

**Deen Dayal Upadhyaya Gorakhpur University,
Gorakhpur**



Syllabus

for

Two Year

Post Graduate Programme

2024

Department of Defence & Strategic Studies

Faculty of Science

Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur

M.A./M.Sc. Programme (2 year)

COURSE STRUCTURE

First Semester

S. No.	CODE	COURSE NAME	TYPE	CREDIT
1	DSS 501 N	Strategic Theories and Concepts	Core	4
2	DSS 502 N	National Security: Concept and Theories	Core	4
3	DSS 503 N	Disarmament and Arms Control	Core	4
4	DSS 504 N	Economic Aspects of War	Subject Elective	4
5	DSS 505 N	Security and Cooperation in South Asia	Subject Elective	4
6	DSS 506 N	Practical	Core	4

Second Semester

S. No.	CODE	COURSE NAME	TYPE	CREDIT
1	DSS 507 N	Indian Military History (from 1947 to Date)	Core	4
2	DSS 508 N	International Relations : Concept and theories	Core	4
3	DSS 509 N	Legal Aspects of war	Core	4
4	DSS 510 N	India's Internal Security Management	Subject Elective	4
5	DSS 511 N	Geopolitics and Military Geography	Subject Elective	4
6	DSS 512 N	Cyber Security	Open Elective	4
7	DSS 513 N	Practical	Core	4

Third Semester

S. No.	CODE	COURSE NAME	TYPE	CREDIT
1	DSS 514 N	Research Methodology	Core	4
2	DSS 515 N	Science, Techonology and National Security	Core	4
3	DSS 516 N	Conflict and Media	Core	4
4	DSS 517 N	Contemporary Strategic Environment and Issues	Subject Elective	4
5	DSS 518 N	Evolution and Development of Western Art of War	Subject Elective	4

6	DSS 519 N	Practical	Core	4
7	DSS 520 N	Project	Core	4

Fourth Semester

S. No.	CODE	COURSE NAME	TYPE	CREDIT
1	DSS 521 N	India's Defence and Foreign Policy Initiatives	Core	4
2	DSS 522 N	Security Challenges in 21st Century	Core	4
3	DSS 523 N	India's Maritime Security	Core	4
4	DSS 524 N	Military Sociology	Subject Elective	4
5	DSS 525 N	Disaster Management & Civil Defence	Subject Elective	4
6	DSS 526 N	Practical	Core	4
8	DSS 527 N	Project	Core	4

Semester- I		
DSS- 501 N	Strategic Theories and Concepts	Credit - 4

Course Objective:

The objective of the course is to provide knowledge about the concepts of strategy and tactics and relationship between war and politics and the thoughts of noted strategic thinkers on these topics to develop strategic thinking skills of the students.

UNIT- I

1. Machiavelli: Thoughts on War and Politics
2. Napoleon: Warfare, Tactics and Reforms
3. Clausewitz: War and its Relationship with Politics, Strategy and Tactics

UNIT- II

1. Jomini: Concept of Mass Army, Strategy, Tactics and Line of Operations.
2. Andre Beaufre: Thoughts on Nuclear Deterrence
3. Armoured and Mechanized Warfare- Comparative Study of the Thoughts of Fuller and Liddell Hart

UNIT- III

1. Mackinder: Heart Land Theory
2. Second World War: Strategy and Tactics

3. Seversky- Theory of Air Power, Evolution of Air Power in W.W. II

UNIT-IV

1. Shukracharya- Shukraniti, Danda Niti, State related ideas in Shukraniti
2. Chanakya's Ideologies– Saptang Theory of State, Relevance of Chanakya's theory in contemporary scenario
3. Samarth Ramdas – Strategy and Tactics

Suggested Readings:

1. जे. एम. श्रीवास्तव, स्त्रातजिक चिंतन, प्रत्युष पब्लिकेशन, दिल्ली 2014
2. डॉ. आर. के. सिंह, राकेश सिंह, रजवंत सिंह, विश्व के प्रमुख स्त्रातजिक चिंतक, शारदा पुस्तक भवन, इलाहाबाद, 2016
3. डॉ. राम सूरत पाण्डेय, स्त्रातजिक विचारक, उद्भव एवं विकास, प्रकाश बुक डिपो, बरेली, 2015
4. डॉ० परशुराम गुप्त, महान स्त्रातजिक चिन्तक समर्थ रामदास, प्रकाश बुक डिपो बरेली, 2009
5. L. Spalding & J.W. Wright, Warfare, Washington 1937
6. F. Gilbert, Machiavelli, Art of War.
7. Makers of Modern Strategy, E. M. Earl, at el. (eds), 1986
8. L. Montros, War Through the Ages, New York, 1960.
9. M. Howard, War in European History, London 1976.
10. J. F. C. Fuller, Conduct of War, New Delhi
11. Shekhar Adhikari, Military Thinking of Ancient India, Pentagone Press, 2016

Course Outcome:

After completion of this course the student will be able to:

1. Understand the nature, scope and development of strategic thoughts.
2. Understand the concepts of strategy and tactics, relationship between war and politics in view of noted strategic thinkers.
3. Understand the concept of armoured and mechanized warfare

Semester- I		
DSS – 502 N	National Security: Concept and Theories	Credit - 4

Course Objective:

For a country, national security has always been an issue of prime importance. It has wide scope and interdisciplinary nature. This paper is introduced with the objective of developing deep understanding of the concept, theories, determinants and threats of national security in terms of contemporary thinking and, of course, the needs. The course is very important for various competitive exams such as NET, PCS and other teaching jobs.

UNIT-I

1. Concept of National Security
2. Determinants of National Security
3. National Security in the Age of Globalization: New Threats and Challenges

UNIT-II

1. Comprehensive Security: Meaning and Scope
2. Non-Traditional Security: Meaning and Scope
3. Human Security: Meaning and Scope

UNIT-III

1. Energy Security
2. Environmental Security
3. Cyber Security

UNIT-IV

1. Foreign Policy: Concept, Objectives and Lineages
2. Defence Policy: Concept, Objectives and Lineages
3. Defence Cooperation, Strategic Partnership and Security Dialogue: New Trends in 21st Century Scenario

Suggested Readings:

1. K. Subramanyam, Our National Security, Economic and Scientific Research Foundation
2. Michael Clark, New Perspective on Security; London, 1993.
3. S. D. Sinha, Security in the New World Order, Chanakya Publication, Delhi, 1993.
4. Gautam Sen, India's Security Consideration in Nuclear Age, Atlantic, New Delhi, 1986.
5. Chitrapu Uday Bhaskar, India's Security Concerns.
6. N. S. Sisodia & C. Uday Bhaskar, Emerging India: Security on Foreign Policy Perspectives, IDSA, New Delhi.
7. Barry Buzan, People, States and Fear: The National Security.

