

ASUTOSH COLLEGE

Department of Political Science

Sem 1 (Hons)

Subject	Topic	Faculty
Understanding Political Theory: Concepts CC-1	<p>Conceptualising politics: meaning of political.</p> <p>Key concepts I: State; Nation; Sovereignty (evolution); Power and Authority--- types and linkages</p> <p>Key concepts II: Law. Liberty, Equality--- interrelationships.</p> <p>Key concepts III: Rights; Justice (with special reference to Rawls); Freedom.</p> <p>Key concepts IV: Democracy (with special reference to David Held); Authoritarianism.</p> <p>Key concepts V: Citizenship.</p>	Doel Mukherjee Gupta
Understanding Political Theory: Approaches and Debates	<p>Approaches I: Normative; Legal-Institutional; Empirical-Behavioural--- Systems Analysis; Structural Functionalism.</p> <p>Approaches II: Liberalism; Social Welfarism; Neo-Liberalism.</p>	Dr. Sanchita Sanyal

	<p>Approaches III: Postcolonial; Feminist</p> <p>Marxian approach-- Dialectical Materialism and Historical Materialism.</p> <p>Key ideas: State (focus on Relative Autonomy); Class and Class Struggle; Surplus Value; Alienation.</p> <p>Party--- Democratic Centralism; Lenin- Rosa Luxemburg debate; Revolution--- Lenin and Mao. Hegemony and Civil Society: Gramsci.</p>	
--	---	--

Sem 3 (Hons)

Subject	Topic	Faculty
Indian Political Thought CC-5	<p>Ancient Indian Political ideas: overview.</p> <p>Kautilya: Saptanga theory, Dandaniti, Diplomacy.</p> <p>Medieval political thought in India: overview (with reference to Barani and Abul Fazal). Legitimacy of kingship.</p> <p>Principle of Syncretism.</p>	Dr. Sanchita Sanyal
	<p>Modern Indian thought: Rammohun Roy as pioneer of</p>	Toushali Raina

	<p>Indian liberalism – his views on rule of law, freedom of thought and social justice.</p> <p>Bankim Chandra Chattopadhyay, Vivekananda and Rabindranath Tagore: views on nationalism.</p> <p>M.K. Gandhi: views on State, Swaraj, Satyagraha.</p>	
<p>Comparative Government and Politics CC-6</p>	<p>Evolution of Comparative Politics. Scope, purposes and methods of comparison.</p> <p>Distinction between Comparative Government and Comparative Politics.</p> <p>Major approaches to the study of comparative politics--- Institutional approach (dominant schools: Systems approach and Structural Functional approach)- --limitations; New Institutionalism, Political Economy--- origin and key features.</p> <p>Development and democratization: S.P. Huntington.</p> <p>Classification of political systems. Nature of liberal and socialist political systems; distinguishing features--- conventions, rule of law (UK), separation of powers, checks and balances, judicial review (USA), democratic centralism (PRC), referendum, initiative (Switzerland).</p> <p>Political Parties: Typology, features and roles (UK, USA, PRC and Bangladesh). Interest groups: roles (UK and USA).</p> <p>Unitary system: UK, Bangladesh. Federal system: USA, Russia.</p>	<p>Debarshi Khamrui</p>

	<p>Legislature in UK, USA and PRC: composition and functions of legislative chambers; Committee System in UK and USA 8. Executive in UK, USA, France and Russia: A comparative study of (i) Russian, French and American Presidency; (ii) British and French cabinet systems.</p> <p>Judiciary in UK, USA and PRC (with focus on the Procuratorate): comparative study.</p> <p>Rights of the citizens of UK, USA and PRC: A comparative study.</p>	
Perspectives on International Relations CC-7	<p>Understanding International Relations: outline of its evolution as academic discipline.</p> <p>Major theories: (a) Classical Realism and Neo-Realism (b) Dependency (c) World Systems theory.</p> <p>Emergent issues: (a) Development (b) Environment (c) Terrorism (d) Migration.</p> <p>Making of foreign policy.</p> <p>Indian foreign policy: major phases: 1947-1962; 1962-1991; 1991-till date.</p> <p>Sino-Indian relations; Indo-US relations.</p>	Doel Mukherjee Gupta
Democratic Awareness through Legal Literacy Sec-3 A(1)	<p>Laws relating to Criminal jurisdiction-provisions relating to filing an FIR, arrest, bail, search and seizure and some understanding of the questions of evidence and procedure in the Criminal Procedure Code.</p> <p>Offences under IPC.</p>	Debarshi Khamrui Sukanta Acharya

