

UNIVERSITY OF PUNE

MA / M.Sc in Defence and Strategic Studies

(Semester and Credit System)

Defence and Strategic Studies

SYLLABUS

(To be implemented from the Academic Year 2013-2014)

## Objectives for the Post-Graduate Course in Defence and Strategic Studies.

The structure of the Post-Graduate course has been organized so as to ensure that there is minimum Core component which students of Defence and Strategic Studies shall have to study the basic requirement of the subject. This core component revolves around the following major subject areas. -

- (1) International Relations : This provides the broad field within which Nations of States and non-state factors interact. An attempt is made to provide for both of theoretical understanding of how and why Nations behave as they do and also a historical survey of the Major Trends in World Affairs.
- (2) Geo-Politics - Military Geography: Understanding of behavior of Nation Studies without the geographical context is usually a partial understanding. An attempt is made to provide the students with a perspective about Geo-political thinking and also the application and the interaction of Geography with problems of strategy.
- (3) Strategic Studies: This is one of the core courses that provide the students an understanding of various dimensions of warfare in the conventional and nuclear context.
- (4) Peace and Conflict Studies: The course of Peace and Conflict Studies introduces the students to the various nature and forms of conflict, approaches to conflict management and conflict resolution and also a understanding of some of the new approaches like comprehensive security and human security.
- (5) There are 4 different courses which are India Centric. This includes an understanding of Indian Military History, The Defense Organization of India, India's National Security, the Economics of Defense. These India Centric courses seek to relate the broad dimensions study at the International level to problems that are India specific.
- (6) Students of Social Science are also introduced to change in Science & Technology that have taken place since Industrial Revolution and the Impact that these changes have on approaches to National Security. This course also focuses on some of the emerging technologies like Electronics, Computers, Material Science, Bio-technology, etc. The purpose is to introduce the students to these different dimensions of Technology.
- (7) The Optional courses that are offered in the Department are Specialized Courses. The

courses that are offered in the University Department in the campus provide for specific areas of specialization that are in line with the specialization of the faculty and also for providing for an open course that may be designed keeping in mind some of the recent developments that are happening around us.

#### Method of Teaching -

(1) There would be an attempt to introduce the Case Study Method while teaching the courses at the Post-Graduate level. Students would be asked to discuss specific cases that relate to the course which is being taught. Case studies would be used for the internal evaluation component of the course.

(2) The students at the Post-Graduate level would also be taken for a Field Trip so as to introduce them to Defense Establishment or expose them to an area of Military History of India.

**UNIVERSITY OF PUNE**  
**List of Courses (M.A. / M.Sc. in Defence and Strategic Studies)**

**(From the Academic Year 2013-14)**

Students are required to complete 64 credits to secure a M.A. or and M.Sc. degree in Defence and Strategic Studies. Of these 64 credits, 52 credits would be from the courses offered by the Department. The student has the choice of taking the remaining 12 credits from the courses offered in the department or from any other department.

Field Trip: Students of M.A. / M.Sc. are required to go for at least one field trip during their two year course.

**Syllabus**

**(From the Academic Year 2013-14)**

**Note: ( \* ) indicates compulsory course**

**Semester I**

<b>Course No.</b>	<b>Credits</b>	<b>Course Title</b>
DS 1.1*	4	International Relations
DS 1.2*	4	Geopolitics and Military Geography
DS 1.3*	4	National Security: Key Concepts
DS 1.4*	4	Indian Military History

**Semester II**

<b>Course No.</b>	<b>Credits</b>	<b>Course Title</b>
DS 2.1*	4	Strategic Studies
DS 2.2*	4	Defence Organization of India
DS 2.3*	4	Indian National Security
DS 2.4*	4	Peace and Conflict Studies

## COMPULSORY COURSES FOR SEMESTER I

### DS 1.1: International Relations

1. Cold war: Nature and evolution since 1945 to 1991
2. Developments in the Third World: Regionalism, and Nonalignment
3. Evolution of International Economic Issues: Breton Woods System; NIEO; North-South; GATT and WTO.
4. World Order since 1991
5. Theories and Approaches: (a) The Classical Approaches- Realism and Idealism, (b) The Scientific Revolution- Behavioral approach, Systems Approach, Decision Making Theories, Game Theory (c) Neo Liberalism (d) Neo Realism, (e) International Political Economy (d) Transnationalism.

#### Readings:

1. Calvocoressi Peter *World Politics since 1945* (London: Longman, 2000).
2. Baylis John and Smith Steve, *The Globalisation of World Politics: An Introduction to World Politics* (Oxford: Oxford University Press, Latest edition)
3. Palmer N.D. and Perkins H.C. *International Relations* (Calcutta: Scientific Book Agency)
4. Goldstein Joshua, *International Relations* (New York: Harper Collins College Publications 1994)
5. Jackson Robert and George Sorensen *Introduction to International Relations* (Oxford: Oxford University Press, 1999)
6. Kegley Charles W. Jr., and Whittkopf Eugene R, *World Politics : Trends and Transformation* (Hampshire: Mac Millan 1989)
7. Williams Mare (ed) *International Relations in the Twentieth Century: A Reader* (London: Macmillan, 1989)

Journals: International Studies (New Delhi), India Quarterly (New Delhi)

## DS-1.2: Geo-Politics and Military Geography

1. Scope and Importance of geopolitics
2. Evolution of Geopolitical Thought since the 19<sup>th</sup> Century: (a) Organic Theory of State (b) Sea Power Theory, (c) land Power Theory, (d) Rim Land Theory, (e) German Geopolitik
3. Geopolitics during the Cold War Period: (a) Cold War relevance of Heartland Theory, (b) Four Dimensional World
4. Geopolitics in the post cold war era.
5. Role of Geography in Military applications
6. Man and Environment : (a) determinism, (b) Positivism
7. Important and Scope of Logistics: (a) Resources, (b) Industries, (c) Supply Chain, (d) Transportation and Communication
8. Planning Process and Principles of Strategic Geography
9. Role of Geography in Land Warfare
10. Role of Geography in Sea Warfare
11. Role of Geography in Air Warfare
12. Geography of Space Warfare
13. Weather conditions of Sea as factors in amphibious and airborne operations
14. Military Geography of India and Defence Problems: (a) India's boundaries, terrain in border areas, weather and communication, (b) Population in border areas and its implications to border security (c) geography of insurgency and counter insurgency in India