Course Outcome:

After completion of this course the student will be able to:

1. Understand the evolution of the concept and theories of national security with the determinants.
2. Understand Non-Traditional security threats and challenges in the present world as well as in coming decades.
3. Understand the relevance of defence cooperation, strategic partnership and security dialogue between the states in modern times.

Semester- I		
DSS- 503 N	Disarmament and Arms Control	Credit - 4

Course Objective:

A stable and lasting world peace and security can only be built on the negation of arms race and the achievement of real disarmament. The objective of the course is to develop understanding of the causes of armament and the need of disarmament and arms control for world peace and security. The course is introduced to develop understanding of its social and economic consequences.

UNIT-I

1. Armament: Meaning, Development and New Trends.
2. Basic Concepts, Theories and Correlation between Disarmament & Arms Control
3. Disarmament & Arms Control: Objectives and Nature

UNIT-II

1. Elements of Arms Control Mechanism: Agreements, Verification, Inspection and Control.
2. Measures of Arms Control and Disarmament
3. Weapons of Mass Destruction (WMD): Nuclear Weapons, Chemical, Biological and Weather Weapons.

UNIT-III

1. Concept of Non-Proliferation, Non-Proliferation Treaty, PTBT, CTBT, MTCR, FMCT and other Treaties
2. Nuclear Policies of Nuclear Weapon States (NWS) & Non-Nuclear Weapon States (NNWS)
3. Terrorism and Nuclear Proliferation

UNIT- IV

1. Arms Trade Treaty (ATT) and its Implications for Regional & Global Security
2. Disarmament and Development
3. Social and Economic Consequences of Disarmament & Arms Control

Suggested Readings:

1. SIPRI Year-Book of Armament and Disarmament.
2. US Arms Control & Disarmament Agency Publications.
3. IISS Publications: Adelphi Papers, Survival.
4. IDSA Publications.
5. ICWA Publications.
6. UN Publications.

7. Emile Benoit & K.E. Boulding, 1963, Disarmament and the Economy, Harper and Row Publisher, New York.
8. R. Faramazyan, 1981, Disarmament and Economy, Progress Publishers Moscow
9. Military Balance ISSS, London.
10. Disarmament and World Peace, Dr.Ashok Kumar Singh,Prakash Book Depot, Bareilly,2018

Course Outcome:

After completion of this course the student will be able to:

1. Understand the basic concepts and facts related to armament, disarmament and arms control.
2. Understand the impact of development and proliferation of the conventional as well as the Weapons of Mass Destruction on regional and global peace and security.
3. Understand social and economic consequences of disarmament and arms control

Semester- I		
DSS- 504 N	Economic Aspects of War	Credit - 4

Course Objective:

Defence and development are the two sides of the same coin. The objective of course is to study the basic concept and theories of defence economics and to understand the interrelationship of war and economy.

UNIT-I

1. Was Economic- Concept, War and Peace Economy
2. Problems and Solutions of War Economy
3. Economic Warfare

UNIT-II

1. Economic Potential of War
2. Cost of War
3. War Finance

UNIT-III

1. Defence Production in India
2. Economics of Disarmament
3. Defence Budget- Comparative Study of India, Pakistan and China Defence Budget

UNIT-IV

1. The New International Economic Order– Concept, Economic Rights of States, Economic Duties of States, South-South Cooperation, North-South Dialogue
2. Regional Economic Groupings- SAPTA, BIMSTEC, IBSA, GATT, World Bank and IMF
3. World Bank and International Monetary Fund (IMF)

Suggested Readings:

1. जे. एम. श्रीवास्तव, प्रतिरक्षा अर्थशास्त्र, ए. एस. आर. पब्लिकेशन्स, गाजियाबाद 2015
2. डॉ. एस.डी. शर्मा, यौद्धिक अर्थशास्त्र, भारत प्रकाशन मंदिर, अलीगढ़
3. तपन विश्वाल, आर्थिक सम्बंध, मैकमिलन पब्लिकेशन देलही 2013
4. Rethinking the Economics of war: The intersection of Need, Creed and Greed Edited by Cynthia J Arnson, Published:28 October 2005, ISBN 13:9780801882982
5. Economics of war and Peace: Economic Legal and Political perspectives, edited by Ben Goldsmith, published: Emerald Group Publishing Limited, Published: 01 July 2010, ISBN 13:99780857240040
6. The Economics of war: The Economics of war by Pal Poast, Publisher: Mc Graw Hill Higher Education, Published:21 March,2008, ISBN 13:9780073133997
7. Economic Theories of Peace and war (Studies in Defence Economics) by Fanny Coulomb, Publisher: Routledge' Published:24 September, 2004, ISBN 13:9780415284080
8. The Economics of war I Stephen Broadberry (Editor) Mark Harrison(Editor), Publication Date: April 2, 2009 ISBN 10 0521107253.
9. पुष्पा जैन, सम्पूर्ण सैन्य विज्ञान, विश्वविद्यालय प्रकाशन, ग्वालियर, मध्यप्रदेश, 1999
10. डा. लल्लनजी सिंह, युद्ध और शांति की समस्याएं, प्रकाश बुक डिपो बरेली, 1997-98
11. डा. एस.डी. शर्मा, यौद्धिक अर्थशास्त्र, भारत प्रकाशन मंदिर, अलीगढ़.

Course Outcome:

After completion of this course the student will be able to:

1. Understand the basic concept and theories of defence economics.
2. Understand the inter-relationship of war and economy.
3. Understand the new international economic order

Semester- I		
DSS- 505 N	Security and Cooperation in South Asia (Elective)	Credit - 4

Course Objective:

South Asia is the most populous region in the world. It enjoys a unique strategic location and offers an enormous economic potential. But, unfortunately, this region is plagued with

various inter-state and intra-state conflicts. The objective of the course is to understand the conflict and cooperation matrix of South Asia region.

