically evaluate the synthesis of Greek and Christian worldview.	4
CO6	Understand the development of the problem of universals from classical period to medieval period.	2

Unit No.	Title of Units and Contents	No. of Lectures
I	<p>Plato</p> <ol style="list-style-type: none"> 1. Plato's criticism of sophism. Distinction between knowledge and opinion 2. Theory of Forms 3. Knowledge as recollection 4. Nature of Soul 5. Select readings of Plato's dialogue (Meno) 	15
II	<p>Aristotle</p> <ol style="list-style-type: none"> 1. Aristotle's criticism of Plato's Theory of Forms 2. Notion of Substance. Form and Matter. Potentiality and Actuality 3. Problem of Change. 4. Teleological view of Causation 5. Select readings of Aristotle (Categories OR Metaphysics) 	15

III	Hellenistic-Roman Philosophy <ol style="list-style-type: none"> 1. Developments in Philosophy after Aristotle. Neo-Platonism. Plotinus. The doctrine of One, Intellect and Soul 2. Stoicism. Seneca's Stoicism. Philosophy as Practice. Philosophical Psychology. Doctrine of Virtue. 3. Roman Philosophy. Cicero. Philosophy and Oratory. Philosophical Politics 4. Epicureanism 	15
IV	Medieval Philosophy <ol style="list-style-type: none"> 1. Synthesis of the Greek and Christian views and Faith and Reason 2. St. Augustine: Nature of God, World and Man, Proofs for existence of God 3. St. Aquinas: Nature of God, World and Man, Proofs for existence of God 4. William of Ockham: Problem of Universals. Ockham's razor. 	15

Learning Resources:

1. Scruton R., *A short History of Modern Philosophy*, Sortilege and Paul, London, Seal edition, 1995
2. Lavine T. Z., *From Socrates to Sartre, The Philosophic Quest*, Bantam Books, N. Y.1984
3. Copleston, S. J., *A History of Philosophy*, Vol I, Vol II, Frederick Image Books Edition, 1962:
4. Thilly and Wood, *A History of Philosophy*, Central Book Depot, Allahabad, 1965.
5. Stace W. T. *A Critical History of Greek Philosophy*, Macmillan Martin's Press,1969. Guthrie W, K.C., *The Greek Philosophers from Thales to Aristotle*, Methuen and Co.LTD.London,1967
6. Cicero, <https://plato.stanford.edu/ENTRIES/cicero/>
7. Seneca, <https://plato.stanford.edu/entries/seneca/>
8. William of Ockham <https://plato.stanford.edu/entries/ockham/>
9. Plato. (2001). *Selected Dialogues of Plato: The Benjamin Jowett Translation* (B. Jowett, Trans.). Random House Publishing Group.
10. Barnes J. (1954). *Complete works of Aristotle: The Revised Oxford Translation: Vol. I and II*. Princeton/Bollingen Series.

S.Y.B.A. Philosophy SEMESTER III (MINOR)

Title of the course and course code	PHI-211 : Introduction to Ethics	Number of credits: 4
Course Outcomes		
CO1	Identify and enumerate issues in Normative and Applied Ethics	1
CO2	Explain and illustrate the normative ethical theories	2
CO3	Compare various ethical perspectives about specific issues in Interpersonal relations, Environmental ethics, Animal Rights	2
CO4	Solve ethical issues by applying various ethical theories	3
CO5	Debate various ethical positions with respect to issues in Applied ethics	4
CO6	Examine and critically appraise arguments presented in ethical theories	4