### Readings:

1. Dikshit R. D , *Political Geography: The Discipline and its Dimensions* (New Delhi: Tata Macgraw Hill, 1994)
2. Harm j. Di Blij, *Systematic Political Geography* (New York: John Wiley and Sons, 1973)
3. Taylor P. J, *Political Geography: World Economy, Nation Stae and Locality* (London: Longman, 1895)
4. Peltier Louis and G. Etzel Perarcy, *Military Geography* (New Delhi: East West 1981)
5. Sukhwal b. L, *Modern Political Geography*, (New Delhi: Sage, 1985)
6. Mahan A T., *Sea Power* (London: Methuem and Co, 1975)
7. Presscot J. R. V, *Political Geography* (London: Methuem and Co, 1972)

### DS 1.3: National Security: Key Concepts

1. Concepts: Nation; Nationalism; Nation State; National Power and National Security.
2. Key Concepts of Security:
  - (a) Balance of Power,
  - (b) Deterrence, Brinkmanship and Compellence
  - (b) Collective Security
  - (d) Neutrality,
  - (e) Nonalignment,
  - (f) Equal Security,
  - (g) Common Security,
  - (h) Comprehensive Security,
  - (i) Human Security.
3. Approaches to Peace:
  - (a) Diplomacy,
  - (b) International Law,
  - (c) United Nations and Pacific Settlement of Disputes
  - (d) Arms Control and Disarmament.
  - (e) Track II diplomacy

### Readings

1. Mishra K.P. (ed) Foreign Policy of India: A Book of Readings (New Delhi: Thompson (1977)
2. Prasad Bimal (ed) India's Foreign Policy: Studies in Continuity and Change (New Delhi: Vikas, 1979)
3. Sen Gautam,
4. Haksar P.N. India's Foreign Policy and its Problems ((Delhi: Atlantic, 1993)
5. Paranjpe Shrikant Parliament and the Making of Indian Foreign Policy: A Study of Nuclear Policy (New Delhi Radiant, 1997)
6. Thakkar Usha and Kulkarni Mahesh India in World Affairs: Towards the 21st Century (Mumbai: Himalaya, 1999)
7. T.D Joseph, Winning India's Next War, (New Delhi: Knowledge Publishers, 2008)
8. Annual Reports of the Ministry of Defence, Ministry of Home and

Ministry of External Affairs.

9. Vijay Khare, Dr. B.R Ambedkar and India's national Security )New Delhi: Kilaso, 2005)

**Journals:**

International Studies (New Delhi), India Quarterly (New Delhi)

**Report:**

Annual Report, Ministry of External Affairs, Government of India, New Delhi (Latest available)



## DS 1.4: Indian Military History

1. Defining Military History of India
  - a) What is Military History
  - b) Basic Concepts of Military History
  - c) A Brief survey of the Military Tradition/s of India
2. Historiography of the Military History of India (Approaches)
  - a) Perspectives on the Military History of India
  - b) The Historical approaches within military history of India
3. Military History of Ancient India (Wars/ battles, Institutions, principles, philosophy, techniques, weapons, doctrines, strategies and tactics, reasons for victory or defeat, lessons learnt)
4. Military History of the Medieval India:
  - a) The Turkish Invasion of India: Mahmud of Ghazni and Mahmud of Ghor
  - b) The Sultanate of Delhi: The Slave Dynasty, The Khaljis, The Tughluqs and the Lodhis
  - c) The Rajputs (The Rajput Military Tradition)
  - d) The Mughals
  - e) The Marathas
  - f) The Sikhs
  - g) The other regional military traditions of the medieval period in India
3. The British Period:
  - a) The Nature of the Indian Military Resistance to the British (East India Co.) Army/ Aggression or expansion
  - b) The Making of the British Military forces (land forces)
  - c) The Command Structure of the British (Company's) Army
  - d) The British Military Operations in the 19<sup>th</sup> century: Anglo Mysore Wars; Anglo Maratha wars; Anglo Sikh wars and Revolt of 1857.
4. British Indian Army
  - a) Rise of Presidency Armies
  - b) Indianisation of Indian Army
  - c) Nationalization of Indian Armed Forces.
5. Indian National Army.

## Readings

1. Banks, Arthur, *A World Atlas of Military History*, Vol. 1 (1973)
2. Effenberger, David, *A Dictionary of Battles* (1966)
3. Sloan, John F., *The International Military Encyclopedia* Vols. (1983-)
4. Windrow, Martin and Francis K. Mason, *A Concise Dictionary of Military Biography* (1975)
5. Vishwa Bandhu, *Ideologies of War and Peace in Ancient India* (Hoshiarpur: 1975).
6. Gurcharan Singh Sandhu, *A Military History of Ancient India*, Delhi, 2000
7. P. C. Chakravarty, *The Art of War in Ancient India* (Delhi: 1972).
8. Jagdish Narayan Sarkar, *The Art of War in Medieval India* (Delhi: 1984)
9. Sir Jadunath Sarkar, *Some Aspects of Military Thinking and Practice in Medieval India* (Calcutta: 1969)
10. Gurcharan Singh Sandhu, *A Military History of Medieval India*, Delhi, 2003
11. Pradeep Barua, "Military Developments in India, 1750- 1850," *Journal of Military History*, vol. 58, 1994
12. G. J. Brynat, "Assymetric Warfare: The British Experience in Eighteenth Century India," *Journal of the Military History*

## **Select Journals**

1. Armed Forces and Society
2. Journal of Strategic Studies
3. Journal of Military History
4. War and History
5. War and Society