	<p>Personal laws. Customary</p> <p>relating to Dowry, sexual harassment and violence against women.</p> <p>relating to consumer protection.</p> <p>relating to Information.</p> <p>relating to Cybercrimes.</p> <p>terrorist laws: Implications for security and human rights.</p>	
--	--	--

Sem 5 (Hons)

Subject	Topic	Faculty
Western Political Thought and Theory II CC-11	<p>Bentham: Utilitarianism. John Stuart Mill: views on liberty and representative government.</p> <p>Hegel: Civil Society and State.</p> <p>T. H. Green: Freedom, Obligation.</p> <p>Utopian and Scientific Socialism: basic characteristics.</p> <p>Varieties of non-Marxist socialism: Fabianism, Syndicalism, Guild Socialism.</p> <p>Anarchism: overview.</p> <p>Cultural Marxism: Frankfurt School (overview). Post-Marxism: emergence and basic contentions.</p>	Hirni Bhowmick
Political Sociology CC-12	<p>Social bases of politics. Emergence of Political Sociology.</p>	Dr. Satarupa Pal

	<p>Political culture and Political socialization: nature, types and agencies.</p> <p>Political participation: concept and types.</p> <p>Political development and social change.</p> <p>Political Communication: Concept and structures.</p> <p>Social stratification and politics: caste, tribe, class, elite.</p> <p>Gender and politics: basic issues.</p> <p>Religion and politics: varying perspectives.</p> <p>Military and politics: conditions and modes of intervention.</p> <p>Electorate and electoral behaviour (with special reference to the Indian context).</p>	
Gender and Politics DSE 5(A1)	<p>Groundings</p> <p>Patriarchy</p> <p>Sex-Gender Debates</p> <p>Public and Private</p> <p>Power</p> <p>Feminism</p> <p>Family, Community, State a. Family b. Community c. State</p> <p>History of the Women's Movement in India</p> <p>Violence against women</p> <p>Work and Labour</p>	Dr. Satarupa Pal

	<p>Visible and Invisible work</p> <p>Reproductive and care work</p> <p>Sex work</p>	
<p>Indian Foreign Policy in a Globalising World PLSA DSE-5-B (1)</p>	<p>India's Foreign Policy: From a Postcolonial State to an Aspiring Global Power</p> <p>India's Relations with the USA and USSR/Russia</p> <p>India's Engagements with China</p> <p>India in South Asia: Debating Regional Strategies</p> <p>India's Negotiating Style and Strategies: Trade, Environment and Security Regimes</p> <p>India in the Contemporary Multipolar World</p>	<p>Toushali Raina</p>

Sem 1 (general)

Subject	Topic	Faculty
<p>Introduction to Political Theory PLSG CC-1</p>	<p>Political Science: nature and scope; Different approaches--- Normative, Behavioural, Post-Behavioural, Marxist, Feminist.</p> <p>State: Contract theory; Idealist theory; Liberal theory; Marxist theory; Gandhian theory. Sovereignty of the State: Monistic and Pluralist theories. Doctrine of Popular Sovereignty.</p> <p>Foundational concepts: Law; Right; Liberty; Equality--- meanings, sources, interrelationships.</p> <p>Key concepts: Nationalism and Internationalism—meanings and features; Democracy--- meaning and nature.</p>	<p>Hirni Bhowmick</p>

	<p>Marxism: Dialectical and Historical Materialism; Class and Class Struggle; Theory of Revolution; Lenin's Theory of Imperialism.</p> <p>Fascism: meaning, features, significance.</p> <p>Political parties and interest groups: functions and role; Methods of representation: territorial, functional, proportional.</p>	

