

M J P ROHILKHAND UNIVERSITY, BAREILLY
M.A./M.Sc. in Defence & Strategic Studies
(Choice Based Credit System)
SYLLABUS
(Implemented from the Academic Year 2022-23)
List of Courses (M.A./M.Sc. in Defence and Strategic Studies)

SEMESTER-I

<u>Course No.</u>	<u>Marks/Credits</u>	<u>Course Title</u>
DEF-1	100/5	Indian Art of Warfare up to 1857
DEF-2	100/5	International Strategic Relations
DEF-3	100/5	Strategic Importance of Indian Ocean
DEF-4	100/5	Theories of Modern Guerilla Warfare
DEF-5	100/4	Project

SEMESTER-II

<u>Course No.</u>	<u>Marks/Credits</u>	<u>Course Title</u>
DEF-6	100/5	Strategic Thought
DEF-7	100/5	India's Internal Security (Threats/Challenges)
DEF-8	100/5	International Law
DEF-9	100/5	Concept of War & Peace
DEF-10	100/4	Project

SEMESTER - III

<u>Course No.</u>	<u>Marks/Credits</u>	<u>Course Title</u>
DEF-11	100/5	National Security
DEF-12	100/5	Science, & Technology and National Security
DEF-13	100/5	Disarmament & Arms Control
DEF-14	100/5	Geo- Strategy & Geo-Politics
DEF-15	100/4	Tour/Project

SEMESTER-IV

<u>Course No.</u>	<u>Marks/Credits</u>	<u>Course Title</u>
DEF-16	100/5	Peace & Conflict Studies
DEF-17	100/5	Defence Economics
DEF-18	100/5	South Asia : Conflict and Co-operation
DEF-19	100/5	Research Methodology
DEF-20	100/4	Dissertation & Viva-Voce

MJP ROHILKHAND UNIVERSITY, BAREILLY

M.A./M.Sc. in Defence and Strategic Studies

(Choice Based Credit System)

SYLLABUS

(Implemented from the Academic Year 2022-2023)

List of Courses (M.A./M.Sc. in Defence and Strategic Studies)

Semester-I

L-T-P-C:3-2-0-5

DEF-01 INDIAN ART OF WARFARE UP TO 1857

Objective:

This course intends to enhance the knowledge and skill so the students with the historical aspects of Indian Art of Warfare.

Unit I:

1. Development of Military System as out lined in the Vedic and Epic literature.
2. Indian Philosophy of War – Manu - Kautilya (Military Organization, weapon, Patterns, of Warfare).

Unit II:

3. Mauryan Military System as described by Megasthenese.
4. Age of Guptas and Harshvardhan – Changes in Hindu Military System.

Unit III :

5. Arab and Turkish Invasion of India : New Trends of Warfare.
6. Rajput Military System- Art of Warfare with special reference to the battle of Terrain.

Unit IV

7. Sultanate Period-Pattern of warfare with special reference to the economic reform of Alauddin Khilji.
8. Mughal Military System- New Trends– causes of Failure.

Unit V

9. Anglo-Sikh Warfare with special reference to the battle of Sobraon.
10. Indian War of Independence 1857 A.D.

BOOKS RECOMMENDED:

- 1- Singh, S.D. Ancient Indian Warfare with special reference to the Vedic Period
- 2- Basham, A.L. The Wonder that was India.
- 3 Dikshitar, R.C. War in Ancient India
- 4- Fuller, J.F.C. The General ship of Alexander the Great.
- 5- Majumdar, R.C. Classical Account of India
- 6- Bhartiya Vidya Bhawan Publication The Age of Imperial Unit.
- 7- Sastri, K.A. Nilakanth a Age of the Nanda sand Mauryas
- 8- Ghoshal, U.N. A History of Indian Public Life
- 9- Sastri, K.A. Nilakantha A Comprehensive History of India Vol.II
- 10- Majumdar, R.C. The Classical Age.
- 11- Kangle, R.P. The Kautilya Art hashastra
- 12- Tod, James An nalsand Anti quities of Rajasthan Vol.II
- 13- Habib, M. and Nizami ,K.A. Comprehensive History of India.
- 14- Kar, H.C. Military History of India.
- 15- Robert, P.E. History of British India
- 16- Smith, V.A. Oxford History of India
- 17- Fraser, L. India under Curzon and After.
- 18- Prasad, B. Freedom and Bondage
- 19- Prasad, B. The Indian Armed Forces in World War II.
- 20- Dodwell, H.H. Cambridge History of India, Vol.VI
- 21- Longer, V. From Red Coatto Olive Green
- 22- Gopal, S. British Policy in India And other books and journals as recommended by the teacher

DEF- 02 INTERNATIONAL STRATEGIC RELATIONS**Objective:**

The objective of the course is to develop a basic understanding of the theoretical and practice related perspectives of the conduct of International Relations which is very relevant for nation states and would lead towards a holistic appreciation of National Security studies and allied aspects.

