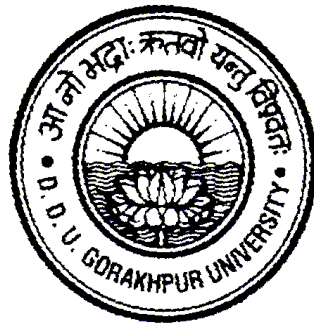


SYLLABUS FOR THE
MASTER OF ARTS / MASTER OF SCIENCE
in
Defence & Strategic Studies
TWO – YEAR FULL-TIME PROGRAMME



RULES, REGULATIONS AND COURSE CONTENTS

(Choice Based Credit System)

Department of Defence and Strategic Studies

FACULTY OF SCIENCE
Deen Dayal Upadhyaya, Gorakhpur University
GORAKHPUR – 273009
(2019)

**M.A. / M.Sc.
(Defence and Strategic Studies)**

(TWO-YEAR FULL-TIME PROGRAMME)

AFFILIATION

The proposed programme shall be governed by the Department of Defence and Strategic Studies, Faculty of Science, D.D.U.Gorakhpur University, Gorakhpur-273009.

PROGRAMME STRUCTURE

The M.A./M.Sc. Programme is divided into two Parts as under. Each part will consist of two Semesters as given below:

		Semester - Odd	Semester - Even
Part I	First Year	Semester – I	Semester – II
Part II	Second Year	Semester – III	Semester - IV

Each semester would consist of four theory papers (course) and one practical course (based on all four papers, 2 credits for each paper). **Semester – I** and **II** (Part I) would have Core Papers (courses) to be studied by all students of the **M.A./M.Sc. - Defence and Strategic Studies Programme**. **Semester – III** would also comprise of core papers while **Semester – IV** would comprise of 3 (three) core papers and one Elective paper along with Dissertation / Practical and Viva-Voce.

The schedule of papers prescribed for various semesters shall be as follows:

PART I : Semester - I

1. DSS 101 : Evolution of Indian Arts and Science of War
2. DSS 102 : National Security
3. DSS 103 : Armament, Disarmament and Arms Control
4. DSS 104 : Human Rights and International Humanitarian Law
5. DSS 105 : Internal Assessment and Practicals

PART I : Semester – II

1. DSS 201 : Research Methodology
2. DSS 202 : Peace and Conflicts Studies
3. DSS 203 : Insurgency and Terrorism
4. DSS 204 : India's National Security and Strategic Spectrum
5. DSS 205 : Internal Assessment and Practicals

PART II : Semester - III

1. DSS 301 : Defence Economics
2. DSS 302 : Geo-politics and Military Geography
3. DSS 303 : Science, Technology and National Security
4. DSS 304 : South Asia: Conflict and Cooperation Studies
5. DSS 305 : Internal Assessment and Practicals

PART II : Semester – IV

Student will take three core paper (courses) DSS 401,402,403 and one elective paper (courses) from DSS 404 E-1, E-2 & E-3.

1. DSS 401 : Strategic Thoughts
2. DSS 402 : Politics and Security of the Indian Ocean
3. DSS 403 : International Relations
4. DSS 404 E-1 : Disaster Management & National Security
5. DSS 404 E-2 : Conflict and Media
6. DSS 404 E-3 : Science and Technology and Non-Traditional Security
7. DSS 405 : Dissertation / Internal Assessment and Practicals.

Scheme of Examination

1. English shall be the medium of Instruction and examination.
2. Examinations shall be conducted at the end of each semester as per the Academic Calendar notified by the D.D.U. Gorakhpur University, Gorakhpur.
3. Each Course will carry 625 marks and will have two components :

For Semester I – III

(i) Internal Assessment	125 Marks
(a) Attendance	10
(b) Assignments	40
(c) Test	50
(d) Seminar	25
(ii) End Semester Examination	500 Marks
(a) Theory Examination (each paper of 100 marks)	400
(b) Practical Examination	100
Total	625 Marks

For Semester IV

(iii) Internal Assessment	125 Marks
(a) Attendance	10
(b) Assignments	40
(c) Test	50
(d) Seminar	25
(iv) End Semester Examination	500 Marks
(a) Theory Examination (each paper of 100 marks)	400
(b) Dissertation	100
or	
Practical Examination	
Total	625 Marks

4. The system of evaluation as follow:
 - 4.1 Internal assessment will be broadly based on attendance in Theory and Practical (10 marks), assignments (40 marks), test (50 marks) and seminar (25 marks).
 - 4.2 Practical works will be comprised of record (20 marks), theory component (50 marks) and viva-voce (30 marks). Practical examination will be conducted at the end of each Semester by a panel of two examiners, one external from other University and one internal from home Department.