Sem 3 (General)

Subject	Topic	Faculty
Government and Politics in India PLSG CC-3	<p>Evolution of the Constitution (brief). The Preamble; Fundamental Rights. Directive Principles;</p> <p>Union-State Relations – nature of federalism.</p> <p>Union Executive: President, Vice-President, Prime Minister, Council of Ministers.</p> <p>Union Legislature: Lok Sabha and Rajya Sabha--- organisation, functions, law Making procedure, Privileges, Committee System, Speaker.</p> <p>The Judiciary: Supreme Court and High Courts— composition and functions; Judicial Activism in India.</p> <p>Constitutional amendment procedure.</p> <p>Government in States: Governor; Council of Ministers and the Chief Minister; State Legislature: composition and functions.</p>	Toushali Raina

	<p>Local Government: rural and urban. Significance of 73rd and 74th Amendments.</p> <p>Election Commission and election reforms.</p> <p>Party System in India: national political parties: Ideologies and programmes. Recent trends in India: rise of regional political parties; coalition politics.</p> <p>Regionalism: Nature, roots, types.</p> <p>Varieties of social and political movements: a) caste; tribe; b) religion; c) environment; d) women's movements.</p>	
<p>Legal Literacy PLSG SEC-3-A(1)</p>	<p>Legal Issues of Criminal Jurisdiction: History, Definition and Concept, Major Processes— Detention, Arrest, Bail, Search and Seizure.</p> <p>Indian Penal Code: History, Definition. Major Aspects— Protection of Primary and Secondary Personal Rights, Criminal Conspiracy, Offences against the State, Offences related to Marriage.</p> <p>Personal Laws: Laws related to Marriage (examples from Hindu, Islam and Christian Laws)</p> <p>Consumer Rights Laws: Definition of Consumer Rights, Process of filing a complaint. Right to Information Act: provisions; importance.</p> <p>Anti-Terror Laws: Meaning, Terrorist and Disruptive Activities (Prevention) (TADA) Act 1987, 2002 and Prevention of Terrorism (POTA) Act 2002.</p>	<p>Debarshi Khamrui Sukanta Acharya</p>

	Human Rights Laws: Meanings, Universal Declaration of Human Rights (UDHR), Human Rights Act of 1993, Issues of rights of Children and Women.	
--	--	--

Sem 5 (General)

Subject	Topic	Faculty
Indian Foreign Policy PLSG DSE-A5 1B	<p>Foreign Policy: meaning and determinants.</p> <p>National Interest as key concept in foreign policy.</p> <p>Instruments of foreign policy: diplomacy; propaganda; military.</p> <p>Evolution of Indian foreign policy.</p> <p>Basic principles of Indian foreign policy.</p> <p>India and her neighbours: Bangladesh; Pakistan; Nepal; Sri Lanka.</p>	Dr. Satarupa Pal
Legal Literacy PLSG SEC-3-A(1)	<p>Legal Issues of Criminal Jurisdiction: History, Definition and Concept, Major Processes— Detention, Arrest, Bail, Search and Seizure.</p> <p>Indian Penal Code: History, Definition. Major Aspects— Protection of Primary and Secondary Personal Rights, Criminal Conspiracy, Offences against the State, Offences related to Marriage.</p> <p>Personal Laws: Laws related to Marriage (examples from Hindu, Islam and Christian Laws).</p> <p>Consumer Rights Laws: Definition of Consumer Rights, Process of filing a complaint.</p>	Debarshi Khamrui Sukanta Acharya

	<p>Right to Information Act: provisions; importance.</p> <p>Anti-Terror Laws: Meaning, Terrorist and Disruptive Activities (Prevention) (TADA) Act 1987, 2002 and Prevention of Terrorism (POTA) Act 2002.</p> <p>Human Rights Laws: Meanings, Universal Declaration of Human Rights (UDHR), Human Rights Act of 1993, Issues of rights of Children and Women.</p>	
--	--	--

ASUTOSH COLLEGE
Department of Chemistry

Details of Syllabus of Odd Semester Hons and General taught by the faculties

SEM 1 (Hons.)