## Compulsory Courses for Semester II

### DS 2.1: Strategic Studies

1. Strategic Studies: Assumptions and Approaches
2. Theories and Causes of War
3. Contemporary Warfare: (a) Conventional Warfare in Nuclear Age, (b) Limited War, (c) Revolutionary Warfare, (d) Guerilla Warfare and Low Intensity Operations, (e) Insurgency and Counter Insurgency, (f) Terrorism. (g) Asymmetric Warfare
4. Evolution of Nuclear Strategy: Early Debates on the relevance of Nuclear Weapons.
5. US Nuclear Strategy: Survey of US Nuclear Strategy and Doctrines from 1945 to the present.
6. Soviet Nuclear Strategy:
  - a. Political (Ideological), Historical and Geographic Influences,
  - b. Key Elements in Soviet Strategy.
7. Russian Nuclear Strategy/Policy making
8. Chinese Nuclear Strategy
9. Indian Nuclear Strategy
10. Pakistan's Nuclear Strategy

### Readings

1. Paret Peter (ed) *Makers of Modern Strategy : From Machiavelli to Nuclear Age* (Oxford, 1986)
2. Baylis John, Booth Ken, Garnett John, and Williams Phil, *Contemporary Strategy: Theories and Concepts Vol. I and II* (London: Groom Helm, 1987)
3. Bobbit Philip, and others (ed) *US Nuclear Strategy: A Reader* (New York: New York University Press, 1989)
4. Garnett John (ed) *Theories of Peace and Security: A Reader in Contemporary Strategy* (Bristol: McMillan, 1970)
5. Bajpai Kanti and Mattoo Amitabh (ed) *Securing India: Strategic Thought and Practice* (New Delhi: Manohar, 1996)
6. Paranjpe Shrikant, *Samarikshastra* (in Marathi) (Pune: Continental, 1994)
7. Jasjit Singh and Manpreet Sethi, *Nuclear Deterrence and Diplomacy* (New Delhi: Knowledge World, 2004)
8. Colin Gray, *Modern Strategy*, Oxford: Oxford university Press, 1999, p.17

## DS 2.2: Defence Organization of India

1. Higher Defence Organisation in India
  - a. Cabinet Committee on Security
  - b. National Security Council, National Security Advisor; Strategic Policy Group and national Security Advisory Board
2. Ministry of Defence
  - a) Departments:
    - Department of Defence
    - c. Department of Defence Production
    - d. Department of Defence Research and Development
    - e. Department of Ex-Servicemen Welfare
  - b) Integrated Defence Staff
  - c) Defence Intelligence Agency
  - d) Defence Acquisition Council
    - Defence Procurement Board
    - Defence Production Board
    - Defence Research and Development Board
  - e) Defence Technology Council
  - f) Andaman and Nicobar Command and Strategic Command
3. Paramilitary Forces (Ministry of Home)

Assam Rifles, the Border Security Force, the Central Industrial Security Force, the Central Reserve Police Force, the Indo-Tibetan Border Police, and the Rashtriya Rifles (National Rifles).
4. Intelligence Agencies
5. Kargil Review Committee Recommendations

### Readings:

1. Ministry of Defence, *Annual Reports*
2. *Defence Year Book* (Annual)

### DS 2.3: Indian National Security

1. Problems of India's Security: The Conceptual Framework- Global, Regional and Local environment and its impact on Security thinking. – National Interest and protection of core values
2. India's Strategic Culture and National Security policy
3. India's Nuclear Policy
4. India and Pakistan (focus on issues of dispute and efforts at normalisation)
5. India and China (focus on issues of dispute and efforts at normalisation)
6. India and the United States (post 1990-91)
7. India and Russia (post 1990-91)
8. India and the Asia Pacific (post 1990-91)
9. India and Europe (post 1990-91).
10. India and West Asia (post 1990-91)
11. SAARC
12. India and the emergent world order (since 1991)

#### Readings

1. Mishra K.P. (ed) *Foreign Policy of India: A Book of Readings* (New Delhi: Thompson (1977)
2. Prasad Bimal (ed) *India's Foreign Policy: Studies in Continuity and Change* (New Delhi: Vikas, 1979)
3. Paranjpe Shrikant *Parliament and the Making of Indian Foreign Policy: A Study of Nuclear Policy* (New Delhi Radiant, 1997)
4. Shrikant Paranjpe *India's Strategic Culture: The Making of National Security Policy*, (New Delhi: Routledge 2013)
5. *Annual Reports* of the Ministry of Defence, Ministry of Home and Ministry of External Affairs.
6. Vijay Khare, Dr. B.R *Ambedkar and India's National Security* (New Delhi: Kilaso, 2005)
7. Stephen P. Cohen and Sunil Dasgupta *Arming without Aiming: India's Military Modernization*, New Delhi: Viking, 2010

#### Journals:

International Studies (New Delhi), India Quarterly (New Delhi)

#### Report:

Annual Report, Ministry of External Affairs, Government of India, New Delhi (Latest available)

## DS 2.4: Peace and Conflict Studies

1. Peace and Conflict Studies: Nature and Scope
2. Conceptual analysis of Conflict and Peace
3. Nature and forms of Conflict
4. Conflict Management and Conflict Resolution
5. UN System : Pacific Settlement of Disputes
6. UN System: Peace Keeping, Peace making and Adjudication
7. Disarmament and Arms Control
8. Confidence Building Measures
9. Functional Approaches and Regionalism
10. Gandhian Approach and its relevance today
11. Comprehensive Security and Human Security
12. Peace Research and Peace Movements

### Readings:

1. Anatol Rapoport, *Conflict in Manmade Environment* (London: 1974)
2. J.W. Burton, *Conflict and Communication* (London, 1969)
3. C. Smith, *Conflict Resolution* (London, 1969)
4. David Mitrany *A Working Peace System* (Chicago, 1966)
5. Michal Hass *International Conflict* (New York, 1965)
6. Chomsky, Noam, , *World Orders: Old & New*, Oxford University Press, 1999
7. Galtung, John, *Peace by Peaceful Means*, Sage., 1996

**UNIVERSITY OF PUNE**  
**(M.A. / M.Sc. in Defence and Strategic Studies)**

**(From the Academic Year 2013-14)**

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Field Trip: Students of M.A. / M.Sc. are required to go for at least one field trip during their two year course.