UNIT- I

1. Geo-Political Setting of South Asia
2. Strategic Importance of South Asia
3. Society, Culture and History of South Asia

UNIT- II

1. Strategic Importance of Afghanistan, Myanmar and China for South Asia
2. Major Powers in South Asia (USA, Russia, China)
3. Contemporary Issues and Conflicts in South Asia

UNIT- III

1. Regional Cooperation: Conceptual Dimensions
2. Prospects of Sub-Regional Cooperation in South Asia
3. SAARC

UNIT-IV

1. Maritime Cooperation in South Asia
2. Role of Pressure Groups in Politico-Military Scenario of South Asian Countries
3. Peace Initiatives in South Asia

Suggested Readings:

1. K.E. Boulding, Conflict and Defence: A General Theory, New York, 1962
2. Anima Bose (ed.), Peace and Conflict Resolution in World Community, New Delhi, 1919
3. Bhaskar Rao, Global Perceptions on Peace Education, New Delhi, 1996.
4. Peter Ackerman & Jack Duvall, A Force More Powerful: A Century of Non-Violent Conflicts, New York, 2000.
5. B. Boutros Ghali, An Agenda For Peace: Preventive Diplomacy, Peace Making and Peace Keeping, (U.N. Report), New York, 1992.
6. B.U. Bright, Educating for Peace, New York, 1985.
7. Adam Curle, Another Way: A Mechanistic View of War and Peace, Cambridge, 1927
8. A.C. Dasgupta, Non-Violence: The Invincible Power, Calcutta. 1956.
9. Lewis Caser, Functions of Social Conflict, New York, 1956.
10. J.W. Burton, International Conflict Resolution, New York, 1965.

Course Outcome:

After completion of this course the student will be able to:

1. Understand the concept and scope of conflict and co-operation studies.
2. Understand the conflict and co-operation matrix of South Asia.
3. Understand the internal problems and issues of the region and prospects of peace and co-operation.

Semester- I		
DSS- 506 N	Practical	Credit - 4

Students are assigned with the practical task of spotting and strategic briefing of the following with the help of given maps/computer-based presentations:

1. Headquarters of Indian Army.
2. Headquarters of Indian Air force.
3. Important Naval bases and ports of India.
4. Important Nuclear and space Research Establishments in India.
5. Defence Research and Development Organization in India.

After Completion of the Course the students will submit a record file.

Semester- II		
DSS- 507 N	Indian Military History (from 1947 to Date)	Credit - 4

Course outcomes:

After undergoing this course a student will be in a position to become familiar in evolution of art of warfare in modern India; learn and understand the strategy, tactics, application of principles of war and causes of defeat and victory of various wars. Besides, this course enabled the student to appreciate and understand evolutionary changes in the art and science of war in India through ages.

UNIT-I

1. Partition of India and the armed forces; Background
2. Military operations in Kashmir (1948)
 - a. Kashmir dispute: Genesis and progression
 - b. Military Operations
 - c. Role of Air Force
 - d. Politico-Military Lessons

UNIT-II

3. Sino-Indian Conflict (1962)
 - a. Background of the Sino-India Border Dispute
 - b. Military operations
 - c. Politico-Military Lessons

UNIT-III

4. Indo-Pakistan Conflict (1965)
 - a. Background and causes

- b. Military operations
- c. Role of Navy and Air Force
- d. Politico-Military lessons

UNIT-IV

A. Indo-Pakistan Conflict (1971)

- a. Genesis and Causes
- b. Military operations on the Western Front
- c. Military operations on the Eastern Front
- d. Role of Air Force and Navy in the Military operations
- e. Emergence of Bangladesh
- f. Politico-Military lessons

B. Indian Defence: Contemporary scenarios with special reference to Kargil Conflict, 1999

Suggested Readings:

1. S.D. Singh, Ancient India Warfare with special reference to the Vedic Period.
2. B.K. Majumdar, Military system in Ancient India.
4. B.K. Majumdar, Bhartiya Sena Ka Itihas.
5. Fuller, J.F.C., Generalship of Alexander the Great.
6. R.P. Kangle, Kautilya Arthashastra.
7. J.N. Sarkar, Military History of India.
8. King Lucas, Memoirs of India.
9. I. Irvin, Bhartiya, Mughalon Ki Sainya Vyavashtha, translated by R. Tiwari.
10. S.N. Sen, Military System of Marathas.
11. Duff, Grant Marathon Ka Itihas.
12. F.S. Bajwa, Military System of Sikhs

Course Outcome:

After completion of this course the student will be able to:

1. Understand the basic concepts of the Indian military traditions.
2. Understand comparative analysis of Indian military systems during different Periods of modern history and the military system.

Semester- II		
DSS- 508 N	International Relations: Concept and Theories	Credit - 4

Course Objective:

The objective of the course is to help students to study and understand main concepts and theories and approaches of the discipline and the development of international relations of India with other countries.

UNIT- I

1. International Relations: Meaning, Nature and Scope
2. Theories and Approaches: Realism and Idealism
3. Foundation and Limitations of National Power and National Interest

UNIT- II

1. Theories of Balance of Power and Collective Security
2. Non-Alignment: Concept and Importance in Modern Time
3. Regional Organization- SAARC, ASEAN, BIMSTEC, BRICS and other

UNIT- III

1. Cold War: Nature and Evolution since 1945
2. Detente
3. New Cold War Era

UNIT- IV

1. Development of International Relation in Changing Scenario
2. Impact of Nuclear Weapons on International Relation
3. Diplomacy: New and Old

Suggested Readings:

1. H. J. Morgenthau, Politics Among Nations
2. Dr. Mahendra Singh, Theoretical Aspects of International Politics,
3. Palmer & Perkin, International Relation
4. Strategic Analysis, IDSA, New Delhi
5. Coulombis, Wolfe, Introduction to International Relations.

Course Outcome:

After completion of this course the student will be able to:

1. Understand the basic concept, meaning, nature, scope and theories & approaches of international relations.
2. Understand the foundations and limitations of national power, national interests and foreign policy.

3. Understand the principles and objectives of Indian foreign policy and the development of India's international relations with major foreign countries.