Subject	Topic	Faculty
CEMA-CC-1 INORGANIC CHEMISTRY-1 <i>INORGANIC CHEMISTRY PRACTICAL</i>		
	Extra nuclear Structure of atom	Dr. Manas Kumar Biswas
	Acid-Base reactions	Dr. Ipsita Bhattacharya
	Redox Reactions	Dr. Monoj Kumar Barman
	<i>Acid and Base Titrations</i> <i>Oxidation-Reduction Titrations</i>	Dr. Manas Kumar Biswas Dr. Ipsita Bhattacharya Dr. Monoj Kumar Barman
ORGANIC CHEMISTRY-1A	Basics of Organic Chemistry	Dr. Paramita Das
<i>ORGANIC CHEMISTRY PRACTICAL: O (1A)</i>	<i>Separation of components of a binary solid mixture; purification of any one of the separated components by crystallization and determination of its melting point.</i>	Dr. Paramita Das
CEMA-CC-1-2-TH PHYSICAL CHEMISTRY-1	Kinetic Theory of gases & Maxwell's distribution of speed and energy	Dr. Prasenjit Pandey
	Real gas and virial equation & Transport processes	Dr. Srijita Basumallick
	Chemical kinetics	Dr. Niladri Sekhar Karan

<i>PHYSICAL CHEMISTRY-1 PRACTICAL</i>		Dr. Srijita Basumallick
ORGANIC CHEMISTRY-IB	Stereochemistry I & General Treatment of Reaction Mechanism II	Dr. Keya Ghosh
<i>ORGANIC CHEMISTRY PRACTICAL: O (1B)</i>	<i>Determination of boiling point of common organic liquid compounds</i>	Dr. Keya Ghosh

SEM 3 (Hons.)

Subject	Topic	Faculty
CEMA-CC-3-5-TH : PHYSICAL CHEMISTRY	Chemical Thermodynamics I & Chemical Thermodynamics II	Dr. Prasenjit Pandey
	Systems of Variable Composition, Applications of Thermodynamics – I & ELECTROCHEMISTRY - Conductance and transport number	Dr. Niladri Sekhar Karan
	ELECTROCHEMISTRY - Ionic equilibrium & Electromotive Force	Dr. Srijita Basumallick
PHYSICAL CHEMISTRY PRACTICAL		Dr. Prasenjit Pandey Dr. Niladri Sekhar Karan

		Dr. Srijita Basumallick
CEMA-CC-3-6-TH	Chemical periodicity	Dr. Monoj Kumar Barman
INORGANIC CHEMISTRY	Chemistry of <i>s</i> and <i>p</i> Block Elements & Inorganic Polymers	Dr. Manas Kumar Biswas
	Coordination Chemistry-I & Noble Gases	Dr. Ipsita Bhattacharya
INORGANIC CHEMISTRY PRACTICALS	Complexometric titration	Dr. Manas Kumar Biswas, Dr. Ipsita Bhattacharya Dr. Monoj Kumar Barman
CEMA-CC-3-7-TH :	Chemistry of alkenes and alkynes	Dr. Paramita Das
ORGANIC CHEMISTRY	Aromatic Substitution	
	Organometallic	Dr. Keya Ghosh
ORGANIC CHEMISTRY PRACTICALS	Identification of a Pure Organic Compound	Dr. Keya Ghosh
	Solid compounds Liquid Compounds: B. Quantitative Estimations	Dr. Paramita Das
SEC 2 – ANALYTICAL CLINICAL BIOCHEMISTRY	Carbohydrates Proteins Lipids	Dr. Paramita Das

	Structure of DNA (Watson-Crick model) and RNA, Blood Urine	Smt. Priyanka Mukherjee
--	---	--------------------------------

SEM 5 (Hons.)