Unit No.	Title of Units and Contents	No. of Lectures
I	<p>Introduction to Normative and Applied Ethics</p> <ol style="list-style-type: none"> 1. Classification of sub-branches of ethics, their nature and scope (Normative, Metaethics and Applied Ethics) 2. Nature and Scope of Normative ethics 3. Deontology: Immanuel Kant 4. Utilitarianism: Jeremy Bentham, J.S. Mill 	15
II	<p>Environmental Ethics</p> <ol style="list-style-type: none"> 1. Nature, scope and perspectives to Environmental Ethics (Theocentrism, Ecocentrism, Biocentrism, Anthropocentrism) 2. Deep Ecology and Land Ethic 3. Sustainable Development 	15
IV	<p>Animal Rights</p> <ol style="list-style-type: none"> 1. Arguments for and against Animal Rights 2. Vegetarianism and Veganism 3. Experimentation on Animals- Ethical problems 4. Genetic Engineering 	15
II	<p>Ethics of Interpersonal Relations</p> <ol style="list-style-type: none"> 1. Views on Friendship- Aristotle, Robert Ringer 2. Sexual Morality- Casual sex, Prostitution 3. Alternate sexuality 	15

References

1. Luper, S., & Brown, C. (1999). *The Moral Life*. Harcourt Brace College Publishers.
2. Chadwick, R. (Ed.). (2012). *Encyclopedia of Applied Ethics*. Elsevier Science.
3. Singer, P. (1993). *Practical Ethics*. Cambridge University Press.
4. Broad, C. D. (2008). *Five Types of Ethical Theory*. Routledge.
5. Titus, H. H. (1966). *Ethics for Today* (Second ed.). Van Nostrand Reinhold Company.
6. Leopold, A. (1968). *A Sand County Almanac*. Oxford University Press.

S.Y.B.A. Philosophy SEMESTER III (OE)		
Title of the course and course code	PHI-220 : Living Ethical Debates	Number of credits: 2
Course Outcomes		
CO1	Classify and explain the nature of various branches of Ethics	1 and 2
CO2	Discuss ethical arguments for and against issues in Interpersonal Ethics and Environmental Ethics	2
CO3	Apply the theories learnt to everyday problems	3
CO4	Examine the arguments presented in various ethical theories	4

Unit No.	Title of Units and Contents	No. of Lectures
I	Introduction to Applied Ethics 1. Classification of sub-branches of ethics (Normative, Metaethics, Applied Ethics) 2. Nature and Scope of Applied Ethics	5
II	Ethics of Interpersonal Relations 1. Views on Friendship: Aristotle, Robert Ringer 2. Ethics of Sexual Relations: Casual Sex, Homosexuality, Prostitution	10
III	Environmental Ethics 1. Nature, scope and perspectives to Environmental Ethics (Theocentrism, Ecocentrism, Biocentrism, Anthropocentrism) 2. Animal Rights, Experimentation on Animal and Vegetarianism 3. Genetic Engineering	15

References

1. Luper, S., & Brown, C. (1999). *The Moral Life*. Harcourt Brace College Publishers.
2. Chadwick, R. (Ed.). (2012). *Encyclopedia of Applied Ethics*. Elsevier Science.
3. Singer, P. (1993). *Practical Ethics*. Cambridge University Press.
4. Broad, C. D. (2008). *Five Types of Ethical Theory*. Routledge.
5. Titus, H. H. (1966). *Ethics for Today* (Second ed.). Van Nostrand Reinhold Company.

S.Y.B.A. Logic SEMESTER III (MINOR)		
Title of the course and course code	LOG-211 – Elements of Propositional and Predicate Logic	Number of credits: 4
Course Outcomes		
CO1	Understand and apply the rules of inference and replacement to prove validity of arguments	1
CO2	Employ the conditional and indirect proof method to prove validity of arguments	2
CO3	Identify the limits of propositional logic and explain the need for Predicate and Relational Logic	3
CO4	Use quantificational rules to prove validity of arguments in Predicate Logic	3
CO5	Demonstrate invalidity of arguments in Predicate Logic	3
CO6	Identify the form of predicate propositions and symbolize them correctly	3