These criteria are tentative and could be modified based on guidelines approved by the academic council.
 - 4.3 As regards to Dissertation, the scheme of evaluation shall be follows:
 - 4.3.1 Project work would be assigned at the end of Semester-III to enable students to initiate on the same.
 - 4.3.2 It would formally begin from Semester-IV
 - 4.3.3 Thesis submitted by students will be evaluated for 80 marks (each thesis) by one / more examiners.
 - 4.3.4 There will be viva-voce examination (conducted by panel of 3 examiners) of which at least one examiner will be of other university at end of Semester-4 of the end of Semester-4 on the Dissertation that shall be evaluated for 20 marks.
5. Examinations for course shall be conducted only in the respective odd and even Semester as per the Scheme of Examinations. Regular as well as Ex-Students shall be permitted to appear / re-appear / improve in courses of Odd Semesters only at the end of Odd Semesters and courses of Even Semesters only at the end of Even Semesters. These criteria could be modified based on guidelines approved by the Academic Council.

Pass Percentage

As per Rules and Regulations of D.D.U. Gorakhpur University, Gorakhpur

Promotion Criteria

As per Rules and Regulations of D.D.U. Gorakhpur University, Gorakhpur

Division Criteria

As per Rules and Regulations of D.D.U. Gorakhpur University, Gorakhpur

Span Period

As per Rules and Regulations of D.D.U. Gorakhpur University, Gorakhpur

Attendance Requirement

No student shall be considered to have pursued a regular course of study unless he/she is certified by the Head of the Department of Defence and Strategic Studies, D.D.U. Gorakhpur University, Gorakhpur, to have attended 75% of the total number of lectures/seminars/practicals conducted in each semester, during his/her course of

study. Provided that he/she fulfills other conditions, the Head, Department of Defence and Strategic Studies, may permit a student to the next Semester who falls short of the required percentage of attendance by not more than 10% of the lectures/seminars/practicals conducted during the Semester.

Course Content for each Course

Submitted earlier

List of Readings

Submitted earlier

DEEN DAYAL UPADHYAYA, GORAKHPUR UNIVERSITY, GORAKHPUR – 273009
Department of Defence and Strategic Studies
Syllabus of M.A./M.Sc. Defence and Strategic Studies as per UGC Guidelines on CBCS

Course Structure

Sl.No	Paper Code	Paper Title	Type	Total
Semester - I				
Compulsory Course				
1	DSS 101	Evolution of Indian Art and Science of War	Core Course	04
2	DSS 102	National Security	Core Course	04
3	DSS 103	Armament, Disarmament and Arms Control	Core Course	04
4	DSS 104	Human Rights and International Humanitarian Law	Core Course	04
5	DSS 105	Practical	Practical Course	08
6		Seminar		01
Semester - II				
Compulsory Course				
1	DSS 201	Research Methodology	Core Course	04
2	DSS 202	Peace and Conflicts Studies	Core Course	04
3	DSS 203	Insurgency and Terrorism	Core Course	04
4	DSS 204	India's National Security and Strategic Spectrum	Core Course	04
5	DSS 205	Practical	Practical Course	08
6		Seminar		01
Semester – III				
Compulsory Course				
1	DSS 301	Defence Economics	Core Course	04
2	DSS 302	Geo-politics and Military Geography	Core Course	04
3	DSS 303	Science, Technology and National Security	Core Course	04
4	DSS 304	South Asia: Conflict and Cooperation Studies	Core Course	04
5	DSS 305	Practical	Practical Course	08
6		Seminar		01
Semester – IV				
Compulsory Course				
1	DSS 401	Strategic Thoughts	Core Course	04
2	DSS 402	Politics and Security of the Indian Ocean	Core Course	04
3	DSS 403	International Relations	Core Course	04
Any one from the following(E-1, E-2, E-3)				
4	DSS 404 E-1	Disaster Management & National Security	Elective Course	04
5	DSS 404 E-2	Conflict and Media	Elective Course	04
6	DSS 404 E-3	Science and Technology and Non-Traditional Security	Elective Course	04
7	DSS 405	Dissertation / Practicals	Practical Course	08
8		Seminar		01

DDU Gorakhpur University, Gorakhpur
MA/M.Sc. Defence and Strategic Studies
(Choice Based Credit System)