**Syllabus**

**(From the Academic Year 2013-14)**

**Note: ( \* ) indicates compulsory course**

**(Semester III and IV would be implemented from the academic year 2014-15)**  
**Semester III**

<b>Course No.</b>	<b>Credits</b>	<b>Course Title</b>
DS 3.1*	4	Defence Economics
DS 3.2*	4	India's Internal Security and Role of the State
DS 3.3	4	Strategic Survey
DS 3.4	4	International Political Communication
DS 3.5	4	Disaster Management
DS 3.6	4	Advance Political Geography
DS 3.7	4	Ocean and Global Marine Environment
DS 3.8	4	International Organization
DS 3.9	4	International Political Economy

**(Students are required to take only TWO optional Courses in Semester III)**

### **Semester IV**

<b>Course No.</b>	<b>Credits</b>	<b>Course Title</b>
DS 4.1*	4	Science, Technology and National Security
DS 4.2*	4	Regional Security in South Asia
DS 4.3	4	Defence Journalism
DS 4.4	4	Logistics Management
DS 4.5	4	Contemporary Issues in Security Policy
DS 4.6	4	Maritime Security
DS 4.7	4	Country Study: Pakistan
DS 4.8	4	Country Study: China
DS 4.9	4	India's Strategic Culture
DS 4.10	4	Research Methodology and Research Paper

**(Students are required to take any TWO optional Courses in Semester IV)**

Note:

**1. External Students are not permitted to take the following Optional Courses:**

1. DS 3.4: International Political Communication
2. DS 4.3: Defence Journalism
3. DS.4.7: Country Study: Pakistan
4. DS 4.8 Country Study: China
5. DS 4.9 Research Methodology and Research Paper



## Compulsory Courses for Semester III

### DS 3.1: Defence Economics

1. Economic Theories of Defence
2. Determinants of Defence/Security Expenditure
3. Framework for analysis of India's Security Expenditures
4. India's Defence Budget
5. Defence and Development
6. Rationale of Arms production
7. Defence production in India
8. Economic Instruments of Policy
9. An analysis of India's security expenditures since 1947.

#### Readings

1. Ron Mathews, *Defence Production in India* (New Delhi: ABC, 1989)
2. Jasjit Singh, *India's Defence Spending: Assessing Future Needs* (New Delhi: Knowledge Publishers, 2001)
1. Y.Lakshmi, *Trends in India's Defence Expenditure* (New Delhi: ABC, 1988)
2. V.P.Malik and Vinod Anand, *Defence Planning: Problems and Prospects* (New Delhi: Manas, 2006)
3. Sanhita Athavale *Defence Services* (New Delhi: Amol Publications, 2004)
4. Annual Reports of the Ministry of Defence, Government of India.

### DS 3.2 India's Internal Security and Role of the State

1. The State:
  - a. Meaning and Elements
  - b. Role of the State
2. Internal Security:
  - a. Understanding the nature of internal security
  - b. Dimensions of the Problem: Political, Economic and Socio-cultural.
3. Approaches to the problem of Internal Security:
  - a. Role of Force

- b. Role of Political Institutions
  - c. Role of Civil Society
  - d. Role of the Media
4. Case Studies in India
- a. Kashmir Problem
  - b. Naxalite problem
  - c. Agitations in the North Eastern States.
  - d. Agitations over economic / developmental issues (including SEZ)
  - e. Agitations over religious and caste issues

## Readings

1. Shrikant Paranjpe (ed.) *India' s Internal Security : Issues and Perspectives* (Kalinga,New Delhi,2009)
2. Samaddar, Sujeet *Defence Development and National Security : Linkages in the Indian Context.* (Gyan Publishing House. N Delhi 2005)
3. Bhonsle, Rahul K. *India- Security Scope 2006: The New Great Game* Kalpaz Publication, (Delhi 2006)
4. Carpenter, William M. and Wiencek, David G., Ed. *Asian Security Handbook:* ( Pentagon Press, New Delhi. 2007)
5. Singh, Anand K. *Ethnicity and Security of India.* (Allahabad: Anubhav Pub. House, 2008)
6. Vijay Khare, *India in Global Politics,* Ksagar Publication 2008, Pune

## Optional Courses for Semester III

### DS 3.3 Strategic Survey

This is a broad survey of various global strategic issues

1. Issues: (a) Nuclear Nonproliferation, (b) Terrorism, (c) UN Peace keeping
2. Issues of strategic concern in the following regions:
  - (a) America: Economic Crisis in the US
  - (b) Europe: Process of European Integration through the European Union; Resurgence of Russia and its impact on Europe.
  - (c) West Asia: Palestinian question; Growing importance of Iran in the region.
  - (d) South, East and South East Asia: China's growing presence in the Indian Ocean Region; the Kashmir Problem and Ethnic conflict in Sri Lanka.

## Readings

1. IISS, Strategic Survey (latest survey)
2. IDSA, Asian Strategic Review (latest survey)

### **DS 3.4 International Political Communication**

(The objective of the course is to study how States seek to present their national interests and security concerns to the world at large and also their domestic audience)

1. Concept of Political Communication
  - a. Who are the actors
  - b. What is communicated
  - c. Factors that determine communication
  - d. Methods of communication (Verbal, Nonverbal, Visual)
2. International Political Communication
  - a. Survey of strategies used by Nation States to communicate their Identities and World Views and strategic concerns with special reference to USA, USSR and China during Cold War days (1945 to 1991)
  - b. Survey of strategies used by various Nation States to communicate their Identities and World Views since 1991.
3. Political Communication: India and the World
  - India's National Identity and Image
  - Focus would include case studies like Tibet Agreement, 1954; Indo-Soviet Treaty, 1971, India Sri Lanka Agreement, 1987, Indian Nuclear Policy, Terrorism, etc
4. Political Communication by Non-State Actors
  - Terrorist Organisations
  - Amnesty and Green Peace.