Unit No.	Title of Units and Contents	No. of Lectures
I	1. Propositional Logic – Proof of Validity 1.1. Rules of Inference 1.2. Rules of Replacement 1.3. Proving Validity – Direct Deductive Proof 1.4. Proving Validity – Indirect Proof, Conditional Proof	15
II	2. Predicate Logic – Theoretical framework and Symbolisation 2.1. Need for Predicate Logic, difference in approach between Traditional logic and Predicate Logic 2.2. Singular and General Propositions, Propositional functions and Substitution instances; Instantiation and Quantification 2.3. Set of symbols for symbolizing general propositions; 2.4. Exercises in symbolizing general propositions	15
III	3. Predicate Logic – Proof of Validity 3.1. Modern criticism of the traditional square of opposition 3.2. Rules of Quantification Rules – E.I., E.G., U.I., U.G. 3.3. Rule of Quantificational Negation 3.4. Exercises in Proving Validity of arguments in Predicate Logic	15
	4. Predicate Logic – Proof of Invalidity 4.1. Method of proving Invalidity – Assuming a non-empty universe of discourse 4.2. Exercises in Proving Invalidity	15

Learning Resources

1. Introduction to Logic, by Irving Copi, Karl Kohen and Kenneth M'cmohan, 14th Edition. 2.
2. Hurley Patrick, A Concise Introduction to Logic, 11th Edition, Wadsworth Cenage Publication, 2012.
3. Klenk. (2002). *Understanding Symbolic Logic*. Pearson Prentice Hall.

S.Y.B.A. Logic SEMESTER III (OE)		
Title of the course and course code	LOG-220 – Introduction to Inductive Logic	Number of credits: 2
Course Outcomes		
CO1	Define the different terms of Inductive logic	1
CO2	Differentiate between Deductive and Inductive Inference as well as the different conceptions of causation	2
CO3	Summarize the problem of induction and discuss its possible solution	2
CO4	Examine Hume’s argument against induction	3

Unit No.	Title of Units and Contents	No. of Lectures
I	1. Fundamentals of Inductive Logic 1.1. Revisiting the Difference between Deductive and Inductive Inference 1.2. Classification of Inductive Inference (complete and incomplete enumerative induction, statistical induction, eliminative induction, abduction, reasoning by analogy, etc.) 1.3. The Problem of Induction and Hume’s argument, Goodman’s new riddle of induction	15
II	2. Causation and Hypothesis 2.1. The scientific notion of Cause 2.2. Aristotle, Hume and Mill’s conception of Causation 2.3. Hypothetico Deductive method, Nature and Classification of Hypothesis and conditions for a good hypothesis, Verification of a Hypothesis	15

Learning Resources

1. Chakraborti, C. (2007) Logic: Informal, Symbolic and Inductive, New Delhi: Prentice Hall of India.
2. Copi, I. M. (2013) Introduction to Logic, New Delhi: Pearson, 15th Edition
3. Hacking, I. (2001) An Introduction to Probability and Inductive Logic, Cambridge University Press.
4. Read, C. (2006) The Project Gutenberg EBook of Logic, EBook #18440]

S.Y.B.A. PHILOSOPHY SEMESTER IV (MAJOR CORE)		
Title of the course and course code	PHI-250 – Key Developments in Classical Indian Philosophy	Number of credits: 4
Course Outcomes		
CO1	Get acquainted with the developments in classical Indian philosophy	1
CO2	Demonstrate advanced skills in logical reasoning, particularly in understanding and critically analyzing Anumana, Svarthanumana, Prarthanumana, and logical issues related to negation.	2
CO3	Identify the primary questions dealt with by the later philosophers of the selected schools	3
CO4	Evaluate and compare the distinctive features of the different emphasizing their philosophical contributions and differences	5
CO5	Analyze and critique the metaphysical and cosmological concepts within the schools, exploring their implications.	4
CO6	Appraise the role of aesthetics in Kashmir Shaivism, connecting philosophical principles to artistic expressions in literature and art.	5