SYLLABUS

Semester I

DSS 101	:	Evolution of Indian Art and Science of War
DSS 102	:	National Security
DSS 103	:	Armament, Disarmament and Arms Control
DSS 104	:	Human Rights and International Humanitarian Law
DSS 105	:	Practical and Viva-Voce
	:	SEMINAR

Semester II

DSS 201	:	Research Methodology
DSS 202	:	Peace and Conflicts Studies
DSS 203	:	Insurgency and Terrorism
DSS 204	:	India's National Security and Strategic Spectrum
DSS 205	:	Practical and Viva-Voce
	:	SEMINAR

Semester III

DSS 301	:	Defence Economics
DSS 302	:	Geo-politics and Military Geography
DSS 303	:	Science, Technology and National Security
DSS 304	:	South Asia: Conflict and Cooperation Studies
DSS 305	:	Practical and Viva-Voce
	:	SEMINAR

Semester IV

DSS 401	:	Strategic Thoughts
DSS 402	:	Politics and Security of the Indian Ocean
DSS 403	:	International Relations
DSS 404 E-1	:	Disaster Management & National Security
DSS 404 E-2	:	Conflict and Media
DSS 404 E-3	:	Science and Technology and Non- Traditional Security
DSS 405	:	Dissertation / Practical and Viva-Voce.
	:	SEMINAR

Semester -1

DSS- 101 : Evolution of Indian Art and Science of War

Unit-I

1. Basic concept and a brief survey of the military traditions of India.
2. Military system and Defence Mechanism in Vedic, Puranic and Epic Age.

Unit-II

1. Comparative study of Indo-Greek art and science of warfare with special Reference to Battle of Hydaspas 326(BC).
2. Mauryan military system; Kautilya's philosophy of war, concept of Defence, Security and Inter-State Relations.
3. Comparative study of Indo-Turk Art and Science of war with special reference to Battle of Tarrain (1191&1192AD)

Unit-III

1. Mughal Military System with special reference to Battle of Panipat (1526 AD).
2. Maratha Military System with reference to irregular and regular warfare of Shivaji.
3. Anglo- Maratha war with special reference to Battle of Assaye 1803 (AD)

Unit-IV

1. Contribution of Maharaja Ranjeet Singh to the evolution of Shikh Military System.
2. Causes & Importance of First War of Independence 1857.

Books recommended

1. Singh,S.D. , Ancient Indian Warfare with special reference to Vadic Period
2. Majumdar,B.K., Military System in Ancient India
3. Majumdar,B.K., Bhartiya Sena Ka Itihas
4. Fuller, J.F.C., Generalship of Alexander the Great
5. Sarkar, J.N., Military History of India
6. Ervin, I., Army of Indian Moghuls
7. Major R.C. Kulshrestha, Kautilya's Philosophy of War
8. Bajawa,F.S., The Military System of Sikhs
9. Tripathi,R.P., Rise and Fall of the Moghul Empire
10. Sen,S.N., the Military System of Marathas

DSS-102 : National Security

Unit-I

1. Evolution of the concept of National Security with reference to contemporary thinking.
2. Components of National Security.

Unit-II

1. Comprehensive Security: meaning and scope
2. Defence, Foreign and Domestic policies: concepts, formulation, objectives and linkages.
3. Defence Co-operation, Strategic partnership and Security Dialogue: new trends in 21st century.

Unit-III

1. India's threats and challenges from within.
2. National Security in the age of Globalization: new threats and challenges.
3. Human Security: concept and dimensions in Indian context.

Unit-IV

1. Energy Security: issues in Indian context.
2. Environmental Security: Indian scenario.

Books recommended

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.

DSS-103 : Armament, Disarmament and Arms Control Studies

Unit-I

1. Armament: Meaning, Development and New trends.
2. Basic Concepts and theories-
 - (i) Concepts and correlation between Disarmament & Arms Control
 - (ii) Objectives and nature of Disarmament & Arms Control.

Unit-II

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

Unit-III

1. Weapons of Mass Destruction (WMDs): NPT, TTBT, PTBT, CTBT, Sea-bed Treaty, Outer-space treaty, NWFZ. FMCT, CBW Conventions & Control Mechanism,
2. Nuclear policies of Nuclear weapon states (NWS)& Non-Nuclear weapon states (NNWS).
3. Trends in Military Expenditure: India and the world

Unit-IV

1. Arms Trade treaty (ATT) and its implications for Regional & Global Security.
2. Social and Economic consequences of Disarmament & Arms Control.