## READINGS

1. Peter Calvocoressi, World Politics since 1945
2. Elizabeth Hanson The Information Revolution and World Politics (Rowman and Littlefield Publishers, Lanham, 2008)
3. P Eric Louw The Media and Political Process (Sage, London, 2005)
4. Prakash Nanda (ed.), Rising India: Friends and Foes, New Delhi: Lancer Publishers, 2007)

### **DS 3.5 Disaster Management**

1. Disaster Management Concepts of disaster; Types of disaster? natural and manmade : Cyclone, flood, land slide, land subsidence, fire and earthquake. Issues and concern for various causes of disasters.
2. Principles of Disaster Management, Natural Disasters, Hazards, Risks and Vulnerabilities.
3. Assessment of Disaster Vulnerability of a location and vulnerable groups. Preparedness and Mitigation measures for various Disasters.
4. Preparation of Disaster Management Plans.
5. Issues in Environmental Health, Water & Sanitation, Earthquake Mitigation, Floods, Fire, Landslides and other natural calamities.
6. Post Disaster Relief & Logistics Management.
7. Emergency Support Functions and their coordination mechanism.
8. Resource & Material Management.
9. Management of Relief Camp.
10. Information systems & decision making tools.
11. Voluntary Agencies & Community Participation at various stages of disaster management.
12. Role of military and paramilitary forces during disaster.
13. Role of Remote Sensing, Science & Technology.
14. Rehabilitation Programmes
15. New Initiatives

### **Readings**

1. Colonel (Retd) P.P. Marathe '*Concepts and Practices in Disaster Management*' (Pune: Diamond Publications 2006).
2. Rajdeep Dasgupta '*Disaster Management and Rehabilitation*' (New Delhi:Mittal Publications 2007).
3. Kamal Taori '*Disaster Management through Panchayat Raj*'(New Delhi: Concept Publishing Company 2005).

4. Reddy, A.V.S., *Study Report on vision document for Creation of National Centre for Disaster Management (NCDM)/National Disaster Management Bureau.(NDMB)*

### **DS 3.6 Advance Political Geography**

**Objectives :** To study the dynamics of world economy from the geographical perspective. (a) To examine the linkages between spatial organisations functional interest and global realities. (b) To analyze contemporary world problem and issues with the help of geopolitical models.

1. Field and scope of Political Geography
2. Methodological Approaches in Political Geography :
  - (a) Functional Approach
  - (b) Unified Filed Theory
  - (c) The Genetic Functional Approach
3. World System Perspective :
  - (a) Evolution of World Economy
  - (b) Time and Space Matrix of World Economy
  - (c) Power and Politics
  - (d) Geo-economics
4. Management of Resources :
  - (a) Resource Distribution and Disparities
  - (b) Economic Groupings and Geopolitics
    - (i) Political Grouping (ii) Regional Groupings
  - (c) Politics of World Trade and trade treaties
5. Geopolitics in the changing world order.
6. Global Governance

### **Readings :**

1. J.R.V. Prescott, *Political Geography: Field of Political Geography* (1972).
2. P. K. Taylor, *Political Geography* (London: Longman, 1985)
3. Dickenson I. P., *The Political Geography of Underdevelopment* (Routledge, Kegan Paul, 1982)
4. Jagdish Bhagwati, (ed.) *Economics and World Order From 1970-1999*, (New York),
5. Dikshit R. D., *Political Geography : The Discipline and its Dimensions* (New Delhi : Tata MacGraw Hil, 1994).
6. Majid Husain, (ed) *Resource Geography* (New Delhi : Amol, 1994)

### **DS 3.7 Ocean and Global Marine Environment**

1. The Earth as a System, Our Geological Past
2. Atmosphere and Oceans and their Interaction
3. Human Intervention – An Agenda of Global Environment Change
4. Marine Bio-diversity, Species in Indian Ocean, Fish Resources, Endangered Species
5. Marine Food Web
6. Marine Photosynthesis, Ocean as a Biological Pump and Carbon Cycle
7. Enhanced Global Warming and Greenhouse Gasses
8. Coastlines and rising Seas, Plight of River Deltas and Wetlands.
9. Ozone Depletion in Stratosphere, Hole over Antarctica and Arctic
10. EEZ and Marine Species.
11. Over-fishing, Problems and Remedies
12. Coral Reef, Mangroves, Wetlands
13. Marine Parks and Sanctuaries
14. Harmful Algal Blooms, Global Ballast Water Management, Harmful Anti-Fouling Paints.

15. Organization in India concerning Marine Environment, Annual International Coastal Cleanup.
16. Marine Environment – Related Treaties and International Organizations.

**Readings :**

1. Rachel Carson – The Sea Around Us
2. Rachel Carson – Silent Spring
3. Anne W. Simon – Neptune’s Revenge
4. Peter Weber – Abandoned Seas, Reversing the Decline of the Oceans
5. Anne Platt McGinn – Safeguarding the Health of the Oceans
6. Vikram V. Agadi – Our Oceans
7. R.C. Sharma, PC Sinha – India’s Ocean Policy
8. Mamata Pandey, Meena Raghunathan – Oceans Omnibus
9. SZ Qasim, GS Roonwal – Living resources of India’s Exclusive Economic Zone
10. NG Menon, CSG Pillai – Marine Biodiversity Conservation and management.

**DS 3.8 International Organisation**

The course focuses on the structure and working of the United Nations with special reference to peace and security

1. The Structure of the United Nations: (a) General Assembly, (b) Security Council, (c) ECOSOC, (d) Trusteeship Council, (e) International Court of Justice, (f) Secretariat

2. Preservation of peace:

- (a) Collective Security System
- (b) Pacific Settlement
- (c) Enforcement Action
- (d) Peace keeping

- (e) Regional Security Arrangements
  - (f) Disarmament
3. Reforming the United Nations

### Readings

1. Wood Robert, (ed) *The Process of International Organisation* (New York: Random House, 1971)
2. K.P.Saksena, *Reforming the United Nations* (New Delhi: Sage, 1993)
3. SJR Bilgrami, *International Organisation*, (New Delhi: Vikas, 1983)
4. M.S.Rajan, *World Order and the United Nations* ( New Delhi: Har Anand, 1995)
5. Sugatha Ramcharrit, *United nations and World Politics* (New Delhi: Kaniksha, 1998)

Journal: International Organisation

### **DS 3.9 International Political Economy**

1. Approaches to the study of International Political Economy -(a) Liberalism (b) Mercantilism (c) Dependency
2. International Monetary System:- The Bretten Woods System -IMF - IBRD.
3. International Trade and Development : The Institutional arrangements - GATT and WTO.
4. Third World and International Development:- UNCTAD and G-77- NIEO- North South dialogue and South-South cooperation- Transfer of technology
5. Integration: Theoretical approaches- Emergence of economic organisations /trade blocks/ monetary union
6. Globalisation and its impact on the Third World.