Unit I

1. Introduction to the understanding of International Relations
2. Theories and Approaches:
 - a) The Classical (Traditional) Approaches-Utopian Liberalism (Idealism) and Realism
 - b) Decision Making Theory, Game Theory & Communication Theory
 - c) Post Scientific Revolution : Neo Liberalism and Neo Realism

Unit II

3. The role of ideology in international relations with special reference to Its role in Foreign Policy : Images & Beliefs.
4. Foundation sand Limitations of National Power.
5. Concept of National Interest and its role in the formulation of foreign policy

Unit III

6. The theories of Balance of Power, Collective Security & Diplomcy.
7. Non-alignment : concept and importance in modern times.
8. Diplomacy : Traditional concept sand contemporary trends.
9. Détente : Nature and US and Soviet perceptions.

Unit IV

10. The birth of nations, Decolonization and the Neo-colonialism.
11. End of Cold War and New Cold War.
12. Developments in the Third World : Regionalism.
13. Globalization : responses received from developed and developing countries.
14. India and the United nation system : Role in UN Peacekeeping demand for permanent Membership in the Security Council.

Unit-V

15. India and ASEAN; India as an Asia Pacific Power.
16. India's Relation with USA, Russia, China and Pakistan, Israel, African Countries (Horn of Africa & Eastern-Southern Africa) & Central asia (Bilateral And Group relation).
17. The Boundries Dispute of India-China (Aksai Chin to North East) , Sino- Pakistan Nexas, OBR & CPEC, China & India Military Balance, Chinese Interests in Indian Ocean & South China Sea.
18. India's Foreign Policy: Its Foundations and Practice.
19. India's relation with Organisation SAARC, BRICS, G20, G7, BIMSTEC & OTHERS.

BOOKSRECOMMENDED:

- | | | |
|----|------------------|------------------------------------|
| 1- | Aron, R. | War and Peace |
| 2- | Wright, Q. | A Study of War |
| 3 | Frankel, J. | International Relations |
| 4- | Knorrand Verba | The International Politics |
| 5- | Sproutand Sprout | International Politics |
| 6- | Gibbs, G. | Problem of International Relations |
| 7- | Northeges | Foreign Policy and Powers |
| 8- | Frankel, J. | Making of the Foreign Policy |

- | | | |
|-----|-----------------------------------|---|
| 9- | Goldwin, R. | Readings in World Politics |
| 10- | Gupta, M.G. | International Relations, Vol. I and II |
| 11- | Morgenthau, H.J. | Politics among the Nations |
| 12- | Thompson, D. | Foreign Policy of the World |
| 13- | Black, C. | Neutralization |
| 14- | Kar, E.H. | Between Two World Wars |
| 15- | Bernard, L. | War and Its Cause |
| 16- | Deutsch, Karl, W. | The Analysis of International Relations |
| 17- | Palmer, N.D. &
Perkins, H.C. | International Relations |
| 18- | Kumar, M. | Theoretical Aspects of International Politics |
| 19- | Calvocoressi, P. | World Politics since 1945 |
| 20- | Columbus, T.A.
and Wolfe, J.H. | International Relations : Power and Justice |
| 21- | Dr. B.L Fadia | International Relation |
| 22- | Rajesh Mishra | India's Foreign Policy |
| 23- | Pushpendra Pant | International Relation |
| 24- | Dr. B.N. Khanna | International Relation |

And other books and journals as recommended by the teacher

DEF- 03 Strategic Importance of the Indian Ocean**Objective:**

This course intends to teach about the security concerns emanating from Indian Ocean region ; Traditional and Non- Traditional issues would be covered. The current strategic scenario and modern means to protect India's maritime interest would also be covered.

Unit I

1. Importance Of the Indian Ocean to the world.
2. Indian Ocean region as a concept and reality
3. Coastal states, hinter land states and islands:
 - (i) The Political characteristics of the region
 - (ii) Demographic survey
 - (iii) The sub regions
 - (iv) Naval bases in the Indian Ocean Area during the Cold War and after
 - (v) Major Sea routes in the region

Unit II

4. Political, strategic, Economic and Military importance of Indian Ocean
 - (i) Ideologies in Indian Ocean
 - (ii) Super power vs Middle Powers and militarization of the region
 - (iii) Strategic Importance of the region: Militarily and Economically
 - (iv) China's Debt Trap Policy in the Indian Ocean.
 - (v) China's OBR (Sea Route & Silk Road) in the Indian Ocean.
 - (vi) India's Diamond policy in the Indian Ocean.
5. Sub-regional Perspectives:
 - (i) Persian Gulf (Strait of Hormuz Importance for Trade)
(Importance of Hormuz for INSTC Trade route & Security of this area special reference of india Ex. Gwadar port, Chabahar Port & Duqm Port)
 - (ii) Red Sea & Horn of Africa (Trade Route and Sea Piracy)
 - (iii) Eastern and Southern Africa
 - (iv) South Asia & BIMSTEC
 - (v) Australia and eastern Approaches

Unit III

6. Interests of External Powers: USA, Russia, China, Japan, Western Europe.
7. Indian Ocean as a Zone of Peace
8. Importance of Indo-Pacific region with special reference to India's trade & security (QUAD & I2U2)

Unit IV

9. Maritime Strategy of India
10. Impact of the Globalization on the region.
11. India's SAGAR project in the Indian ocean region.
12. Prospects of Cooperation in the Indian Ocean Region

Unit V

13. Concept of RIM and Indian Ocean
14. Impact of the Globalization on the region
15. New developments in the Indian Ocean region
16. Cooperation, future trends & prospects of security in the region.