Unit No.	Title of Units and Contents	No. of Lectures
I	1. Later Buddhism 1.1. The Madhyamika or the Sunyavada school 1.2. Idealism of the Vijnanavada school 1.3. The Sautrantika theory of perception and inference 1.4. The doctrine of Momentariness and the doctrine of Causal Efficiency (Arthakriyakaritva)	15
II	2. Navya Nyaya 2.1. Introduction to Navya-Nyaya Terminology: Svarupasambandha, Visayata, Nirupakata, Avacchedakata, Anuyogita, Pratiyogita. 2.2. Paksata, The primary and conclusive definition of Vyapti Paramarsa, Kevalanvayi, Kevalavyatireki and Anvaya-vyatireki anumana. 2.3. Some logical issues concerning anumana: Formal representation of anumana. The issues concerning truth, validity and Soundness. Drstanta and existential import. 2.4. The logic of Negation: The nature of abhava and its kinds. The theories concerning knowledge of abhava and the Nyaya response to them.	15
III	3. Jaina Logic and Epistemology 3.1. The definitions and types of Pramāṇas: Pratyakṣa, Smṛti, Pratyabhijñā and Tarka, Pramāṇa-phala, Prāmāṇyavāda: Jaina criticism of Nyāya 3.2. The nature and structure of Anumāna: The Lakṣaṇa of Hetu, The nature of Pakṣa and Sādhyā, 3.3. The nature and types of Vyāpti: Antaravyāpti, Bahirvyāpti, The criticism of Trairupya	15

	3.4. The nature of Parārthānumāna: Daśāvayavas; Nature and role of Dṛṣṭānta	
	4. Kashmir Shaivism 4.1. Origin and development of Kashmir Shaivism, literature and philosophers 4.2. Metaphysics and Cosmology 4.3. Bondage and Liberation 4.4. Aesthetics in Kashmir Shaivism	15

Learning Resources

General

1. Hiriyanna, M.: *Outline of Indian Philosophy* (Chapters on Upanisads and the Gita only)
2. Datta and Chatterjee, *An Introduction to Indian Philosophy*, University of Calcutta, Calcutta
3. Sharma C.D.: *A Critical Survey of Indian Philosophy*, Motilal Banarsidas, Delhi, 1998
4. Dasgupta Surendranath: *A History of Indian Philosophy* (Vol. I to V), Cambridge University Press, 1922

Later Buddhism

5. Dasgupta Surendranath: *A History of Indian Philosophy* (Vol. I to V), Cambridge University Press, 1922

Navya Nyaya

1. Swami Madhavananda, *Bhasa-Pariccheda with Siddhanta-Muktavali* by Vishvanatha Nyaya Pancanana, Advaita Ashram, Calcutta (1954)
2. Ingals D.H.H., *Materials for the study of Navya-Nyaya Logic*, Harward University Press, Harward 1951
3. E.R. Shrikrishna Sharma (Ed. & Tr.), *Manikana: A Navyanyaya Manual*, The Adyar Library and Research Centre, Adyar, Madras, 1960 Books for Reference:
4. Barlingay S.S., *A Modern Introduction of Indian Logic*, National Publishing House, New Delhi, 1976
5. Vattanky John, *Nyaya Philosophy of Language*, Shri Satguru Publications, Delhi 1993
6. Matilal B.K., *The Navya-Nyaya Theory of Negation*, Harward University Press, 1968.
7. Mullatti L.C., *Navya-Nyaya theory of Inference*, Karnatak University, Dharwad, 1977

Jaina Epistemology and Logic

1. Vādideva Suri; *Pramāṇa-naya-tattvalokālamkāra*, Dr. Hari Satya Bhattacharya, Jain Sahitya Vikas Mandal, Bombay, 1967.
2. Sanghavi, Sukhalalaji, *Advanced Studies in Indian Logic and Metaphysics*, (Reprint) Indian Studies: Past and Present, Calcutta, 1961.
3. Siddhasena Divakara, *Nyayavatara*
4. Shastri, Indra Chandra, *Jaina Epistemology*, P.V. Research Institute, Varanasi, 1970.
5. Shah, Nagin J. (ed.), *Jaina Theory of Multiple Facets of Reality and Truth*
6. Bhattacharya Hari Mohan, *Jaina Logic and Epistemology*, K.B. Bagchi and Company, Calcutta, 1994.
7. Marathe, M.P., Kelkar, M.A. and Gokhale P.P. (eds.), *Studies in Jainism*, IPQ Publication, Pune, 1984.