Books recommended

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.

DSS-104 : Human Rights and International Law

Unit-I

1. Human Rights: Conceptual development, Nature, Historical Background, Classification
2. Introduction of International Law and International Humanitarian Law (IHL)

Unit-II

1. International law and Rules of Land, Air and Sea warfare
2. International Law and Conventions for the wounded and sick in the battle field, protection of civilian rights in times of war, treatment of the prisoners of war.
3. Peaceful means of Settlement of International Disputes

Unit-III

1. Limits on the choice of means and methods of warfare.
2. Universal Declaration of Human Rights and International conventions on different kinds of Human Rights.
3. Human Rights in Indian Constitution, Role and Duties of NHRC in India.

Unit-IV

1. Concept and Theories of International Humanitarian Law (IHL).
2. Concept of Refugee Law

Books recommended

1. R.S.Agrawal, Human Rights in the Modern World
2. G.S.Bajwa, Human Rights in India
3. D.D.Basu, Human Rights in Constitutional Law
4. Antari Casser, Human Rights in Changing World
5. Dr. T.P.Trpathi, Human Rights
6. Dr. J.J. Ram Upadhyay, Human Rights
7. Dr. J.N.Upadhyay, Indian Constitution
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DSS 105 : Practical and Viva-Voce

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. Zonal Headquarters of Indian Army.
2. Zonal 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.

Semester -2

DSS-201 : Research Methodology

Unit-I

1. Meaning of Research/ Policy Research
2. Types of Research
3. Objectives of Research
4. Research Cycle
5. Stages in Research Process

Unit-II

1. What is a Research Problem
2. How to locate a research problem
3. Characteristics of a good research problem
4. Sources of locating a good research problem
5. Kinds of research problem
6. Necessary considerations for selecting a research problem

Unit-III

1. What is hypothesis
2. Types of hypothesis
3. Nature and characteristics of a scientific hypothesis
4. Sources of hypothesis
5. Defference between Research Problem and Research Hypothesis
6. Hypothesis and Theory
7. Functions of hypothesis

Unit-IV

1. Review of Literature
2. Data Collection Techniques
3. Use of Statistical Methods
4. Analysis & Writing
5. Foot Notes, References & Appendix
6. Bibliography

Books recommended –

1. Bell J.E., Projective Techniques, Longmans, 1948
2. Best J.W., Research in Education, Prentice Hall, 1978
3. Lindmias D., Statistical Analysis in Educational Research, Oxford, 1968
4. Nachmias D. Research Methods in the Social Sciences, New York, 1981
5. Young P.V., Scientific Social Survey and Research, Prentice Hall of India, 1988
6. Mohd. Sulaiman, Research Methodology in Behavioral Sciences, Patna, 1998

DSS-202 : Peace and Conflict Studies

Unit-I

1. Peace and Conflict Studies: Meaning, Nature and Scope
2. Conceptual analysis of Conflict and Peace
3. Conflict management in the regional context

Unit-II

1. Gandhian Approach and its current relevance for Conflict Resolution
2. Causes of war
3. Regional Conflicts and Role of United Nations

Unit- III

1. Confidence & Security Building Measures (CSBM)
2. Peace Building, Peace Making, Peace Keeping and Peace Enforcement

Unit- IV

1. Pacific and Coercive Settlement of Dispute
2. Peace Research and Peace Movements
3. Concept and theories of Conflict Resolution; IGOs and NGOs in Conflict Resolutions.

Books Recommended:

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 Roa, 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.
11. Ghanshyam Purdeshi (Id.), Contemporary Peace Research, New Delhi, 1982
12. Johan Galtung, Struggle for Peace, Ahmedabad, 1984.
13. Johan Galtung, Peace by Peaceful Means : Peace and Conflict, Development and civilization, Sage Pub, 1996
14. Johan Galtung. Essays in Peace Research, Copenhagen, 1975.
15. Quincy Wright, A Study of War, Chicago, 1965.

DSS-203 : Insurgency and Terrorism

Unit-I

1. Insurgency: concept and principles.
2. Methods and techniques of Guerilla and counter – Guerilla warfare.
3. Impact of Marxist, Leninist and Maoist ideologies on revolutionary movements.

Unit-II

1. Urban Guerilla warfare.
2. Guerilla and counter-Guerilla operations in Malaya and Indo-China.
3. Current trends of Insurgency and counter-Insurgency in South Asia and the role and limitations of Military in Counter-Insurgency situations.