Semester- II		
DSS- 509 N	Legal Aspects of war	Credit - 4

Course Objective

Legal aspects of war are essential for the survival of the concerned state. The objective of the course is to develop understanding of the concept and the various dimensions of war and its legality. Human right and Humanitarian law are issues related to the legal aspects of war. Legal status of refugees is an important problem for the world countries. This course is introduced to develop understanding of the various legal issues and dimensions of war.

UNIT- I

1. War: Concept, Declaration of War, Legal Regulation on War, Effects of War
2. Settlement of Disputes
3. Neutrality

UNIT- II

1. Laws of Land Warfare
2. Laws of Maritime Warfare
3. Laws of Aerial Warfare

UNIT- III

1. Legality of Nuclear Warfare
2. Blockade and Enemy Character
3. Human Rights: Concept, Classification, Declaration and International Convention

UNIT- IV

1. Human Rights in Indian Constitution, NHRC
2. Concept and Theories of International Humanitarian Law
3. Refugee: Concept, Refugee Problems in South Asia, Solutions

Suggested Readings:

1. M.P. Tandon and Rajesh Tandon (1987), An Introduction of International Law, Allahabad Law Agency, Allahabad.
2. S.K. Kapoor, (1987), International Law, Central Law Agency, Allahabad.
3. R.S. Chavan, (1971), An Approach to International Law, Sterling Publisher, New Delhi.
4. J. Starke, (1972), An Introduction to International Law, Butterworth, London.

5. Oppenheim (2008), International Law, 9th Edition, University of Cambridge.

Course Outcome:

After completion of this course the student will be able to:

1. Understand the legal concept of war and legal regulations on war.
2. Understand the various dimensions of human rights, its violations and protection as well and international law.
3. Understand the concept and theories of international humanitarian law and Refugee.

Semester- II		
DSS- 510 N	India's Internal Security Management	Credit - 4

Course Objective

The objective of this course is to make the students aware about the Internal Security Management System of India. Under this, students will be able to become familiar with the internal security management framework and the role of all major implementing agencies and its organisational structure.

UNIT- I

1. National Security Council
2. National Security Advisory Board
3. Role of Army in Internal Security Management

UNIT-II

1. Indian Police Service (IPS)
2. Central Armed Police Force (CAPF)
3. National Disaster Management Authority

UNIT-III

1. Intelligence Bureau (IB)
2. National Investing Agency
3. National Crime Records Bureau (NCRB)

UNIT-IV

1. Narcotics Central Bureau (NCB)
2. National Cyber Coordination Centre (Cycord)
3. National Technical Research Organisation (NTRO)

Suggested Readings

1. M. Dwivedi, The Paradigm of Internal security in India,2013

2. Gen. V.K. Singh, India's External Intelligence, Manas Publication, 2013
3. Lt. Col. Sunil S. Parihar, India's Spy Agencies, Manas Publication,
4. K Alexander, Police Reforms in India, Discovery Publishing Group, 2006
5. AK Singh, "Homeland Security: A Multi-faceted Challenge," SP's Military Yearbook, 2009.
6. Rahul K Bhonsle, India's National Security: The Asymmetrical Challenges (New Delhi: Knowledge World Publishers, 2004
7. Gen Deepak Kapoor, in "Changing Global Security Environment with Specific Reference to our Region and its Impact on the Indian Army", IDSA National Security Lecture Series, July 3, 2008, New Delhi.
8. VK Nayar, "India's Internal Security Compulsions", in Planning Commission of India's Project Report on "India: Vision 2025", available at planningcommission.gov.in/reports/sereport/ser/vision2025.
9. Lt Gen Prakash Menon, in "Sub-conventional Conflict: International and Asian Perspective", Indian Army's Contribution To Internal Security 140 Claws Journal I Summer 2011 paper presented at the Centre for Land Warfare Studies (CLAWS) International Seminar on "Changing Nature of Conflict: Trends and Responses," November 2009, New Delhi.
10. P Chidambaram, "A New Architecture of India's Security," 22nd Intelligence Bureau Centenary Endowment Lecture on December 22, 2009.
11. Lt Gen VK Kapoor (Retd), "Homeland Security: India's Internal Security Reforms," Centre for Land Warfare Studies (CLAWS) Journal, Winter 2009.
12. As suggested by Brig Gurmeet Kanwal (Retd) in "Managing Internal Security: Case for a New National Level Counter-Insurgency Force," Centre for Land Warfare Studies (CLAWS) Journal, Winter 2007.
13. Lt Gen RK Nanavatty (Retd), "Low Intensity Conflict in India: Restructuring and Reorganising the Army," paper presented at Centre for Land Warfare Studies (CLAWS) seminar on "Low Intensity Conflict" at New Delhi on March 23-24, 2006.
14. Steven J Tomisek, "Homeland Security: The New Role for Defence", Strategic Forum, No 189, February 2002, available at <http://www.ndu.edu/inss/strforum>.
15. Col HM Iyer, "India's Internal Security Situation in the Future and the Army's Role, Organisational and Doctrinal Changes Recommended to Meet the Requirement," War College Journal, Spring 2009.

Course Outcome:

After completion of this course the student will be able to:

1. Understand the police system and various authorities.
2. Understand the role of various agencies and authorities in internal security.

Semester- II		
DSS- 511 N	Geopolitics and Military Geography	Credit - 4

Course Objective

Geopolitics has been the driving force in world politics and international relations. The military geography of a country has a direct bearing on its defence. The objective of the course is to provide students deep knowledge of geopolitics and main power theories propounded by strategic thinkers. To study the military geography of India and the related defence problems is also very important for contributing in shaping of the defence policy of the country.

UNIT- I

1. Concept and Meaning of Geo-Politics
2. Scope and Importance of Geo-Politics
3. Development of Geo-Politics

UNIT-II

1. Sea Power Theory: Mahan and Haushofer
2. Land Power Theory: Mackinder and Nicholas J. Spykman
3. Air Power Theory: Seversky

Unit- III

1. Geography in Land Warfare
2. Geography in Sea Warfare
3. Geography in Air warfare

Unit- IV

1. Importance and Scope of Logistics
 - a. Resources
 - b. Industries
 - c. Supply Chain
2. Military Geography of India: Defence Problems
3. Weather and Communication

Suggested Readings:

1. युद्ध के साधन और साध्य, मेजर आर. सी. कुलश्रेष्ठ, इलाहाबाद, 1965-
2. B. Dasgupta and W.H. Morris Jones (1975): Patterns and Trends in Indian Politics, New Delhi, Allied Publishers.
3. A. De Seversky (1942): Victory through Air Power, New York, Simon & Schueter.
4. J. Fairgrieve (1915): Geography and World Power, London University of London Press.
5. C.B. Fawcett (1918): Frontiers: L A Study in Political Geography London, Oxford University Press.