### Readings

1. Baylis John and Smith Steve, *The Globalisation of World Politics: An Introduction to World Politics* (Oxford: Oxford University Press, 1997)
2. Goldstein Joshua, *International Relations* (New York: Harper Collins College Publications 1994)
3. Joan Spero and Jeffrey Hart, *The Politics of International Economic Relations* (New York, St. Martin's Press, 1997)



## **Compulsory Courses for Semester IV**

### **DS 4.1 Science, Technology and National Security**

(This course seeks introduce science and technology to defence applications)

1. Introduction to Military Technology - its relevance to National Security.
2. Introduction to emerging technologies.
  - (a) Energy
  - (b) Electronics, Computers, nanotech and Artificial Intelligence.
  - (c) Material Science.
  - (d) Biotechnology.
  - (e) Communications and Information Technology.
  - (f) Transportation and vehicle technology.
3. Application of technologies to:-
  - (a) Armament and Weapon systems.
  - (b) Missile Technology.
  - (c) Communications and Radar technology.
  - (d) Electronic Warfare and Information Warfare.
  - (e) RNBC Warfare and Nuclear Energy.
  - (f) Aircraft and Ships.
  - (g) Satellite and Space technology.
  - (h) Intelligence.
  - (j) Logistics (transport, supplies, inventory, medical, repair, clothing and equipment).
  - (k) Border Management.
4. Impact of developing technologies on Military Doctrine and conduct of warfare.
5. Application of new technologies for Internal Security, Disaster Management, Training and Administration.
6. Non military use of modern technologies and their impact on National Security (Power and energy, Trade, Economy, Banking, Media etc).

## Readings

1. Nanda B.S. *Science and Technology in India's Transformation* (New Delhi: Concept, 1986)
2. Kenneth Maksey *Technology in War* (London, 1961)
3. M.R. Bhagwan *Technological Advance in the Third World: Strategies and Prospects* (Bombay: Popular, 1990)
4. *Science and Technology and their Implications for Peace and Security* (New York, UN, Dept of Disarmament, 1990)

### **DS 4.2: Regional Security in South Asia**

1. Geopolitics of South Asia
2. Security challenges in South Asia:
  - i. Nuclear Policies of India and Pakistan
  - ii. Cross Border Terrorism
  - iii. Ethnic problems in Sri Lanka
  - iv. Migration
3. Afghanistan: Developments since 2001
4. Political changes and impact on the security of South Asia in (a)Pakistan  
(b) Nepal; (c) Bangladesh; (d) Maldives
5. External Influences: United States, Russia and China

## Readings

1. Gonsalves, Eric and Nancy Jetly, eds., *The Dynamics of South Asia : Regional Corporation and SAARC*, (New Delhi : Thousand Oaks, London : Sage Publication, 1999).
2. A, Vandana and Ashok C. Shekla, *Security in South Asia : Trends and Directions* (New Delhi : APH Publishing Corporation, 2004).

3. Gupta, Bhabani Sen, "South Asian Perspectives : Such nations in conflict and Co-operation", (Delhi : B. R. Publishing Corporation, 1988).
4. Cohen, Stephen Philip, ed., "The Security of South Asia : American and Asian perspectives", (New Delhi : Vistaor Publications, 1987).
7. Suvarna Rajagopalan, ed., "Security and South Asia : Ideas, Institutions and Initiates", (New Delhi : Routledge, 2006).
8. Rafiq Dossani and Heury S. Rowen, eds., "Prospects for peace in South Asia", (Hyderabad, Orient Longman, 2005).
9. Shrikant Paranjpe India and South Asian since 1971 (Radiant, New Delhi 1985)

### **Optional Courses for Semester IV**

#### **DS 4.3 Defence Journalism**

1. Definition, Nature and Scope of Journalism - Qualifications, Duties and Responsibilities of Journalists - Journalism as a profession - Media and Society. Characteristics of Mass Media: Newspaper, Magazine, Radio, TV, Cinema.
2. Journalistic writing, characteristics and types - news, features, articles, editorials, columns, letters to the editors & review.
3. Structure of the Defence Establishments in India
3. Introduction to Specialization in Journalism - Defence Journalism
4. Code of ethics for media - brief introduction to recent trends in mass media; Cultural imperialism, Infotainment, media activism, agenda setting, gate keeping,

## **Readings**

1. M. V. Desai and Seventi Ninan (ed) *Beyond Those Headlines* – ( Media Foundation, Allied Publishers Ltd. )
2. D.S.Mehta *Mass Communication and Journalism in India*
3. B.G.Varghese *Indian Journalism*
4. M. V. Kamat *Professional Journalism*
5. B. N. Ahuja *Theory and Practice of Journalism*
6. Defence Yearbook (Annual)
7. Ministry of Defence *Annual Report* (Current Year)

### **DS 4.4 Logistics Management**

The course focuses on the logistics systems, the organization, role and the operational essities with reference to the Indian Armed Forces.

1. Nature of Modern War- Spectrum and Tools of Conflict, Economic Resources and Industrial base.
2. Meaning, Scope and Principles of Logistic management
3. Organisational Structure for Logistic Support
4. Logistic Planning in war and peace times
5. Higher direction of Defence Logistics- Procurement of goods and services , Financial implications, Contract management.
6. Reforms in Logistic management

Readings:

1. Klaus Knorr, War Potential of Nations
2. Henry Eccles, Logistics in the National Defence

### **DS 4.5 Contemporary Issues in Security Policy**

1. Contemporary Geostrategic Landscape: Focus on post cold war geostrategic readjustments and their implications on recent global developments related to politics, economics and defence/security.
2. Non-Military Dimensions of Security: Contemporary issues of Strategic Importance:(a) Environmental Issues, (b) Cultural Conflicts, (c) Humanitarian issues and Human Rights, (d) Gender Issues (e) Energy Crisis (f) Comprehensive Security