BOOKSRECOMMENDED:

1. Dr. Virendra Singh Baghel - Hind Mahasagariye desho ke samrik Sambandh
2. Dr. Hash Sinha - Hind mahasagar : Chunauti evam Vikalp
3. "Freedom to use the Seas: India's maritime Military Strategy", Integrated HQ, Ministry of Defence, (Navy), New Delhi, 2007
4. Jasjit Singh, "Maritime Security", Institute for Defence Studies and Analyses, New Delhi, 1993
5. Kunwar Rajendra Singh, Maritime security for India: New Challenges and Responses, New Century Publications, 2008
6. Michael Mc Nicholas, "Maritime Security: An Introduction", Butter worth-Heinemann Publications, USA, 2008.
7. Prabhakaran Paleri, "Role of the Coast Guard in the Maritime Security of India" (Second Edition), Knowledg World Publishers Pvt. Ltd, New Delhi, 2007

And other books and journals as recommended by the teacher

DEF- 04 THEORIES OF MODERN GUERILLA WARFARE**Objective:**

This course intends to enhance the knowledge and skills of the students with the theoretical aspects of Guerilla Warfare.

Unit I

1. Ancient and Modern Concepts of Guerilla Warfare.
2. Operational definition of Guerilla Warfare. Principles of Guerilla and Counter-Guerilla Warfare.

Unit II

3. (a) Practice of Mao's theory of Peoples War in China.
(b) Influence of Sun T zu on Mao.
(c) The Long March as an extended Guerilla Warfare.
(d) The Red Army of China and Guerilla Warfare during the time of Mao.
(e) An evaluation of Mao as a Guerilla leader.

Unit III

4. (a) Causes of the French defeat in the War of Indo-China with special reference to the battle of Dien Bien Phu.
(b) Lessons learnt from the Guerilla and Counter-Warfare in Indo-China.
(c) U.S. involvement in the war of Vietnam and analysis of their Counter-Guerilla operations.
(d) Role of General V. Nguyen Giap in the victory of Vietnamese struggle against French and American Forces.
(e) Significance of Guerilla warfare in the Spanish and Napoleonic Wars.
(f) Application of Ho Chi Minh and Mao T se Tung's strategy and tactics in the Indo-China Conflict and the Vietnam War.
5. (a) Causes of emergency in Malaya with reference to the rise of M.C.P.
(b) Insurgency and counter Insurgency in Malaya during 1948-60.
(c) Its lessons and post emergency developments. Resurgence of Armed Communism in West and East Malaysia.
(d) Counter-Insurgency operations with reference to joint Indonesian-Malaysian and Malaysian operations.

Unit IV

6. (a) Rise of Communism in Indonesia.
(c) Causes of the communist Guerilla Warfare.,
(d) An evaluation of Gen. A.H. Nasution's role in Counter-Guerilla operations and application of his theory.
7. Insurgency and Terrorism in South Asia.

Unit V

8. An Evaluation of the existence, importance and future of Guerilla Warfare in the Nuclear Age.

BOOKS RECOMMENDED:

- | | | |
|-----|----------------------|--|
| 1- | Palit, D.K. | Essentials of Guerilla warfare |
| 2- | SunTzu, | The Art of War |
| 3 | Fall, Bernard | Street without Joy |
| 4- | James, Danial | Che Guevara |
| 5- | Debrey, Regis | Che Guevara |
| 6- | Earle, E.M. | Makers of Modern Strategy |
| 7- | Wolf, Eric R. | Wars of the 20 th Century. |
| 8- | Shub, David | Lenin |
| 9- | Liddel Hart | Deterrence |
| 10- | Mark Franklin | Modern Guerilla Warfare |
| 11- | Mao T se-Tung | Guerilla Warfare |
| 12- | Buchan, | A War in Modern Strategy |
| 13- | Solvolosky | Soviet Military Strategy |
| 14- | Khan, H. | On Escalation |
| 15- | George M.Khan | National is mand Revolution in Indonesia |
| 16- | Cady, J.F. | History of Burma |
| 17- | Osanka, F.M. | Modern Guerilla Warfare |
| 18- | Asprey, Robert | War in the Shadows |
| 19- | Nasution, A.H. | Fundamentals of Guerilla Warfare |
| 20- | Clutterbuck, Richard | Guerillas and Terrorist. |
| 21- | Lacquer, Walter | Guerilla |
| 22- | Thomson, Robert | Defeating Communist Insurgency |
| 23- | Mohanty, Manoranjan | Political Philosophy of Mao-T se-Tung |

And other books and journals as recommended by the teacher.

DEF-05 PROJECT

- The candidate would be required to make a Project on an allotted topic under the supervision of Faculty Member.
- The topic would be decided by the panel of Faculty Members.
- National and International Current affair issues.

DEF- 06 STRATEGIC THOUGHT**Objective:**

The growing significance of the economic and political consideration for waging war and the profound influence of this on the art of war attracted the attention of more and more men of intellectual bent. Their writings on the subject of war hold a special position in the realm of strategic thought. All aspects of military affairs had been subjected to analysis in the revival of interest in the theory of war and its implication in contemporary world. The paper will examine the political and military thought from ancient to the nuclear age.