Unit-III

1. Terror and Terrorism: concept, characteristics and typology, methods and techniques
2. Causes of terrorism in India and underlying remedies.

Unit-IV

1. International terrorism and problems of world peace and security.
2. International and regional arrangements and co-operation for curbing terrorism.

Books recommended

1. Walter Laqueur, Guerrilla :A Historical and Critical Study, Weidenfeld Nicolson, London, 1977
2. T.E. Lawrence, Revolt in the Desert, London, 1927
3. W.P. Lucian, Guerrilla Communism in Malaya, Princeton, 1956
4. Che Guevara, Guerrilla Warfare, London, 1969
5. Franklin Mark Osanka, (Ed), Modern Guerrilla Warfare, The free press of Glencoe, 1962
6. D.K.Palit, The Essentials of Military Knowledge, The English Book Depot, 1970
7. Mao Tse-Tung & Che Guevara, Guerrilla Warfare, Cassell, London, 1970
8. S.T. Das, An Introduction to the Art of War, Sagar pub., New Delhi, 1970
9. David Galula, Counter- Insurgency Warfare, Sagar Pub. ,1971

DSS-204 : India's National Security & Strategic Spectrum

Unit-I

1. Freedom Struggle and the development of concept of Nationhood in India
2. Pluralism in India: Strength and Weaknesses
3. India's National Security Objectives and Aspirations in a Changing world

Unit-II

1. Contemporary Strategic Environment of India
2. India's Internal Security Challenges : Nature and Dimensions
3. Domestic and Trans-national terrorism against India : Problems and Options

Unit-III

1. Insurgency in North East, Jammu & Kashmir, Punjab and Spread of Naxal Violence
2. Counter- Insurgency strategies and successful case studies

Unit-IV

1. India's Technological Prowess as 'Force Multiplier'
2. Conflict resolution and transformational mechanism in India's case.

Books recommended

1. N. Manoharan, Security Deficit: Comprehensive Internal Security strategy for India, Pentagon Press, 2012
2. Brig. R.A. Singh, India's National Security: Through Ages, Raj Publication, 2006
3. Rumel Dahiya, Ashok K. Behuria, (eds.) India's Neighborhood- Challenges in the Next Two Decades, IDSA, 2012
4. Maj. Gen. Depankar Banerjee, Security in South Asia: Comprehensive on Cooperative, Manas Publication, 2003
5. Col. Ved Prakash, Terrorism in India's North East, Manas Publication , New Delhi
6. Kapil Kak (ed.), Comprehensive Security for an Emerging India, Knowledge World, New Delhi
7. Jasjit Singh, India's Security in a Turbulent World, National Book Trust, India. 2013
8. Mohanan B. Pillai, India's National Security, Concerns on Strategies, New Century Publication, 2013
9. Rahul K. Bhonsle, India's National Security: The Asymmetrical Challenges, Knowledge World International, 2006
10. Bipin Chandra, India Since Independence

DSS 205 : Practical and Viva-Voce

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) China
- (d) Nepal
- (e) Bangladesh
- (f) Sri Lanka

Semester III

DSS-301 : Defence Economics

Unit-I

1. Concept of theories of war economics.
2. Economic warfare
3. Impact of war on economy

Unit-II

1. Economic potential of war and Economic Weapons
2. Cost of war
3. Defence production in India

Unit-III

1. Economic problem and planning for Indian Defence
2. War Finance
3. Defence Budget and National Security

Unit-IV

1. Comparative Study of Defence Budget of India , Pakistan & China
2. The new international economic order – Regional economic groupings

Books Recommended-

1. Rethinking the Economics of war: The intersection of Need, Creed and Greed Edited by Cynthia J Arnson, Published:28 october 2005,ISBN13:9780801882982
2. Economics of war and Peace: Economic Legal and Political perspectives, Edited by Ben Goldsmith , Published : Emerald Group Publishing Limited, Published:01 July 2010, ISBN13:99780857240040
3. The Economics of war : The Economics of war by Pal Poast, Publisher: Mc Graw Hill Higher Education, Published:21 March,2008,ISBN 13:9780073133997
4. Economic Theories of Peace and war (Studies in Defence Economics) by Fanny Coulomb ,Publisher: Routledge' Published:24 September, 2004, ISBN 13:9780415284080
5. The Economics of war I Stephen Broadberry (Editor) Mark Harrison(Editor), Publication Date: April 2,2009 ISBN – 10 0521107253.
6. IEiw.kZ ISU; foKku% iq'ik tSu fo"ofoky; izdk"ku] Xokfy;j e;/izns"k] 1999-
7. ;q) vkSj "kakfr dh leL;k,a% Mk0 yYyu th flag% izdk"k cq d fMiks cjsyh] 1997&98
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DSS-302 : Geo - Politics and Military Geography