Kashmir Shaivism

1. Dyczkowski, Mark S.G. The Doctrine of Fibration: An Analysis of Doctrine and Practices of Kashmir Saivism
2. Mishra, Kamalakar, Kashmir Shaivism: The Central philosophy of Tantrism
3. Pandey, Kanti Chandra. Abhinavagupta. An Historical and Philosophical Study
4. Pandit, Moti Lal. An Introduction to the Philosophy of Trika Saivism
5. Sharma, L. N.: Kashmir Saivism
6. Rastogi, Navjivan: Kasmira Sivadvayavada Ki Mula Avadharanaen

S.Y.B.A. Philosophy SEMESTER IV (MAJOR CORE)		
Title of the course and course code	PHI – 251: Introduction to Western Philosophy II	Number of credits: 4
Course Outcomes		
By the end of this course a student will be well-acquainted with theories of various modern western thinkers as well as;		
CO1	Explain how the rise of mechanistic view shaped philosophy in the modern period.	2
CO2	Define epistemological positions of rationalism and empiricism.	1
CO3	Identify major metaphysical positions emerging from rationalist and empiricist epistemology	2
CO4	Articulate and demonstrate the interrelatedness of epistemology and metaphysics	3
CO5	Critically examine modern philosophical theories	4
CO6	Appraise the historical approach to study western philosophy	5

Unit No.	Title of Units and Contents	No. of Lectures
I	<p>Rationalism</p> <ol style="list-style-type: none"> 1. From Medieval to Modern philosophy: Overview of the development of Mechanistic view (Galileo, Boyle, Newton) 2. Rationalism: Basic Features 3. Descartes: Method of Doubt and Cogito, Rationalist Method, Mind-Body Problem 4. Spinoza: Substance-Attributes, Pantheism/Atheism, Mind-Body Parallelism 5. Leibniz: Monadology, God, Truths of reason and Truths of Facts, Mind-Body Parallelism 	15
II	<p>Empiricism</p>	15

	<ol style="list-style-type: none"> 1. Empiricism: Basic Features 2. Locke: Primary and Secondary Qualities. Rejection of Innate Ideas. Direct Realism, Representative Realism, Representative theory of Perception 3. Berkeley: Criticism of Representative Theory of Perception. Immaterialism. Phenomenalism. 4. Hume: Mitigated Skepticism. Matters of Facts - Relations of Ideas. Problem of Causation and Problem of Self. 	
III	<p>Immanuel Kant</p> <ol style="list-style-type: none"> 1. Kant: Critical Philosophy-Response to Rationalism and Empiricism 2. Analysis of Knowledge: Pure Reason, Categories of Understanding, Sensibility 3. Possibility of Synthetic A priori Knowledge 4. Noumena-Phenomena 	15
IV	<p>GWF Hegel</p> <ol style="list-style-type: none"> 1. Post-Kantian developments in Philosophy in Germany 2. Absolute Idealism 3. The Concept of Dialectic 4. Hegel's legacy 	15

Learning Resources:

1. Scruton R., *A short History of Modern Philosophy*, Sortilege and Paul, London, Seal edition, 1995
2. Lavine T. Z., *From Socrates to Sartre*, The Philosophic Quest, Bantam Books, N. Y. 1984.
3. Copestone, S. J., *A History of Philosophy*, Frederick Image Books Edition, 1962: (Volume 4, Volume5 Part2 Part1, Volume 6 Part 2, Volume 7 Part 1)
4. Thilly and Wood, *A History of Philosophy*, Central Book Depot, Allahabad, 1965.
5. Stace W. T., *The Philosophy of Hegel*, Macmillan Martin's Press, 1969.
6. Nadier S. (Ed.), *A Companion to Early Modern Philosophy*, Blackwell Publishing, 2002.