Unit I

- 1- Kautilya : On War, Types of War, Saptang Theory, Composition of the Army, Inter-State Relations and Diplomacy

Unit II

- 4- N.Machiavelli : On War, War and Policy, Military Organization
 5- K.Clausewitz : On War, War and Policy, Strategy and Tactics
 6- A.Jomini : Mass Army Strategy, Line of Operation, Logistics
 7- Luddendroff
 8- Napoleon
 9- Gustavas Adolphus

Unit III

- 10- F. Engles and K.Marx : War and Insurrection
 11- J. Stalin : The Theory of Socialism in One Country United Front Strategy, Soviet Strategy in World War II.
 12- Hitler

Unit IV

- 11- J.F.C. Fuller : Armoured Warfare
 12- L. Hart : Armoured Warfare
 13- G.Douhet, W. Mitchell : The Theory of Air power
 and A. Seversky
 14- H. Mackinder : Heartland Theory
 15- Karl Haushofer

Unit V

- 16- Mao-Tse-Tung : Guerrilla Warfare
 17- Mahatma Gandhi : Techniques of Conflict Resolution
 18- Lenin & Totsky
 19- Che-Guvara & Sun t zu
 20- Nuclear : Kissinger, Andre Beaufre & K. Subrahmanyam.
 Deterrence

BOOKS RECOMMENDED:

Aspray, R.P.	War in the Shadow: The Guerrilla in History
Beaufre, A.	An Introduction to Strategy with particular reference to Problem of Defence, Politics, Economics and Diplomacy in Nuclear Age
Beaufre, A.	Strategy of Action
Brien, Bond	Liddel Hart: A Study of his Military Thought
Brodie, B.	A Guide to Naval Strategy
Brodie, B.	Strategy in Missile Age
Burton, A.	Revolutionary Violence
Clausewitz K.	On War
Dixon, C.A. and Heilburn, D.	Communist Guerrilla
Earle, E.M.	Warfare Makers of Modern
Peter Parett	Strategy Makers of Modern
S. Adhikari	Strategy Modern Strategic Thought

Andother books and journals as recommended by the teacher.

Semester-II

L-T-P-C:3-2-0-5

DEF- 07 INDIA'S INTERNAL SECURITY (THREATS/CHALLENGES)

Objective: The goal of course is to equip the students with the knowledge of internal aspects of India's National Security, possible threats and challenges and also to be able to construct a response to the perceived threats. The course intends to provide students an understanding of National Security, Concept, Scope and definition and to understand the variety of threats to the state. After participation in the course students would be able to analyze the various challenges to Internal Security and would also gain knowledge about the Role of the State in Security Governance.

UNIT-I

1. Internal Security as Integral form of National Security: Vital National Assets/Installations- Elements of Power- Concept of Internal Security Management.
2. Traditional and Non – Traditional Threats - External and externally fostered Internal Threats - Threats from Land, Air, Sea and Space - Cyber & Economic Threats

UNIT-II

3. India's Security threat : Neighbouring Country (With Special Reference of SAARC And ASEAN Countries)
4. Terrorism , Terror Threats Faced by India.
5. Naxalism – History & Present
6. Why naxalism is biggest threat to internal Security (Reference to Northeast)
7. Northeast's Naxalism Group
 - Assam Insurgency, Kamtapur Liberation Organisation (KLO), ULFA, NDFB, Jamat UI Mujahiddin Bangladesh (JMB), National Socialist Council of Nagaland – Khaplang (NSCN-K)

UNIT-III

8. Cause of Internal Security Challenges and State's response:
 - a) Cross Border Terrorism
 - b) Low Intensity Conflicts
 - c) Maoism/Left Wing Extremism
 - d) Societal Challenges.
9. Role of Foreign Elements in disturbing the internal security,
10. China Contribution to Cyber warfare & its Impact on India.

UNIT-IV

11. Governance in Internal Security:
 - a) Role of Security Forces
 - b) Role of Policy and Doctrine
 - c) Role of Intelligence Agencies
 - d) Issue & Challenges Face in Border management.

Unit-V

12. Role of State:
 - a) Structure of Internal Security Management System in Union of India & State Governments
 - b) Law Enforcement
 - c) Policies of Union & State Governments
 - d) Role of Armed Forces and Para-military Forces in Internal Security Management.
 - Indian Army, Assam Rifles, BSF, ITBP, CISF, NSG, SPG

RECOMMENDED:

1. Palit,D.K.	Essentials of Guerilla Warfare
2. Tzu,Sun	The Art of War.
3. Fall,Bernard	Street without Joy
4. James,Dariiial	Che Guevara
5. Debrey,Regis	Che Guevara
6. Earle,E.M.	Makers of Modern Strategy
7. Wolf,EricR.	Peasant Wars of the 20 th Century
8. Shub,David	Lenin
9. LiddellHart	Deterrence of Defence
10. MarkFranklin	Modern Guerilla Warfare
11. Mao Tse-Tung	Guerilla Warfare
12. Buchan,A	Warin Modern Society.
13. Solvolosky	Soviet Military Strategy.
14. Khan,H.	On Escalation
15. GeorgeM.	Nationalism and Revolution in Indonesia
16. Cady,J.F.	History of Burma
17. Osanka,F.M.	Modem Guerilla Warfare
18. Asprey,Robert	War in the Shadows
19. Nasution,A.H.	Fundamentals of Guerilla Warfare
20. Clutterbuck,Richard	Guerillas and Terrorist
21. Lacquer,Walter,	Guerilla
22. Thompson,Robert	Defeating Communist Insurgency
23. Mohanty,Manoranjan	Political Philosophy of Mao Tse-Tung
24. Ashok kumar, IPS	Internal Security

And other books and journals as recommended by the teacher.