Unit-I

1. Concept and meaning of Geo-politics
2. Scope and importance of Geo-politics
3. Development of Geo-politics

Unit-II

1. Global strategic views
2. Sea Power theory : Mahan and Houshoffar
3. Land Power theory : Machinder and Spykman
4. Air Power theory : Seversky

Unit-III

1. Role of geography in military applications
2. Geography in Land Warfare
3. Geography in Sea Warfare
4. Geography in Air warfare

Unit IV

- 1.Importance and scope of logistics
 - 1.1 Resources
 - 1.2 Industries
 - 1.3 Supply Chain
- 2.Military geography of India : Defence problems
 - 1.1 India's boundaries, terrain in border areas
 - 1.2 Weather and communication
 - 1.3 Population in border areas and its implications to border security

Books recommended

1. ;q) ds lk/ku vkSj lk/;] estj vk0 lh0 dqyJs"B] bykgkckn] 1965-
2. Dasgupta B. and W.H. Morris Jones, (1975) : Patterns and Trends in Indian Politics, New Delhi, Allied Publishers.
3. De Seversky, A., (1942) : Victory through Air Power, New York, Simon & Schueter.
4. Fairgrieve, j., (1915) : Geography and World Power, London University of London Press.
5. Fawcett, C.B., (1918) : Frontiers :L A Study in political Geography London, Oxford University Press.
6. Machinder, H.j., (1924): Nations of Modern World, London, George Philip and Son.
7. Mahan, A.T., (1900) : The Problem of Asia, Boston, Little, Brown & Co.
8. Panikkar, K.M., (1955) : Geographical Introduction to Indian History, Bombay, Bhawan's Book University.
9. Prescott, J.R.V., (1966) : Boundaries and Frontiers, Croom Helm, London.

DSS-303 : Science, Technology and National Security

Unit I

1. Science, Technology and Society: history and impact of major technological breakthroughs on society.
2. Applicability of Physical, Mathematical and Technical Sciences in the field of defence.

Unit II

1. Chemical-Biological Sciences and their military utility.
2. Nuclear and Missile Technologies and related developments.

Unit III

1. Revolution in Military Affairs (RMA) and India's National Security.
2. Advancing military technologies and their impact on weapon Development and defence industrialization.
3. International interdependence and transfer of defence technology: Global trends and Indian scenario.

Unit IV

1. Critical & Dual technologies and India's defence needs.
2. DRDO and Indian Defence.
3. Computerization and Cyber technologies, Aero-space technologies : Marine Technology and Ocean development: Indian scenario.

Books recommended:

1. Karsten Frey, India's Nuclear Bomb on National Security, Routledge, New York, 2006.
2. Samir K. Sen, Military Technology on Defence Industrialisation: 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.
6. J Norris, NBC – Nuclear, Biological & Chemical Warfare on the Modern Battlefield, Brassey's, U.K., 1997.
7. Emily O. Goldman and Leslie C Eliason (eds) The Deffussion of Military Technology and Ideas, Stanford University Press, 2003.

DSS-304 : South Asia: Conflict and Co-operation Studies

Unit I

1. Geo-Political setting of South Asia.
2. Socio-Cultural and Economic structure of South Asia.

Unit II

1. Power rivalries in South Asia: USA, USSR., U.K and China
2. Strategic Importance of Afghanistan, Myanmar and China for South Asia
3. Internal problems and conflicts in South Asian Region (Country profiles)

Unit III

1. Role of Pressure Groups (Religious, Linguistic, Caste, Tribes, Women, Youth, Civil Society and Media) in the politico-military scenario of the South Asian countries.
2. Prospects of Sub-regional cooperation in South Asia
3. Regional Cooperation in South Asia under the aegis of SAARC

Unit IV

1. Conflict Map of South Asia : Regions, Issues and Parties
2. Peace Initiatives and movements in South Asia

Books recommended

1. K.E.Boulding, Conflict and Defence : A General Theory, Newyork, 1962
2. Anima Bose (ed), Peace and Conflict Resolution in World Community, New Delhi, 1919
3. Bhaskar Roa, 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.
11. Ghanshyam Purdeshi (Id.), Contemporary Peace Research, New Delhi, 1982
12. Johan Galtung, Struggle for Peace, Ahmedabad, 1984.
13. Johan Galtung, Peace by Peaceful Mean : Peace and Conflict, Development and civilization, Sage Pub, 1996
14. Johan Galtung. Essays in Peace Research, Copenhagen, 1975.
15. Quincy Wright, A Study of War, Chicago, 1965.