Subject	Topic	Faculty
CEMA-CC-5-11-TH PHYSICAL CHEMISTRY	a) Quantum Chemistry II- Simple Harmonic Oscillator & Angular momentum b) Computer programs (Using FORTRAN or C or C++) based on numerical methods	Dr. Prasenjit Pandey
	Quantum Chemistry II- Hydrogen atom and hydrogen-like ions, LCAO, Statistical Thermodynamics & Numerical Analysis	Dr. Srijita Basumallick
PHYSICAL CHEMISTRY Practical	Computer programs(Using FORTRAN or C or C++) based on numerical methods :	Dr. Prasenjit Pandey
CEMA-CC-5-12-TH : ORGANIC CHEMISTRY	Carbocycles and Heterocycles Cyclic Stereochemistry	Dr. Paramita Das

	<p>Pericyclic reactions</p> <p>Carbohydrates</p> <p>Biomolecules</p>	Dr. Keya Ghosh
ORGANIC CHEMISTRY PRACTICAL	<p>A. Chromatographic Separations</p> <p>B. Spectroscopic Analysis of Organic Compounds</p>	<p>Dr Keya Ghosh</p> <p>Dr. Paramita Das</p>
DSE-A-2: APPLICATIONS OF COMPUTERS IN CHEMISTRY	<p>Computer Programming Basics (FORTRAN): (Lectures: 20) Elements of FORTRAN Language.</p>	Dr. Prasenjit Pandey
	<p>Introduction to Spreadsheet Software (MS Excel)</p> <p>Statistical Analysis</p>	Dr. Niladri Sekhar Karan
PRACTICALS DSE-A-2:	APPLICATIONS OF COMPUTERS IN CHEMISTRY	Dr. Niladri Sekhar Karan

DSE-B-1:	Silicate Industries	Dr. Ipsita Bhattacharya
INORGANIC MATERIALS OF INDUSTRIAL IMPORTANCE	Fertilizers	
	Surface Coatings	
	Batteries	
	Alloys	Dr. Monoj Kumar Barman
	Catalysis	
	Chemical explosives	
PRACTICALS-DSE B-1: INORGANIC MATERIALS OF INDUSTRIAL IMPORTANCE (45 Lectures)		Dr. Ipsita Bhattacharya & Dr. Monoj Kumar Barman

SEM 1 (Gen.)

Subject	Topic	Faculty
CC1/ GE 1	B. Kinetic Theory of Gases and Real gases	Dr. Prasenjit Pandey
	Liquids	Dr. Srijita Basumallick
	Chemical Kinetics	Dr. Niladri Sekhar Karan
	Atomic Structure	Dr. Manas Kumar Biswas
	Chemical Periodicity	Dr. Monoj Kumar Barman
	Acids and bases	Dr. Ipsita Bhattacharya
	Fundamentals of Organic Chemistry, Stereochemistry & Nucleophilic Substitution and Elimination Reactions	Dr. Paramita Das
<u>CC1/GE1 Practical</u>	Estimation	All Faculties

SEM 3 (Gen.)

Subject	Topic	Faculty
CC3/GE 3	Chemical Bonding and Molecular Structure	Dr. Monoj Kumar Barman
	Comparative study of p-block elements	Dr. Manas Kumar Biswas
	Transition Elements (3d series) & Coordination Chemistry	Dr. Ipsita Bhattacharya
	Ionic Equilibria	Dr. Prasenjit Pandey
	Conductance	Dr. Niladri Sekhar Karan
	Electromotive force	Dr. Srijita Basumallick
	Aromatic Hydrocarbons, Organometallic Compounds & Aryl Halides	Dr. Paramita Das
CC3/GE3 Practical	Qualitative semimicro analysis of mixtures containing two radicals.	All Faculties
SEC A1:	Basic Analytical Chemistry	Dr. Madhusudan Banerjee Dr. Manas Kumar Biswas

SEM 5 (Gen.)

Subject	Topic	Faculty
DSE-A-2: INORGANIC MATERIALS OF INDUSTRIAL IMPORTANCE	Silicate Industries, Fertilizers, Surface Coatings & Batteries	Dr. Ipsita Bhattacharya
	Alloys, Catalysis & Chemical explosives	Dr. Monoj Kumar Barman
PRACTICALS-DSE A2		Dr. Ipsita Bhattacharya Dr. Monoj Kumar Barman