DEF- 08 INTERNATIONAL LAW**Objective:**

This course intends to enhance the knowledge and skills of the students/scholars with the legal aspects of International Security.

Unit I

1. International Law: Definition and Nature, Sources, subject
2. Extradition and Asylum.

Unit II

3. International Institutions with particular reference to the League of Nations and the United Nations Organization.
4. Collective Security under United Nations
5. Settlement of Disputes: Peaceful and Coercive methods

Unit III

6. Restructuring of United Nations
7. Laws of Land, Sea and Air Warfare

Unit IV

8. Legal Control of International Conflict. Attempts to Prohibit War (From Pact of Paris to the Charter of United Nations.)
9. Relation between Belligerents and Neutrals. Rights and Duties of Neutrals, War like preparation and operations; Violation of Neutrality.

Unit V

10. Blockade: Conception, Establishment, breach and penalties for breach, The long distance blockade.
11. Contraband: Conception, Absolute and Conditional contraband. Direct, circuitous and Indirect carriage of contraband penalties.
12. Modern developments and the Law of Neutrality.

Selected Readings:

1. Oppenheim International Law Vol. I & II
2. Julius Stone Legal Controls of International Conflict

3. Castren Modern International Law of War
4. Wright, Q. Study of War, 2 Vols.
5. Starke, J.G. International Law
6. Dhokalia, R.P. International Law
7. Fenwick. International Law
8. Ian Brownlie. Principles of Public International Law
9. Max Sorensen. Manual of Public International Law
10. Kotsch. The Concept of War in Contemporary-history and International Law.
11. Brierly. The Law of Nations
12. Oscar Svarlien. An Introduction to the Law of Nations

And other books and journals as recommended by the teacher

DEF– 09 Concept of War & Peace

Objective: War & Peace has been the History of mankind. They come one after the other and condition of human progress and development. This paper attempts to introduce fundamentals of these two concepts.

Unit I

1. Introduction (a) Nomenclature, Understanding of Military Science. Military Studies, War Studies, Peace Studies, Conflict Studies Defence Studies and Strategic Studies (b) Relevance & Significance.

Unit II

2. (a) Basic Concepts of War, Strategy, Grand Strategy, Tactics, Campaign, Battles, Operation Defence & Security (b) Categorization of War : Civil War. Limited War, Proxy War, Chemical and Biological War, Nuclear War, Guerilla War, Insurgency and Low Intensity Conflicts.

Unit III

3. Causes and Principles of War: Practice in modern times with examples.

Unit IV

4. Understanding of Peace : Meaning, Definition & Forms of Peace.
5. Gandhian Philosophy on peace & Non-Violence.
6. Nehruvian approach to National Security & Cooperation.

Unit V

7. Mechanics of War & Peace:
 - (a) Amicable Settlement of International dispute
 - (b) Concepts of Peace making, Peace Keeping & Peace Building
 - (C)Concepts of Peace making, Peace Keeping & Peace Building

BOOKS RECOMMENDED :

Books and journals as recommended by the teacher.

DEF- 010 PROJECT

- The candidate would be required to make a Project on an allotted topic under the supervision of Faculty Member.
- The topic would be decided by the panel of Faculty Members.
- National and International Current affair issues.

DEF- 011 NATIONAL SECURITY**Objective:**

The course is intended to provide an overview of the concepts and structures prevalent in the area of national security studies in recent thinking. It is hoped that through participation in the course students will gain not only an appreciation of the broad array of challenges that a country faces.

Unit I

1. Concept of National Security with reference to the contemporary thinking.
2. Comprehensive Security and Human Security
3. Defence, Foreign, Security and Domestic Policies; Concept, formulation, objectives and linkages.

Unit II

4. Environmental Security: Relationship between Environmental degradation and Human Conflict, Environmental Hazards
5. Armaments: Arms Race, Arms Aid, Arms Trade and Small Arms Proliferation.
6. Problem of System of Governance and Human Rights.

Unit III

7. Proliferation of Weapons of Mass Destruction (WMD) and NPT, CTBT, MTCR, NMD, and FMCT.
8. Military, Nuclear and Missile capabilities of China, Pakistan and India.
9. Genesis Of India-Pakistan Conflict, Indo-Pak Military balance, Kashmir Conflict After abrogation & Article 370 & 35 (A).
10. Pakistan Sponsored Terrorism, Sleeper Cell.
11. China's Silk Route and OBR Policy Challenges for India.
12. Boundaries Issue With Pakistan : Siachin (Operation Meghdoot), Sir Creek, River Water Disputes, POK.

Unit IV

13. End of Cold War and emergence of New World Order. New Trends after Sept.11,2001
14. Developments in Central Asian Republics.
15. Naxalism, Extremism, Maoism.
16. The Relation between development and spreading extremism.
17. Refugee Problem in the context of Northeast.

Unit V

18. Confidence Building Measures: Concept, Kinds, Tools and Implementation.
19. Civil-Military Relations
20. India's Relation with USA, Russia, China, Pakistan, Israel, European Union & Central Asia.
21. Civil Defence.