S.Y.B.A. Philosophy SEMESTER IV (MINOR)		
Title of the course and course code	PHI-261 : Issues in Applied Ethics	Number of credits: 4
Course Outcomes		
CO1	Identify the ethical issues relating to Free Will, Biomedical Ethics, Media Ethics and Artificial Intelligence	1
CO2	Describe the ethical issues arising in the context of Free Will, Biomedical Ethics, Media Ethics and Artificial Intelligence	2
CO3	Explain the key concepts pertaining to Moral Responsibility and elaborate upon the arguments presented for and against Free Will and Determinism	2
CO4	Discuss the ethical issues in Biomedical Ethics, Media Ethics and Ethics of AI	2
CO5	List the ethical challenges with reference to case studies in Applied Ethics	3
CO6	Justify various ethical positions with respect to specific ethical issues	5

Unit No.	Title of Units and Contents	No. of Lectures
I	Free Will and Moral Responsibility 1. Free Will 2. Determinism: Hard Determinism and Soft Determinism 3. Moral Responsibility and Moral Desert	15
II	Biomedical Ethics 1. Doctor-Patient Relation: Paternalism and Autonomy 2. Principles of Biomedical Ethics 3. Abortion 4. Euthanasia 5. Ethical issues pertaining to Organ donation and transplantation	15
III	Media Ethics 1. Truth-telling and Objectivity 2. Censorship and Freedom of Speech 3. Ethical issues regarding Privacy 4. Philosophy of Propaganda	15

IV	Ethics of AI <ol style="list-style-type: none">1. What is Artificial Intelligence?2. Significance of Ethics in the field of Artificial Intelligence3. Problem of Moral Responsibility and Justice4. Issue of Intellectual Property in the context of AI5. Media, AI and Privacy	15
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References

1. Pink, T. (2004). *Free Will: A Very Short Introduction (Very Short Introductions)*. Oxford Paperbacks.
2. Chadwick, R. (Ed.). (2012). *Encyclopedia of Applied Ethics*. Elsevier Science.
3. Singer, P. (1993). *Practical Ethics*. Cambridge University Press.
4. Soules, M. (2015). *Media, Persuasion and Propaganda*. Edinburgh University Press.
5. Hampton, A. J., & DeFalco, J. A. (Eds.). (2022). *The Frontlines of Artificial Intelligence Ethics: Human-centric Perspectives on Technology's Advance*. Routledge.
6. Boylan, M., & Teays, W. (Eds.). (2022). *Ethics in the AI, Technology, and Information Age*. Rowman & Littlefield.
7. Coeckelbergh, M. (2020). *AI Ethics*. MIT Press.
8. Jalan, A. (2019). *Where Will Man Take Us?* Penguin Books India PVT, Limited.

S.Y.B.A. Philosophy SEMESTER IV (MINOR)		
Title of the course and course code	PHI-270 : Contemporary Issues in Applied Ethics	Number of credits: 2
Course Outcomes		
CO1	Identify the ethical issues relating to Media Ethics and Artificial Intelligence	1
CO2	Describe the ethical issues arising in the context of Media Ethics and Artificial Intelligence	2
CO3	Illustrate the ethical challenges of Artificial Intelligence using case studies	2
CO4	Apply the ethical perspectives on ethical problems in Media and Artificial Intelligence	3

Unit No.	Title of Units and Contents	No. of Lectures
I	Media Ethics <ol style="list-style-type: none"> 1. Truth-telling and Objectivity 2. Censorship and Freedom of Speech 3. Ethical issues regarding Privacy 4. Philosophy of Propaganda 	15
II	Ethics of AI <ol style="list-style-type: none"> 1. What is Artificial Intelligence? 2. Significance of Ethics in the field of Artificial Intelligence 3. Problem of Moral Responsibility and Justice 4. Issue of Intellectual Property in the context of AI 5. Media, AI and Privacy 	15

References

1. Pink, T. (2004). *Free Will: A Very Short Introduction (Very Short Introductions)*. Oxford Paperbacks.
2. Chadwick, R. (Ed.). (2012). *Encyclopedia of Applied Ethics*. Elsevier Science.
3. Singer, P. (1993). *Practical Ethics*. Cambridge University Press.
4. Soules, M. (2015). *Media, Persuasion and Propaganda*. Edinburgh University Press.
5. Hampton, A. J., & DeFalco, J. A. (Eds.). (2022). *The Frontlines of Artificial Intelligence Ethics: Human-centric Perspectives on Technology's Advance*. Routledge.
6. Boylan, M., & Teays, W. (Eds.). (2022). *Ethics in the AI, Technology, and Information Age*. Rowman & Littlefield.
7. Coeckelbergh, M. (2020). *AI Ethics*. MIT Press.
8. Jalan, A. (2019). *Where Will Man Take Us?* Penguin Books India PVT, Limited.