### Readings

1. Baylis John and Smith Steve, The Globalisation of World Politics: An Introduction to World Politics (Oxford: Oxford University Press, 1997)
2. Goldstein Joshua, International Relations (New York: Harper Collins College Publications 1994)
3. Zeigler David, War, Peace and International Politics (Boston: Little Brown & Co., 1981)
4. Jackson Robert and George Sorensen Introduction to International Relations (Oxford: Oxford University Press, 1999)
5. Kegley Charles W. Jr., and Whittkopf Eugene R, World Politics : Trends and Transformation (Hampshire: Mac Millan 1989)
6. Williams Mare (ed) International Relations in the Twentieth Century: A Reader (London: Macmillan, 1989)

### **DS 4.6 Maritime Security**

1. Marine Environment: Brief history of oceans; Maritime boundaries; Maritime Zones, 1976 Act; Territorial Sea, Contiguous Zone, Continental Shelf, Legal Continental Shelf, Exclusive Economic Zone, High Seas; Rights and duties of the coastal states in various zones; The Law of the Sea Convention; Marine Pollution and its protection.
2. Maritime Assets: Fixed Assets, ports and infrastructure therein, naval bases and infrastructure therein, oil rigs and exploration platforms, light houses, navigational aids; Moveable Assets, warships, merchant ships, fishing vessels and crafts, dredgers, underwater pipelines etc.
3. Navy and its Role: Historical backdrop as to its need; Mahanian postulation; Types of warships including aircraft carriers and submarines both conventional and nuclear; Weapons including missiles and anti-missiles; Post Independence historical naval operations including 1971 operations; Navy's role both defensive and offensive; Global Scenario particularly the US navy, Royal Navy, the Chinese navy and the Pakistan navy etc.
4. Coast Guard and its Role: Its origin and need; Functions including SAR, anti smuggling and anti-poaching roles, protection of marine environment. Its role in times of war and during emergencies such as massive oil pollution etc.
5. Merchant Navy and its Role: Types of ships including gas carriers and containerships etc, its role in the economy of the country etc.
6. Maritime Threats (I): Dimensions of Maritime Security; National Security – Defence of coastline and island territories and defence of fixed maritime assets against conventional state enemies or potential enemies; Defence of Lines of Communications; Convoy system, World War II convoys; Landing Ship Tanks and their role; Submarines and submarine operations including nuclear submarine operation
7. Maritime Threats (II): Threat to maritime trade; Terrorism, examples of terrorist groups: LTTE, Free Aceh Movement, Abu Sayyef, Al Qaeda; Piracy, types of piracy, methods of attack, piracy reporting and precautions; Stowaways, People Smuggling, human trafficking; Drugs, where they come from, cocaine, crack cocaine, heroin, cannabis, synthetic drugs, drug carriers, drugs and security.

8. Maritime Threats (III): Threat to Shipping; Oil tankers; Containers and containerships; LPG and LNG carriers; Bulk Carriers; Passenger/Cruise Ships; Basics of Cruise ship security; Miscellaneous vessels; Physical security, surveillance, patrols; Choke points, seaways, ship canals; Cyber threats.
9. Maritime Security: Evolution, 1961-attack on Dara, 1984- Achille Lauro; IMO and its role in maritime security; SUA (Suppression of Unlawful Acts Convention); ISPS Code (International Ship and Port Facility Security); SOLAS and Security.
10. ISPS Code: Elements of the Code, role of ports, companies, ships; their obligation, training and education of personnel; Operational and commercial implication of the Code; policing security; International Port State Regimes; Security levels; Ship security plans.
11. Miscellaneous Security Measures (I): Security and seafarers, identity, Biometrics, border control; security planning and practice; Basic shipboard security procedures, who to search, what to search, when to search, search techniques, baggage search, searching spaces, search techniques; stowage, bomb threats.
12. Miscellaneous Security Measures (II): Security equipment; AIS (Automatic Identification System); Ship Security Alert System (SSAS); LRIT (Long Range Identification and Tracking); Common security measures such as access control, locks, coded and biometric locks, barriers , gates; Screening equipment, metal detection, baggage screening, vapour detection, x-ray systems, physical search, use of dogs; Monitoring ship security; automatic intruder devices; CCTV (Closed Circuit TV); Night vision equipment; Blast containment equipment; Property tagging, firearms; Long range acoustic devices, armed guards.
13. Miscellaneous Security Measures (III): Ports and Port Facilities; Perimeter protection and fencing, port perimeter security sensors; Number plate recognition system; Security lighting; Hi/low motion activated lighting; X-ray, Gamma Ray and Neutron Scanning; Underwater Surveillance; Waterside Barriers; Boat patrols; Vessel traffic Services (VTS); Security Equipment Objectives; Security equipment/system limitations.

## **Readings**

1. Rahul Roy Chaudhary, India's Maritime Security (Knowledge World, New Delhi, 2000)
2. V.R.Raghvan and Lawrence Prabhakar, Maritime Security in the Indian Ocean Region: Critical issues in Debate
3. K.R.Singh New Challenges to Maritime Security: Legality and Legitimacy of Responses
4. Freedom to use the Seas: India's maritime Military Strategy (Integrated HQ, Ministry of Defence, (Navy), New Delhi, 2007)
5. Steven Jones Maritime Security: A Practical Guide (London: Nautical Institute)
6. Ravi Vihra and D.Chakraborty, (ed) Maritime Dimensions of a New World Order (New Delhi: National maritime Foundation)

## **DS 4.7 Country Study: Pakistan**

1. Emergence of Pakistan as an independent State.
2. Pakistan & Islam
3. Pakistan's political system & its Evolution
4. Pakistan & its Socio-Cultural and Ethnic Composition.
5. Pakistan's Economic challenges
6. Pakistan & India.
7. Pakistan & Afghanistan
8. Pakistan & China
9. Pakistan & its sub continental Neighbours.
10. Pakistan, USA and Western countries.
11. Pakistan & Islamic world.
12. Pakistan's Foreign and Defence policies.