Suggested Readings:

1. Adic, W.A.C. Oil Politics and Sea: The Indian Ocean Ports
2. Agarwal,R.K. Defence Production & Development
3. Anand,V.K. Insurgency & Counter-Insurgency
4. Bajpai,S.C. Northern Frontier of India
5. Bajapi,U.S. Non-Alignment, Perspective and Prospective
6. Bandopadhyaya,J. Making of India's Foreign Policy
7. Brines,R. Indo-Pak Conflict
8. Chaudhary,J.N. India's Problem of National Security in the 70s.
9. Frankel,J. National Interest
10. Khera,S.S. India's Defence Problem.
11. Kohli,S.N. Sea Power and the Indian Ocean
12. Kumar,M. Theoretical Aspects of International Politics
13. Maxwell,M. India's China War.
14. Mishra,K.P. Non-alignment Frontier & Dynamics
15. Morgenthau,H.J. Politics Among the Nations
16. Panikkar,K.M. India and the Indian Ocean
17. Panikkar,K.M. Problems of Indian Defence
18. Prasad,B. India's Foreign Policy
19. Poulouse,T.T. Indian Ocean Rivalry
20. Rahman,M.W. Politics of Non-alignments
21. Rao,P.V.R. India's Defence Policy and Organisation Since Independence
22. Rao,P.V.R. Defence Without Drift
23. Saigal,J.R. Un-fought War of 1962
24. Shah,A. India's Defence and Foreign Policy
25. Singh,S. Defence of the Western Border
26. Singh,K.R. Indian Ocean
27. Singh,R. Aspect of Indian Perspectives
28. SubrahmanyamK., India's Security Perspectives
29. VenkateswaranA.L., Defence Organisation in India
30. SubrahmanyamK., Defence & Development
31. Thomas,Raju. Defence of India.
32. Ashok Kumar IPS Bharat ki Aantrik Suraksha : Mukya Chunautiyan
33. Dr. Harsh Sinha National Security
& J.M. Srivastva
34. Dr. V.S Baghel National Security & Foreign Policy

And other books and journals as recommended by the teacher.

DEF- 012 Science & Technology and National Security**Objective:**

The objective of this paper is to introduce the social science student to the developments in science and technology that have an impact on the approaches to security over the ages. The changes in weapon systems and the method of warfare that come about due to innovations in science and technology are sought to be introduced in the course on Science, Technology and National Security.

Unit I

1. Impact of S&T before World War I
 - a) Emergence of Professional Army & military theory
 - b) Weapons and Tactics on Land
 - c) Weapons and Tactics on Sea
 - d) Introduction of Aerial Weapons and concepts of Air Power

Unit II

2. World War II and the dawn of Nuclear Era.
 - a) Introduction of Hi-Tech weapons- Missiles, Submarines etc.,
 - b) The Birth of Nuclear Weapons & Nuclear Doctrines
 - c) Revolution in Delivery systems–introduction to various kinds of Missiles- ICBM, SLBM etc.

Unit III

5. Revolution in Military Affairs and its impact on weapons and warfare
 - a) Emergence of New Technologies
 - b) Revolution in Small Arms in Low Intensity Conflicts
 - c) Emergence of Improvised Explosive Devices (IED) & its impact on LIC
6. Electronic Warfare and its Impact.
7. Information Warfare

- Johan Erickson (Ed.)(1966) The Military Technical Revolution: Its Impact on strategic
And Foreign Policy:New York, Frederick APrager.
- Macksey,Kenneth(1986) Technology in War: The impact of Science on weapon
development and modern Battle: N Y, Printice Hall.
- MannT.S.(1982) Transferand Technology: Bombay, Himalaya Publications
House.
- Jasbir R.K(1987) Hand book of military science and Armament
Technology :
Dehradun, Natraj publications.
- JasbirR.K.Jayant Indian Defence Year Book: Dehradun Natraj Publication.
Baranwal Singer, SP` s Military Year Book: New Delhi, , Guide Publishers.
H.W(1988) Technology Transfer by Multinational Vol. I & II : New Delhi,
Ashish
- Rajan,Y.S.(2001) Empowering India (with Economic Business & Technological
strengths for the twenty First Century): NewDelhi, Hari
Anand.
- Zackerman Sully Science and war: London, Harmish Hamilton,
Sir (1966)

**And other books and journals as recommended by the
teacher**

DEF- 013 DISARMAMENT & ARMS CONTROL**Objective:**

This course intends to make the students/scholars aware with the advancements in field of armament. This development has led to various conflicts which in turn resulted in massive destruction of human being and state's resources. Hence, the study of disarmament and arms control becomes important in containing not only war but also the proliferation of weapons.

Unit I

- 1- Role of Nuclear Weapons in International Politics.
- 2- Concept & Nature of Disarmament.
- 3- Theories of Disarmament.
- 4- Arms Control: Agreements, Verification, Inspection, Control

Unit II

- 5- History of Disarmament: League of Nations and United Nations.
- 6- History of Arms Control: Theory and Practice.
- 7- Unilateral, Bilateral and Multilateral Approaches.

Unit III

- 8- Treaties: (i) Under Disarmament, Partial Test Ban Treaty, Nuclear Non Proliferation Treaty, Outer Space Treaty Comprehensive Test Ban Treaty.
(ii) Arms Control, SALT I and II, INF Treaty and others. .