DSS 305 : Practical and Viva-Voce

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 **National/International Security** for the following-

- 1- To prepare Computer graphics.
- 2- Lecture on the selected topics.
- 3- Power-Point presentation on the given topic.
- 4- Viva-Voce

Semester IV

DSS-401 : Strategic Thoughts

Unit I

1. Machiavelli: The Renaissance of the Art of War
2. Napoleon: Elements of Napoleonic war, concept of Strategy and Tactics
3. Clausewitz: On war and its relationship with Politics, Strategy and Tactics

Unit II

1. Jomini: Concept of Mass Army, Strategy, Tactics and Line of Operations.
2. Moltke & Schlieffen: The Prussian-German School of strategic thought
3. Foch: The French School of strategic thought.

Unit III

1. First- World War: Causes, policies of Allied and Axis Powers, causes of stalemate, use of Tank.
2. Fuller, Liddell Hart: Concept of Armored and Mechanized Warfare.

Unit IV

1. Second World War: Strategic doctrines and tactics
2. Douhet : Theories of Air Power and Strategic Bombing during W.W.II

Books recommended

1. L. Spalding & J. W. Wright, Warfare, Washington 1937.
2. F. Gilbert, Machiavelli, Art of War.
3. Makers of Modern Strategy, E. M. Earl, at el.(eds), 1986
4. L. Montros, War Through The Ages, New York, 1960.
5. M.Howard, War In European History, London 1976.
6. J. F. C. Fuller, Conduct of War, New Delhi
7. Machiavelli, The Prince, Britain 1961.
8. M. Howard, The Theory and Practice of War, London 1965.

DSS-402 : Politics and Security of the Indian Ocean

Unit I

1. Indian Ocean region as a concept and reality.
2. Coastal states, hinterland states and island:
 - (i) The Political characteristics of the region .
 - (ii) Demographic survey
 - (iii) The sub region

Unit II

1. Political, Strategic ,Economic and Military importance of Indian Ocean
 - (iv) Ideologies in Indian Ocean
 - (v) Economic and strategic interdependence of the region
 - (vi) Super power vs. Middle Powers and militarization of the region
 - (vii) Strategic Importance of the region: Militarily and Economically
2. Sub- regional Perspective :
 - (viii) Persian gulf
 - (ix) Red Sea & Horn of Africa
 - (x) Eastern and Southern Africa
 - (xi) South Asia
 - (xii) Australia and eastern Approaches

Unit III

1. Major Sea routes in the region.
2. Interests of External Powers: USA, Russia, China, Japan, Western Europe.
3. Future trends and prospects of security in the region.

Unit IV

1. Naval bases in the Indian Ocean Area during the Cold War and after.
2. Maritime Strategy of India.
3. Prospects of Cooperation in the Indian Ocean Region.

Books recommended

1. The Indian Ocean and the Future of American Power, Robert D. Kaplan, Random House, 2010.
2. Maritime Forces in Pursuit of National Security, Gurpreet S Khurana, Shipra, 2008.
3. India's Maritime Security, Rahul Ray Chaudhary , IDSA and Knowledge world, New Delhi, 2010.
4. Sea Power and Indian Security, Rahul Roy Chaudhary, Bresssey's ,London and Washington, 1995.
5. Role of the Coast in the Maritime Security of India, Prabhakaran Paleri, Knowledge world, New Delhi, 2007.
6. Bridges Across the Indian Ocean, IDSA Publication.
7. An Indian Ocean Perspective, National Maritime Foundation Publication, New Delhi, 2005.

DSS-403 : International Relations

Unit I

1. International relations: meaning, nature and scope.
2. Theories and Approaches:
 - (a) i. Realism
ii. Idealism.
 - (b) i. Historical approach
ii. Legalistic and institutional approach
iii. Utopian or ideal approach
iv. Realistic Approach
v. Behavioral Approach
vi. System Approach

Unit II

1. Foundation and limitations of National Power, National Interest and Foreign Policy.
2. Theories of Balance of Power and Collective Security.
3. Non- alignment: concept and importance in modern times.