6. H.J. Machinder (1924): Nations of Modern World, London, George Philip and Son.
7. A.T. Mahan (1900): The Problem of Asia, Boston, Little, Brown & Co.
8. K.M. Panikkar (1955): Geographical Introduction to Indian History, Bombay, Bhawan's Book University.

Course Outcome:

After completion of this course the student will be able to:

1. Understand the concept, meaning and scope of geo-politics.
2. Understand the theories of land power, air power and sea power propounded by strategic thinkers
3. Understand the nature and scope of military geography of India and related defence problems.

Semester- II		
DSS- 512 N	Cyber Security	Credit - 4

Course Objective:

The objective of this course is to make the students aware about the Cyber Technologies and cyber threats as well as cybercrime. Under this, students will be able to understand the types of cybercrime and its impact on national security.

UNIT- I

1. Introduction to Cyber Technologies- Information Systems, Networks/LAN/WAN, Military Sensors.
2. Types of Cyber Crime- Hacking, Password Cracking, Insecure Network Connection, Theft at Tele Communication Services

UNIT- II

1. Impact of Cyber Crime on National Security - Impact on Armed Forces & Law enforcement Agencies' Information Systems - Impact on National Economy/Market - Impact on Citizen Security.

UNIT-III

1. Detection and Prevention methodologies - Risk Identification - Levels of Protection - Cyber Defensive Measures
2. Cyber Laws - Cyberspace and the Law - Introduction, Cyber Security Regulations, Roles of International Law, the state and Private Sector in Cyberspace, Cyber Security Standards.

UNIT- IV

1. The Indian Cyberspace
2. National Cyber Security Policy 2013.

Suggested Readings:

1. Beidleman, Scott W. (2009) Defining and Deterring Cyber War, Master's thesis, U.S. Army War College.
2. Borum, Randy, and Ronald Sanders, (2015) Cyber Intelligence: Preparing Today: for Tomorrow's Threats, Intelligence and National Security Alliance.
3. Godbole Nina, (2011) Cyber Security, Wiley India, New Delhi. Godbole Nina, (2017) Information Systems Security: Security Management, Metrics, Frameworks and Best Practices, Wiley India, New Delhi.
4. Shoemaker, Dan and Conklin, Arthur (2011) Cyber Security – The Essential body of Knowledge, Cengage Learning.
5. Kim Andreasson, ed., (2012) Cyber Security – Public Sector threats and responses, CRC Press, Boca Raton, FL.
6. Lin V Choi, ed., (2005) Cyber Security and Homeland Security, Nova Publishers, New York.

Course Outcomes:

After undergoing this course a student will be in a position to –

1. Enable students to learn the nuances of the cyber world by understanding cyber threats, to state, institution and individuals.
2. It will also provide an exposure to cyber policy and preparedness mechanisms.
3. Students might also get hands-on experience in trying out practical applications of cyber security.

Semester- II		
DSS- 513 N	Practical	Credit - 4

Course Objective :

Students will be expected to mark the areas and spot strategic points on the map provided and write a brief note about the different strategic areas/spots.

1. Disputed land Areas with bordering States-
 - a. Pakistan
 - b. China
 - c. Nepal
 - d. Bangladesh
2. Disputed Sea Areas with bordering States-
 - a. Pakistan
 - b. Bangladesh
3. Conflict Zones of South Asia-

- a. India
- b. Pakistan
- c. Bangladesh
- d. Sri Lanka

After Completion of the course the students will submit a record file

Semester- III		
DSS- 514 N	Research Methodology	Credit - 4

Course Objective

The objective of the course is to make students knowledgeable about the research process and to enable them to pursue research work competently.

UNIT- I

1. Meaning and Objectives of Research
2. Types of Research
3. Research Cycle

UNIT- II

1. Research Problem: Meaning and Types
2. Characteristics of a Good Research Problem
3. Process and Sources of Good Research Problem

UNIT- III

1. Hypothesis: Meaning and Types
2. Characteristic and Sources of Hypothesis
3. Deference between Research Problem and Research Hypothesis

UNIT- IV

1. Review of Literature
2. Data Collection Techniques
3. Analysis & Writing (References, Foot Notes, Appendix & Bibliography)

Suggested Readings:

1. J.E. Bell, Projective Techniques, Longmans, 1948
2. J.W. Best, Research in Education, Prentice Hall, 1978
3. D. Lindmias, Statistical Analysis in Educational Research, Oxford, 1968
4. D. Nachmias, Research Methods in the Social Sciences, New York, 1981
5. P.V. Young, Scientific Social Survey and Research, Prentice Hall of India, 1988

6. Mohd. Sulaiman, Research Methodology in Behavioral Sciences, Patna, 1998
7. Laxmi Narayan, Research Methodology, YK Publisher's Agra U.P.
8. B.M. Jain, Research methodology, Prakri Bharati Academy, Jaipur
9. C.R. Kothari, Research methodology: Methods and Techniques, 1985.

Course Outcome:

After completion of this course the student will be able to:

1. Understand the basic concepts of research and research methodology.
2. Understand the formulations of research topic, research questions, hypotheses and research design.
3. Understand the techniques of data collection, data analysis and data interpretation.

Semester- III		
DSS- 515 N	Science, Techonology and National Security	Credit - 4

Course Objective:

Science and technology innovation plays a core role in national security. The objective of the course is to develop understanding of the role of modern science and technology in national security.