Unit IV

- 9- MTCR : Objectives, Challenges and Role of Great Powers.
- 10- Concept Of Star War & Space War.
- 11- Nuclear Supplier group: Objective, Problems and Prospects

Unit V

- 12- National Policies in Disarmament and Arms Control: USA, Russia, China, India and Pakistan.
- 13- Disarmament and Economic Development.
- 14- Non-State Actor and Nuclear Weapons.

BOOKS RECOMMENDED:

1. A Carne saleetal, Living with Nuclear Weapons, Cambridge, Howard University Press, 1983.
2. Andre Beaufre, Deterrence and Strategy, London, 1965.
3. A.Y. Yefremov, Nuclear Disarmamnet, Moscow, 1979.
4. E.Luard, First Step to Disarmament, London, 1965.
5. J.Dougherty and J.F. Lehman Jr(ed), Arms Control for Late 60s, Inc, Crane, Russels & Co. NewYork.
6. J.J. Mearsheimer, Conventional Deterrence, London, 1983.
7. J.H.Kahn, Security in the Nuclear Age Washington, 1975
8. R.E.Jones, Nuclear Deterrence; A Short Political Analysis, NewYork, 1968.
9. SIPRI Year book
10. The United Nations, Disarmaments Year Book, NewYork, 1994.
11. Y.Harkabi, Nuclear War and Nuclear Peace, Jerusalem

And other books and journals as recommended by the teacher.

DEF- 014 Geo-Strategy and Geo-Politics

This course intends to make the students/scholars aware with the advancements in field of Geo-Politics and Military Geography.

Unit I

1. Scope and Importance of geopolitics
2. Evolution of Geopolitical Thought since the 19th Century: (a) Organic Theory of State (b) Sea Power Theory, (c) land Power Theory, (d) Rim Land Theory
3. Geo Strategy and Geo Politics of South Asia, Central Asia, Middle East, European Union, Eastern Coastal Area of African Continent, South East Asian, Near East and Far East.

Unit II

4. Geopolitics during the Cold War Period: (a) Cold War relevance of Heartland Theory, (b) Four Dimensional Worlds
5. Geopolitics in the post cold war era.
6. Role of Geography in Military applications.

Unit III

7. Important and Scope of Logistics: (a) Resources, (b) Industries, (c) Supply Chain, (d) Transportation and Communication
8. Role of Geography in land Warfare

Unit IV

9. Role of Geography in Sea Warfare
10. Role of Geography in Air Warfare

Unit V

11. 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
12. Remote Sensing: Role of Remote Sensing in Development and National Security.

SUGGESTED READINGS:

Books and journals as recommended by the teacher.

DEF- 015 TOUR/PROJECT

- The candidate would be required to submit a Tour Report on visited area of Historical/Strategic Importance. Area of Study Tour would be decided by the Department.
- The candidate would be required to make a Project on an allotted topic under the supervision of Faculty Member.
- The topic would be decided by the panel of Faculty Members.
- National and International Current affair issues.

DEF- 016 Peace & Conflict Studies

This course intends to make the students aware with the advancement sinfield of Peace and Conflict Studies.

Unit I

1. Peace and Conflict Studies: Nature and Scope
2. Conceptual analysis of Conflict and Peace

Unit II

3. Origin, Nature, Forms and structure of Conflict at inter and intra-state levels
4. Conflict Management and Conflict Resolution
5. Theories of Conflict Resolution.

Unit III

6. Techniques of Conflict Resolution
7. Role of NGO and IGO in Conflict Resolutions.
8. UN System: Peace Keeping, Peace making and Adjudication

Unit IV

9. Regional Conflicts and role of United Nations

Unit V

10. Use of Non-Violence in National Identity and Policy-Gandhian Approach and its relevance today.
11. Comprehensive Security and Human Security.

BOOKS RECOMMENDED:

Books and Journals as recommended by the teacher.

DEF- 017 Defence Economics**Objective:**

The objective of the course is to develop a basic understanding of the economic aspects of India's national security. It is hoped that after participation in the course the student would be able to appreciate the constraints under which a nation state operates in securing itself.

Unit I

1. Economic systems—Role of states vs markets; Capitalism, Socialism and Mixed Economy from Industrial Revolution to modern times
2. Economic Theory of Defence.— Adam Smith, David Ricardo, F.W. Hirst, Evan F.M. Durbin, J.M. Keynes.
3. Defence, Development and Disarmament relationship.

Unit II

4. War Potential of a nation.—Natural, Physical, Financial, Industrial and Manpower resources.
5. Economic Constraints in Defence Planning and Management.
6. Defence Production program in India: Ordnance Factories. Defence Public Sector Undertakings.

Unit III

7. Defence Budgeting in India after 1947.
8. Nature of Modern war and peace economy.

Unit IV

9. Mobilization of Resources for Defence: Domestic and Foreign resources, Methods of mobilization, War and Peace time mobilization Policy, effectiveness in short duration wars, mobilization during nuclear war.

Unit V

16. Impact of Economic Liberalization and globalization on India.
17. Economic Causes of War.
18. Economic Warfare in modern times.
19. Economic Problems of Post Warfare construction.