S.Y.B.A. Logic SEMESTER IV (MINOR)		
Title of the course and course code	LOG-261 – Advanced Predicate Logic	Number of credits: 4
Course Outcomes		
CO1	Differentiate between singly general and multiply general propositions	2
CO2	Identify errors in application of revised quantification rules	3
CO3	Analyse the structure of a relational propositions to bring out their logical form	4
CO4	Translate relational propositions into the symbolic form and vice versa	2
CO5	Define various terms in advanced predicate logic	1
CO6	Apply the revised quantification rules to to validity of arguments	3

Unit No.	Title of Units and Contents	No. of Lectures
I	1. Multiply General Propositions 1.1. The nature and definition of multiply general propositions 1.2. Exercises in symbolizing multiply general propositions	12
II	2. Revised Quantification Rules - Proof of Validity 2.1. Need for revising the preliminary quantification rules; Revised form of quantification rules 2.2. Exercises pertaining to erroneous proofs 2.3. Exercises in proving the validity of arguments involving the use of revised Quantification rules 2.4. Proof of logical truths involving quantifiers	16
III	3. Relational Propositions and arguments involving relations 3.1. Predicates and relations; Relational Logic as an extension of Predicate logic; The logical structure of relational proposition 3.2. Symbolizing relational propositions 3.3. Proving validity of arguments involving relational propositions 3.4. Properties of dyadic relations 3.5. Enthymeme. Proving validity of relational Enthymemic arguments	16
IV	4. Identity as a Relation 4.1. The nature of Identity as a relation 4.2. Propositions exhibiting identity – simple, ‘only’, ‘all except’, superlatives, numerical, etc. 4.3. Definite descriptions 4.4. The laws of Identity 4.5. Exercises in proving validity of arguments involving Identity	16

Learning Resources

1. Introduction to Logic, by Irving Copi, Karl Kohen and Kenneth M'cmohan, 14th Edition. 2.
2. Hurley Patrick, A Concise Introduction to Logic, 11th Edition, Wadsworth Cenage Publication, 2012
3. Copi, Irving, *Symbolic Logic*, Macmillan Co. New York, 1995 (5th ed.)

S.Y.B.A. Logic SEMESTER IV (OE)		
Title of the course and course code	LOG-270 – Introduction to Methodology of Science	Number of credits: 2
Course Outcomes		
CO1	Highlight the significance of Logic in Methodology of Science	1
CO2	Describe the nature and characteristics of science	2
CO3	Classify sciences into natural and social, pure and applied, etc.	3
CO4	Illustrate theories, laws and explanations in Natural Sciences	3

Unit No.	Title of Units and Contents	No. of Lectures
I	1. Introduction to Science and its methodology 1.1. Nature and Objectives of Science 1.2. History of Science 1.3. Commonsense and Science 1.4. Classification of Sciences, Method, Methodology and Epistemology	15
II	2. Theories, Laws and Explanations in Science 2.1. Nature of Scientific Theories 2.2. Nature of Scientific Law 2.3. Nature of Scientific Explanations 2.4. Objectivity and Science	15

Learning Resources

1. Copi, I. M., Cohen, C., & Rodych, V. (2019). *Introduction to Logic* (I. M. Copi, C. Cohen, & V. Rodych, Eds.). Routledge.
2. Nagel, E. (1961). *The Structure of Science: Problems in the Logic of Scientific Explanation*. Routledge & Kegan Paul.
3. Hempel, C. G. (1966). *Philosophy of Natural Science*. Prentice-Hall.
4. Okasha, S. (2016). *Philosophy of Science: A Very Short Introduction*. Oxford University Press.