UNIT- I

1. Science, Technology and Society
2. Impact of Major Technological Breakthroughs on Society
3. Applicability of Sciences in the Field of Defence

UNIT- II

1. Chemical-Biological Sciences and Their Military Utility
2. Nuclear Technology and Related Developments
3. Missile Technology and India's Missile System

UNIT- III

1. Revolution in Military Affairs (RMA)
2. International Interdependence and Transfer of Defence Technology: Global Trends and Indian Scenario.
3. Technology Transfer Control Regime

UNIT- IV

1. Critical & Dual Technologies and India's Defence Needs.
2. Defence Industrialization in India
3. Indian Scenario for Modern Technological Development

Suggested Readings:

1. Karsten Frey, India's Nuclear Bomb on National Security, Routledge, New York, 2006.
2. Samir K. Sen, Military Technology on Defence Industrialization: The Indian Experience, Manas Publication, New Delhi, 2000.
3. Robert Jackson, Hi-Tech Warfare, Headline Publication, London, 1991.
4. Griffith and Paddy, Ultimate Weaponary, Blitz Edition Publications, London, 1991.
5. Air cmde (Dr) C. N. Ghose, Future Defence Challenges: Armed Force of the 21st Century, Manas Publications, New Delhi.

Course Outcome:

After completion of this course the student will be able to:

1. Understand the impact of science and technology on society.
2. Understand the military applicability of science and technology.
3. Understand the advancement of defence technology and India's defence needs.

Semester- III		
DSS- 516 N	Conflict and Media	Credit - 4

Course Objective:

The objective of the course is to enable the students to understand the concepts of conflict and media, the inter-relationship between the conflict and media and the importance and role of Indian media in national security.

UNIT-I

1. Conflict: Concept, Meaning and Definition
2. Media: Concept, Meaning and Definition
3. Inter-Relations between Conflict and Media

UNIT-II

1. Conflict and Media: History and Development
2. Terrorism and Media: Threats and Challenges
3. Social Media and National Security: Threats and Challenges

UNIT-III

1. Information Age and Changing Dimensions of Conflict
2. Increasing Impact of Media on Society and States
3. Media Ethics and Laws Regarding Conflict

UNIT –IV

1. Media in India: Size, Characteristics and Impact
2. Conflict and Media: Indian Scenario
3. Role of Media in Disaster and National Security Management

Suggested Readings:

1. The Media of Conflict: War Reporting and Representations of Ethnic Violence Edited by Tim Allen and Jean Seaton
2. The Media at War: Communication and Conflict in the Twentieth Century by Susan Carruthers.
3. Eytan Gilboa (Editor), Media and Conflict: Framing Issues, Making Policy, Shaping Opinions War and the Media: Reporting Conflict 24/7 Daya Kishan Thussu, Des Freedman
4. Ben O, War and Media Andrew Hoskins, Media and Terrorism Des Freedman, Daya Kishan
5. War and the Media Paul M. Haridakis, Barbara
6. John Stanie, War and the Media Miles Hudson,

Course Outcome:

After completion of this course the student will be able to:

1. Understand the basic concepts, meanings, and definitions of conflict and media.
2. Understand the inter-relationship between conflict and media.
3. Understand the importance and role of Indian media in national security

Semester- III		
DSS- 517 N	Military Sociology	Credit - 4

Course Objective

Military Sociology will not only acquaint the students with the general sociology but also with sociological issues faced by the soldiers during the service as well after retirement and the problems of resettlement and rehabilitation after war.

UNIT- I

1. Impact of Wars on Society.
2. Effects of Military Life on Dependents
3. Stress in Military Service

UNIT- II

1. Problems of Re-Settlement of War Victims

2. Social Problem of Military Personnel (killed or disabled)
3. Demobilization, Rehabilitation and Social Adjustment of Ex-Servicemen.

UNIT- III

1. Gender Issues in Armed Forces
2. Role and Positions of Women in Armed Forces
3. Problems of War-Widows.

UNIT- IV

1. Politicization of Armed Forces: Trend and Impact
2. Use of Armed Forces in Civil Unrest: Issues and Complications
3. Civil-Military Relations in India

Suggested Readings:

1. J.C.M. Baynes, The soldier in Modern Society, Eyre Methuen, London, (1972)
2. Jacques Van Doorn, The Soldier and Social Change, Sage Publications, New Delhi, (1975)
3. William Gutteridge, Military institutions and power in the new States, Pall Mall Press, London, (1965)
4. Morris Janowitz Sociology and the Military Establishment, Russell Sage Foundation, (1959)
5. John Johnson (ed.) Race, Class & Military: The role of the Military in under developed Countries, Princeton University Press,(1962)
6. Leena Parmar, Society, Culture and Military System, Rawat Publications, Jaipur,(1994)

Course Outcome:

After undergoing this course a student will be in a position to –

1. Learn social aspects of war and post-war social issues like resettlement and reconstruction.
2. Also help students understand the problems of ex-service personnel in India; and
3. Role of women in armed forces.

Semester- III		
DSS- 518 N	Evolution and development of Western Art of War	Credit - 4

Course Objective:

The main objective of this paper is to enhance the understanding of the student about the western military systems during different Periods of history and to inculcate strategic thinking insight into them.

UNIT- I

1. Impact of Armament on Tactics.
2. Military System of Greeks and Romans with Special Reference to Important Battles.
 - a. Battle of Arbela 331 B.C.
 - b. Battle of Cannae 216 B.C.

UNIT- II

1. Barbarians and the Battle of Adrianople
2. Mounted Archers and the Battle of Hastings 1066 A.D.
3. Revival of Infantry and the Battle of Crecy 1346 A.D.

UNIT- III

1. Impact of Science and Technology on Warfare with Special Reference to the Reform of Gustavas Adolphus and Frederick the Great
2. Revolution in Tactics with Special Reference to French Revolution and Napoleonic Warfare
3. American Civil War (1861-1865) and New Military Trend

UNIT- IV

1. Foundation of World War I, Treaty of Versailles
2. Rise of Nazism; Origins of World War II
3. Theories of Deterrence: Credibility and Intentions

Suggested Readings:

1. Archer, I. John R. Ferris, Holger H. Herwig, and Timothy H. E. Travers. World History of Warfare (2nd ed. 2008) 638 pp
3. Black, Jeremy. Warfare in the Western World, 1775–1882 (2001) 240 pp.
4. Black, Jeremy. Warfare in the Western World, 1882–1975 (2002), 256 pp.
5. Chambers, John Whiteclay, ed. The Oxford Companion to American Military History (2000)
6. Cowley, Robert, and Geoffrey Parker, eds. The Reader's Companion to Military History (2001) excellent coverage by scholars.