BOOKS RECOMMENDED:

1-	Samuelson Paul	Economics
2-	Murphy	The British War Economy
3	PagouA.C.	Political Economy of War
4-	MedicottW.N.	The Economic Warfare
5-	Robinson,L.R.	The Economic Problems in War and Peace
6-	Hirst,F.W.	The Political Economy of War
7-	Richard,K.Ashley	The Political economy of War & Peace in the Nuclear Age
8-	Hitch & Mckean	The Economics of Defence in the Nuclear Age
9-	Clark,J.J.	The New Economics of National Defence.
10-	Hitch	Decision Making for Defence
11-	Merril&Carter	Mobilization and the National Defence.
12-	Scitovsky,Shaw,	Tarsh is Mobilizing Resources for War
13-	Jain,L.C.	Indian Economy During the War
14-	Mehta,J.K.	Problems of Economic Development
15-	Khanna,D.D.	Defence Versus Development
16-	Chopra,V.D.	Disarmament and Development.
17-	Gavinkennedy	Defence Economics
18-	Stephen,Enke	Defence Management
19-	SamuaelA.Tucker	A Modern Design for Defence Decision.
20-	S.P.Pandey	An Outline of Defence Economics
21-	R.Faramazyán	Disarmament and the Economy
22-	Jemes Everet tKatz	Arms Production in Developing Countries
23-	Rajesh K.Agarwal	Defence Production and Development
24-	G.A.Kozlow	Political economy: Capitalism
25-	H.G.Mannur	International Economics

And other books and journals as recommended by the teacher.

DEF- 018 South Asia : Conflict and Co-operation**Objectives:**

The goal of the course is to enable the students to learn and understand root cause of conflicts in the region. Also students should be able to analyze various issues and concerns towards a solution for lasting peace in South Asian Region. The course is designed for students to gain knowledge of conflict in South Asia and to be able to gain the knowledge of various means of cooperation among the countries of the region and to understand the meaning and importance of lasting peace in the South Asian Region.

Unit I

1. Geo-Political setting of South Asia.
2. Economic & Human resources of South Asia
3. Governance of Modern South Asia.

Unit II

4. Power Rivalries in South Asia: USA, USSR, U.K, & China during Cold War era and After.
5. Indo-Sri Lankan Relations.
6. India or South Asia :
 - Regional Cooperation : Past Performance and Future Expectations.
 - South Asia as a Free Trade Zone.
 - India's Look east Policy.
 - Barriers to Regional Cooperation : River water Disputes, Illegal Cross Border discourse, Border Disputes.

Unit III

7. Afghanistan, Myanmar & China Strategic importance for South Asia.
8. Regional Cooperation in South Asia under the aegis of SAARC.

Unit IV

9. Intra-Regional Trade & Balance of Payment.
10. Prospects of Sub-Regional Cooperation

Unit V

11. Pattern of Civil-Military Relations in South Asian Countries.

BOOKS RECOMMENDED:

Text Books:

1. Problems of governance in South Asia, Centre for Policy Research (New Delhi, India), Konark Publishers, 2000–Political Science–479 pages.
2. The Geopolitics of South Asia: From Early Empires to the Nuclear Age
Graham Chapman, Ashgate Publishing, Ltd., 2003–333 pages

Reference Books:

1. Cooperation And Conflict In South Asia, Parth a Sarathy Ghosh Technical Publications,1989–265 pages
2. South Asian Security and International Nuclear Order: Creating a Robust Indo-Pakistani Nuclear Arms Control Regime, Mario Esteban Carranza, Ashgate Publishing,Ltd.,14-Sep-2009–198 pages
3. Stability in South Asia, Ashley J.Tellis, R and Corporation, Arroyo Centre,United States.Army,RAND,1997–History-80 pages.

And other books and journals as recommended by the teacher.

DEF– 019 RESEARCH METHODOLOGY

Objective: The Goal of this course is to impart the knowledge about the methodology of research, and also to prepare students to apply their mind for applying the tools of modern research.

Unit-I

Research in Social Sciences
Concept and types of Research-Nature & Theories of Social Science
Research- Research in Strategic Studies

Unit-II

Literature Search
Definition & Nature of Information Sources- Types of Information Sources
-Information Gathering skills- Literature Survey & Review

Unit-III

Research Design
Identification of Research Problem-Formulation of Hypothesis–Sampling-Data
Collection-Tools-Data Analysis-Techniques

Unit-IV

Application of Statistics in Social Sciences
Basics of Statistics- Data Analysis Techniques- Testing of Hypothesis-
Statistical Packages-Statistical Inference

Unit-V

Documentation
Report writing- Citation Types, Compilation and Arrangement-Foot notes and References

BOOKS RECOMMENDED:

1. Ranjit Kumar Research Methodology:A Step-by-Step Guide for Beginners
2. C.R.Kothari Research Methodology: Methods and Techniques
3. Chris Welman, Research Methodology
 Fanie Kruger &
 Bruce Mitchell
4. Chris Welman, Research Methodology for the Business and Administrative
 Kruger S.J.,& Sciences
 Fanie Kruger
5. Kumar Research Methodology: A Step By Step Guide For Beginners

And other books and journals as recommended by the teacher.

- The candidate would be required to write a Dissertation on an allotted topic under the supervision of a Faculty Member who would act as the supervisor.
- The topic would be decided by the candidates in consultation with respective Supervisors within broad framework of the research methodology, discipline with particular reference to National Security, International Strategic Relations, Area Studies, International Security, Art of War and Ancient/Modern Strategic Thoughts.
- National and International Current affair issues.