## **Reading**



1. Barki Shahid Javed, Historical Dictionary of Pakistan (Scarecrow Press), Uk-2006.
2. Malik Iftikhar H., Culture & Customs of Pakistan (Greenwood Press), London-2006.
3. Aziz Mazhar, Military Control in Pakistan : The Parallel State, (Routledge London-2008.
4. Jones, Owen Bennett, Pakistan, Eye of the Storm (Penguin Books), New Delhi-2002.
5. Kukreja Veena, Contemporary Pakistan, Political Processes, Conflicts and Cases, (Sage), New Delhi-2003.
6. Cohen, Stephen Philip, The idea of Pakistan, (Oxford University), 2005.
7. Baxter, Craig. Ed., Pakistan on the Brink : Politics, Economics and Society, (Oxford University Press), New Delhi-2004.
8. Ziring Lawrence, Pakistan : At the Crosscurrent of History, (Manas Pub.), New Delhi-2005.
9. Forugui, Ahmed, Rethinking the National Security of Pakistan : The Price of Strategic Myopia, (Ashgate Pub.), England-2003.
10. Kukreja, Veena and Singh, M. P., Pakistan : Democracy, Development & Security issues, (Sage Pub.), New Delhi-2005.
11. Qacleer, Mohammad A., Pakistan : Social and Cultural Transformations in a Muslim Nation, Rutledge", London-2006.
12. Statesman Yearbook (Current year)

## DS 4.8 Country Study: China

1. Emergence of China & Global Power Politics
2. Political System in China
3. Ethnic Composition in China
4. Strategic & Military Capability & its role in global power politics
5. Strategic & Security relation between China & India.
6. China & Pakistan Strategic Relation
7. China & Asia
8. China's Defence and Security Expenditure
9. China's Nuclear Doctrine
10. China-Japan Strategic Relation

### Reading

1. Robert André LaFleur, *Asia in focus China*, ABC-CLIO, 2010
2. Michael Dillon, *China: A Historical and Cultural Dictionary* Durham East-Asia series, Psychology Press, 1998
3. The Editorial Committee of Chinese Civilization: A Source Book, City University of Hong Kong, *China: Five Thousand Years of History and Civilization*, City University of HK Press, 2007
4. John King Fairbank, Merle Goldman, *China: A New History, Second Enlarged Edition*, Harvard University Press, 2006
5. Ray Huang, *China: A Macro History*, An East Gate book, M.E. Sharpe, 1997
6. Tai Ming Cheung, *Fortifying China: The Struggle to Build a Modern Defense Economy*, Cornell University Press, 2009

7. Andrew James Nathan, Andrew Scobell, *China's Search for Security*, Columbia University Press, 2013
8. Patricia Buckley Ebrey, *The Cambridge Illustrated History of China*, Cambridge University Press, 2010
9. Jonathan Holslag, *China and India: Prospects for Peace*, Columbia University Press, 2013
10. Robert G. Sutter, *Chinese Foreign Relations: Power and Policy since the Cold War*, Rowman & Littlefield Publishers, 2012
11. June Teufel Dreyer, *China's Political System*, Pearson Education, 2012
12. Statesman Yearbook (Current year)

## DS 4.9 India's Strategic Culture

1. Concept of Strategic Culture
2. Strategic Culture and International Relations Theory
3. Sources of Indian Strategic Culture
4. Understanding Indian Strategic Culture
5. Applying Strategic Culture in Indian context:
  - i. Internal Security Issues
  - ii. Nuclear Policy

### References:

Bajpai Kanti and Mattoo Amitabh. 1996. *Securing India: Strategic Thought and Practice*. New Delhi: Manohar Publishers.

Basrur Rajesh. 2001. 'Nuclear Weapons and Indian Strategic Culture', *Journal of Peace Research*, Vol.38 (2): 181–198

Brecher Michael. 1968. *India and the World: Krishna Menon's Views of the World*. London: Oxford University Press.

Cohen Stephen P. 1971. *The Indian Army: Its contribution to the Development of a Nation*. Berkley: University of California Press.

Cohen Stephen P. and Dasgupta Sunil. 2010. *Arming without Aiming: India's Military Modernization*. New Delhi: Penguin Publications.

Cohen Stephen. 2001. *India: Emerging Power*. New Delhi: Oxford University Press.

Mende Tibor. 1958. *Conversations with Nehru*. Bombay: Wilco Publishing House.

Paranjpe Shrikant, *India's Strategic Culture: The Making of National Security Policy* (New Delhi: Routledge, 2013)

Rana A.P. 1979. *Imperatives of Nonalignment: A Conceptual Study of India's Foreign Policy Strategy in the Nehru Period*. New Delhi: Macmillan.

Sandhu Gurucharan Singh. 2000. *A Military History of India*. New Delhi: Vision Books.

**DS 4.10 Research Methodology and Writing of a Research Paper**  
**(This course cannot be taken by external students)**

Part I (This is for Internal Assessment of 30 marks)

This introduces the students to various tools and approaches used in social sciences and the formulation of a Research Framework.

1. Nature of Social Sciences and Research
2. Recent trends in Social Science Research
3. Descriptive and Historical Methods
4. Scientific Approaches
5. Planning a research Project.

Readings:

1. M.H. Gopal, An Introduction to Research procedure in Social Sciences, (Asia Publications, 1970)
2. J A Khan Research Methodology (APH Publications, New Delhi, 2007)

**Part II**

Students are advised to select their topic in consultation with their guide.

The research paper is a longish research essay of publishable quality (of about 30 to 40 pages /approx. 10,000 words).

Format of Submission:

- (g) Students are required to submit TWO Copies of the dissertation, duly typed and bound.
- (h) Use A 4 size paper and use Times New Roman script with 12 font size and one and a half spacing for lines.

.Evaluation

1. The evaluation shall be done by the Internal Examiner (Guide) and one External Examiner from within the Department or the Post Graduate Centre. (Evaluation done in a combined manner for 50 marks)
2. Students would have to make a seminar presentation in the Department or the Post Graduate Centre. (Evaluation done by the Guide and the External Examiner who evaluates the written report in a combined manner for 20 marks)
3. Evaluation: Research Methodology: 30 marks/Paper 50 Marks/Seminar 20 Marks – Total: 100 marks.