7. Dear, I. C. B., and M. R. D. Foot, eds. Oxford Companion to World War II (2005; 2nd ed. 2010)

Course Outcome:

After completion of this course the student will be able to:

1. Understand the basic concepts of the western military traditions.
2. Understand comparative analysis of western military systems during different Periods of history and the military systems of foreign invaders.
3. Inculcation of strategic thinking insight.

Semester- III		
DSS- 519 N	Practical	Credit - 4

The students will be assigned to prepare/conduct Computer-based exercises or Computer experiments on selected topics of contemporary relevance in the field of National Security. Every Student will submit a power point presentation followed by viva-voce.

Semester- III		
DSS- 520 N	Project	Credit - 4

Small research projects on national security / disaster management / cyber security will be allocated by dividing the students into small groups which will be evaluated on the basis of project report and PPT presentation and viva-voce.

Semester- IV		
DSS- 521 N	India's Defence and Foreign Policy Initiatives	Credit - 4

Course Objective:

The objective of the course is to help students to study and understand the major Defence and Foreign Policy Initiatives of India which shaped India's quest for emerging as a regional power.

UNIT- I

1. Basic Determinants of India's Foreign Policy
2. Role of India's Defence Initiatives in Meeting the Foreign Policy Goals
3. International Obligation- Disaster Management and Humanitarian Relief, Peace Keeping Operation, Combating Sea Piracy

UNIT- II

1. Panchsheel
2. Non-Aligned Movement
3. Gujral Doctrine

UNIT- III

1. Nuclear Doctrine
2. Look East Policy
3. Act East Policy

UNIT- IV

1. Look West Policy
2. Project Mausam
3. Connect Central Asia Policy

Suggested Readings:

1. Shivshankar Menon, Choices inside the making of India's foreign Policy, Penguin Random House India Pvt Limited, April 19, 2018
2. S. Jaishankar, The India way Strategies for an Uncertain World, Harper Collins Publishers, 2020
3. Harsh V. Pant ed., New directions in India's foreign Policy Theory and Praxis, Cambridge University Press, 2019
4. Aparna Pande, From chanakya to Modi Evolution of India's foreign policy, HarperCollins Publishers, 2017
5. Anil Wadhwa, Arvind Gupta Ed., India's Foreign Policy surviving in a turbulent World, Sage Publishers, 2020

6. J. Bandyopadhyaya, The Making of India's foreign Policy, Allied Publishers, 2003
7. C. Raja Mohan, David Malone, Shrinath Raghvan ed., The Oxford Handbook of Indian Foreign Policy, Oxford University Press, 2015
8. Harsh V. Pant ed., Handbook of Indian Defence Policy, Taylor & Francis, 2015
9. Shrikant Paranjape, India's Strategic Culture The making of National Security Policy, Routledge, Taylor & Francis, 2020
10. Gautam Sen, The Purpose of India's Security Strategy Defence Deterrence and Global Involvement, Taylor & Francis, 2019
11. Arvind Gupta, How India Manages Its National Security, Penguin Random House Private Limited, 2018
12. Gurmeet Kanwal, the New Arthshashtra: A Security Strategy For India, HarperCollins Publishers India, 2016

Course Outcome:

After completion of this course the student will be able to:

1. Understand the basic determinants of India's foreign policy.
2. Understand the Role of India's Defence initiatives and international obligations in meeting the foreign policy goals
3. Study and understand the major foreign and defence policy initiatives of India

Semester- IV		
DSS- 522 N	Security Challenges in 21st Century	Credit - 4

Course Objective:

The objective of this course is to acquaint the students with the security challenges that India is facing in the twenty first century. In this course, student will be able to get proper understanding of the Contemporary Security Spectrum especially about the unconventional security threats.

UNIT- I

1. India's Non Traditional Security Challenges
2. Nuclear Threats and Challenges
3. Proliferation of Chemical and Biological Weapons

UNIT-II

1. Environmental Security Challenges and Issues
2. Energy Security Challenges and Issues

3. Cyber Security Challenges and Issues

UNIT-III

1. Transnational Migration: Challenges and Issues
2. International Terrorism : Challenges and Issues
3. Organised Crime: Challenges and Issues

UNIT-IV

1. Rising Expectations
2. Resource Scarcity
3. Social and Communal Politics

Suggested Readings:

1. Vohra. N.N. (Eds), India's National Security Challenges; Primus Book, New Delhi
2. Venodan C, 'Energy Security Choices for India', New Century Publication.
3. Kanwal G (Eds), 'The New Arthashastra: A Security Strategy for India's, Harper Collins, New Delhi.
4. Shinde A, Introduction to Cyber Security, Notion Press, New Delhi.
5. Sharma A, 'India's Pursuit of Energy Security', Sage Publications India Pvt. Ltd. New Delhi.

Semester- IV		
DSS- 523 N	India's Maritime Security	Credit - 4

Course Objective:

Indian Ocean region has become the hub of intense global activity including global geopolitics over the decades for various reasons. The objective of the course is to develop understanding of the Challenges and opportunities for India in the decades ahead.

UNIT- I

1. Geo-Political Features and Setting of Indian Ocean
2. Geographical Profile of IOR States
3. Economic & Strategic Importance of the Region

UNIT- II

1. Natural Resources in the Indian Ocean: Fisheries and Minerals

2. Energy Resources in the Indian Ocean Region: Vital Features and Source of Competition
3. Trade and Commerce through Indian Ocean

UNIT- III

1. Naval Powers in the Indian Ocean: (China, USA, Pakistan, India, USA, Iran and others)
2. Militarization of the Indian Ocean Region
3. IORARC

UNIT- IV

1. Indian's Maritime Challenges
2. Maritime Strategy of India
3. Prospects of Cooperation in the Indian Ocean Region

Suggested Readings:

1. Robert D. Kaplan, The Indian Ocean and the Future of American Power, Random House, 2010.
2. Gurpreet S Khurana, Shipra, Maritime Forces in Pursuit of National Security, 2008.
2. Rahul Ray Chaudhary, India's Maritime Security, , IDSA and Knowledge world, New Delhi, 2010.
3. Rahul Roy Chaudhary, Bresssey's, Sea Power and Indian Security, London and Washington, 1995.
4. Prabhakaran Paleri, Role of the Coast in the Maritime Security of India, Knowledge world, New Delhi,2007.
5. Bridges across the Indian Ocean, IDSA Publication. 7. An Indian Ocean Perspective, National Maritime Foundation Publication, New Delhi, 2005.
6. हरी सरन, हर्ष कुमार सिन्हा, हिन्द प्रशांत क्षेत्र में भारतीय सामुद्रिक रणनीति, राज पब्लिकेशन्स, नई दिल्ली, 2019
7. हरी सरन, हर्ष कुमार सिन्हा, हिन्द महासागर: चुनौतियाँ एवं विकल्प, ए एस आर पब्लिकेशन्स, नई दिल्ली, 2017

Course Outcome:

After completion of this course the student will be able to:

1. Understand the economic and strategic importance of Indian Ocean for India's National Security.
2. Understand the ongoing power politics & power rivalry and the interests of external powers in Indian Ocean region.
3. Understand the future trends and prospects of co-operation and security in the Indian Ocean region.

Semester- IV		
DSS- 524 N	Contemporary Strategic Environment and Issues	Credit - 4

Course Objective:

India's National Security Environment is determined by its geographical tributes, historical legacy, socio-economic circumstances as well as regional and global developments. Contemporary Strategic Environment in India is related to contemporary security challenges being faced by India and how India is trying to acquire the status of regional power and world power. The aim of the paper is disseminating the knowledge for civil services aspirants. Besides, role of armed forces in dealing with the threats has also been focused.

UNIT- I

1. Conflict in Korean Peninsula: Genesis and Contemporary Trends
2. Israel-Palestine Conflict: Genesis and Contemporary Trends
3. Conflict in South China Sea: Challenges and Responses

UNIT- II

1. Afghanistan Imbroglio: Challenges and Responses
2. Islamic Fundamentalism in Afghanistan-Pakistan Region: Challenges and Responses
3. Emergence of ISIS: Challenges and Responses.

UNIT- III

1. US-Iran Conflict in Persian Gulf
2. Crisis in Yemen
3. Strategic Environment of Indo-Pacific Region and QUAD

UNIT- IV

1. Central Asia: Conflict, Issues and Challenges
2. Domestic Turmoil in Nepal: Strategic Implications for India.
3. China's Belt and Road Initiative: Strategic Implications for India

Suggested Readings:

1. Springer, Chris (2003). Pyongyang: the hidden history of the North Korean capital. Entente Bt.
2. Robinson, Michael E (2007). Korea's Twentieth-Century Odyssey. Honolulu: University of Hawaii Press.
3. Morris, Benny (2004). The Birth of the Palestinian Refugee Problem Revisited. Cambridge University Press.
4. Jeremy Bowen (2003). Six Days: How the 1967 War Shaped the Middle East. Simon and Schuster, 2012.

5. Isby, David C. (15 June 1986). Russia's War in Afghanistan. Bloomsbury USA. Archived from the original on 6 April 2015. Retrieved 18 October 2014.
6. Giustozzi, Antonio (2000). War, Politics and Society in Afghanistan, 1978–1992. Hurst.
7. <https://www.sipri.org/research/conflict-peace-and-security/asia/central-asian-security>

Course Outcome:

After undergoing this course a student will be in a position to –

1. Learn contemporary challenges to peace and stability in the world.
2. The contemporary problems of international threats like ISIS, Uyghers, Jaish-e-Mohammed, Islamic fundamentalism and other issues threatening international peace and security
3. The course also makes them learn to contemplate response mechanisms to solve conflict issues.

Semester- IV		
DSS- 525 N	Disaster Management & Civil Defence	Credit - 4

Course Objective:

The objective of the course is to enable the students to understand the concepts of disaster, disaster management, case studies, and role of various organizations in disaster management warning system etc. in disaster management system.

UNIT I

1. Disaster: meaning, concept and typology.
2. Disaster Management: key concepts. Disaster Management Cycle.
3. Disaster Management Act 2005.

UNIT II

1. Case studies: Mumbai serial Bomb Blast 1993, Gujrat Earthquake 2001, Tsunami 2005, Uttarakhand and Flood 2013.
2. Chemical, Biological, Radiological and Nuclear (CBRN) Disasters and their management.

UNIT III

1. Role of various organization's in disaster management.
2. Civil Defence: Organization, and importance of Civil Defence in disaster management

UNIT IV

1. Warning Systems, Emergency Methods of search, Rescue and relief operations.

2. First Aid: Principles, First Aid Equipment's, Triangular Bandages. Casualty Handling activities.

Suggested Readings:

1. Balan K The Millennium Thoughts challenges to service. Authors Press, Delhi 2001.
2. Karn Margaret P. Mingst, International organization: The political Process of Global Governance, Viva Books Pvt.Ltd. Delhi 2005.
3. Mishra Bijaylaxmi, United Nations and Security Challenges In New Millennium, Kilaso books, New Delhi 2004
4. Morgenthau Hans. J., Politics Among Nations. Scientific book Agency Calcutta 1963.
5. Robert H Allen, Enhancing United Nations, Peace Keeping in Chadock F Alger Ed, The future of the UN System: Potential for the Twenty First Century. United Nation university PressTokyo, 1998.
6. Sing Jasjit, United Nations Peace Keeping Operation, The challenges of change in Regan MS Ed. UN 50 and beyond, lancer Books Delhi, 1996.
7. R. Subramanian, Disaster Management
8. G. Vankatesh, Disaster Management in India
9. Harsh K. Gupta, Disaster Management

Course Outcome:

1. Understand the basic concepts related to disasters and its management.
2. Develop skill for the management of flood, earthquake, Tsunami, CBRN and other

Semester- IV		
DSS- 526 N	Practical	Credit - 4

The students will be assigned with the responsibility to prepare/ conduct computer-based exercises or computer experiments on selected topics of contemporary relevance in the field of International Security. Every Student will submit a power point presentation followed by viva –voce.

Semester- IV		
DSS- 527 N	Project	Credit - 4

Each student will be allotted an independent project on National Security/Disaster Management/Cyber Security which will be evaluated on the basis of project report and PPT presentation and viva voce.