Unit III

1. Development of international relations between-
 - i- India and USA
 - ii- India and Russia
 - iii- India and China
 - iv- India and Pakistan
2. Cold war: nature and evolution since 1945.
3. New cold war.

Unit IV

1. Regional organizations-SAARC, ASEAN, EEC, BIMSTEC, SCO, OAS, BRICS.
2. Principles of India's foreign policy.

Books recommended

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

DSS-404 E 1 : Disaster Management & National Security

Unit I

1. Basic concept, meaning and terminologies associated with disaster and national security.
2. Types of disaster
3. Effects of Disaster on national security

Unit II

1. Disaster profile of India
2. Study of natural disasters : Case studies - Tsunami 2004, Uttarakhand Flood 2013, Gujarat Earthquake-2001
3. Study of human induced disasters: Case studies- Bhopal Gas Tragedy, Dhanbad Coalmine Incident, Mumbai serial Bomb Blast.

Unit III

1. Disaster Management: Meaning, Concept and strategies
2. Disaster Mitigation, Response, Recovery, Relief and Reconstruction.
3. Disaster Management in India

Unit IV

1. Disaster management and International co-operation: Role of United Nations, SAARC Disaster Management Centre (SDMC), ASIAN Region Forum (ARF),
2. Role of NGOs in disaster management.
3. Role of Armed Forces and ISRO Disaster Management Support (DMS) in disaster management

Books recommended

1. R. Subramanian, Disaster Management
2. G. Vankatesh, Disaster Management in India
3. Harsh K. Gupta, Disaster Management
4. G.K. Chaudhary, Industrial disaster management
And emergency response
5. Shivendra Singh, Jitendra Singh, Disaster Management
6. Col. (Dr.) Prof. Rajesh Kumar, E. Governance and Disaster Management
7. IGNOU, **vkink izca/ku ,e0ih0,0 018**
8. Kevin M. Cahil M.D., Emergency relief operations

DSS-404 E -2 : Conflict and Media

Unit - I

1. Conflict : Concept, Meaning and definitions.
2. Media : Concept, Meaning and definitions.

Unit - II

1. Inter-relation between Conflict and Media.
2. Role of Media in International Conflict.

Unit - III

1. Information Age and changing dimensions of conflict.
2. Increasing Impact of Media on Society and States.
3. National Security and Role of Media.

Unit - IV

1. Role of Media in India : Size, Characteristics and Impact.
2. Terrorism and Media.
3. Media ethics and Laws regarding Conflict.

Books recommended

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. 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. The Media of Conflict Tim Allen, Jean Seaton
5. Ben O, War and Media Andrew Hoskins, Media and Terrorism Des Freedman, Daya Kishan
6. War and the Media Paul M. Haridakis, Barbara
7. John Stanie, War and the media Miles Hudson,

DSS-404 E -3 : Science & Technology and Non-Traditional Security

Unit I

1. Non-Traditional Security (NTS): concept, nature & scope
2. Major NTS Threats and Challenges and their typologies
3. Science, technology and Indian Society: Food, Nutrition and Human Health concerns.

Unit II

1. India's NTS policy for food, nutrition, human health and other concerns
2. Energy security and conventional sources.
3. Non-conventional options for India's Energy Security.

Unit III

1. India's policy options for India's Energy Security.
2. India's resource base.
3. Use of science and technology for the exploitation of resources in India's civil and defence sectors.

Unit IV

1. Resource scarcity and its linkage with conflict situations in India
2. India's integrated science policy for Non-Traditional Security (NTS) management.
3. Non-Traditional man- made risk reduction and India's Opportunities.

Books recommended

1. Karsten Frey, India's Nuclear Bomb on National Security, Routledge, New York, 2006.
2. Samir K. Sen, Military Technology on Defence Industrialisation: 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 Commodore C. N. Ghose, Future Defence Challenges: Armed Force of the 21st Century, Manas Publications, New Delhi.
6. J. Norris, NBC – Nuclear, Biological & Chemical Warfare on the Modern Battlefield, Brassey's, U.K., 1997.
7. Emily O. Goldman and Leslie C Eliason (eds.) The Deffussion of Military Technology and Ideas, Stanford University Press, 2003.
8. Rajesh M. Basrur, Minimum Deterrence and India's Nuclear Security, NUS Press, 2009

DSS 405 : Dissertation / Practical and Viva-Voce

The students will be assigned with the responsibility to prepare/ conduct Computer-based exercises or Computer experiments on selected topic of contemporary relevance in the field of **International Security** for the following-

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 - b Viva-Voce

