



Department of Defence

&

Strategic Studies

(New Education Policy-2020)

**(Semester Wise)
Under Graduate
&
Post Graduate
Programmes**

Prof. R.B.Singh Baghel

UNDER GRADUATE PROGRAMME

(Semester Wise)



National Educational Policy - 2020
Department of Defence & Strategic Studies
MAA PATESWARI UNIVERSITY, BALRAMPUR, (U.P.)

Faculty of Science

Semester-wise Titles of the papers in U.G. Programme in Defence & Strategic Studies

Year	Semester	Course Code	Paper Title	Theory/ Practical	Credits
Ist Year	I	DSS101T	Conceptual Aspect of war	Theory	4
	I	DSS102P	Basics of Operational Exercises-I	Practical	2
	II	DSS201T	Military History of India	Theory	4
	II	DSS202P	Basics of Operational Exercises-II	Practical	2
IInd Year	III	DSS301T	National Security- Conceptual Aspects	Theory	4
	III	DSS302P	Basics of Operational Exercises-III	Practical	2
	IV	DSS401T	Strategic Thought	Theory	4
	IV	DSS402P	Basics of TEWTs/Sand Model Exercises, Sketching, Discussion	Practical	2
IIIrd Year	V	DSS501T	Indian Defence Mechanism	Theory	4
	V	DSS502T	National security of India	Theory	4
	V	DSS503P	Military use of Electromagnetic Spectrum, Press Clipping, Tour	Practical	2
	V	DSS504R	Research Project-I	Project	3
	VI	DSS601T	Science and Technology in Relation to Warfare	Theory	4
	VI	DSS602T	Military Psychology	Theory	4
	VI	DSS603P	Spotting Strategic Locations, Military Models, Presentation	Practical	2
	VI	DSS604R	Research Project-II	Project	3

Department of Defence & Strategic Studies
MAA PATESWARI UNIVERSITY, BALRAMPUR, (U.P.)

Faculty of Science

B.A./B.Sc.- Program in Defence & Strategic Studies

Semester Courses based on CBCS

Proposed Year wise Structure of UG Program in Defence and Strategic Studies

Program Outcomes (POs)

1. Upon completion of the programme of Bachelor's in Defence and Strategic Studies, a student should have acquired basic competency in strategic affairs covering a wide spectrum of interstate security to global security issues including non-kinetic dimensions.
2. Shall develop capability in understanding the implications of use and threat of use of force in International relations.
3. Shall seek, identify and apply the acquired knowledge in defence and strategic studies on contemporary issues of strategic relevance.
4. Ability to move from LOTS (Lower Order of Thinking Skills) to HOTS (Higher Order of Thinking Skills) in Defence and Strategic Studies.
5. The learning of strategic studies shall arm the candidates to independently choose further course of action in his/her life whether pursuing higher education by taking specialized course in honours or identifying a career for himself or herself.
6. The course curriculum in Defence and Strategic Studies is designed to encourage the acquisition of disciplinary/subject understanding, gain academic knowledge and professional skills required for any career pursuit be it choosing for higher studies or a job. The outcome based approach, particularly in the context of Defence and Strategic Studies for undergraduate programme will incorporate a significant shift from teachers centric to learner centric pedagogies and a from specific to active/participatory presentation and tutorials etc. where emphasis will be on field Study, educational tours, writing assignments, seminar presentation and Tutorials etc. Teaching, therefore, becomes more interesting and absorbing aiming at demonstrative learning.

B.A./B.Sc. First Year

Certificate in Fundamentals of Defence and Strategic Studies

Program Specific Outcomes (PSOs)-

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

1. Clearly understand the definition, meaning and distinguish basic concepts of war; various types of war and its various typologies, techniques and characteristics; and Grasp the concept and theories of nuclear war in detail. (Semester-I)
2. Become familiar in evolution of art of warfare in India; Learn and understand the Strategy, tactics, application of principles of war and causes of defeat and victory of various Indian, Mughal, Maratha and Sikh Generals. Besides, in a position to appreciate and understand evolutionary changes in the art and science of war in India through ages. (Semester-II)

Semester I	Name of Paper	Credits	No. of Lectures
	Conceptual Aspect of war (Theory)	4	60
	Basics of Operational Exercises-I (Practical)	2	30
	Total	6	90

Semester II	Name of Paper	Credits	No. of Lectures
	Military History of India (Theory)	4	60
	Basics of Operational Exercises-II (Practical)	2	30
	Total	6	90

B.A./B.Sc. Second Year

Diploma in Defence and Strategic Studies

Program Specific Outcomes (PSOs) –

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

1. Develop core competencies in national security affairs by building his/her capacity on essentials of National Security through theory and practice. Understand the national security challenges both internal and external a country face; and understand the Contemporary security environment in the world. (Semester-III)
2. Acquaint them with the concepts of strategic thinking as propounded by prominent classical and modern thinkers. Students will also develop analytical thinking regarding relevance of such thought to contemporary period. (Semester-IV)

Semester III	Name of Paper	Credits	No. of Lectures
	National Security- Conceptual Aspects (Theory)	4	60
	Basics of Operational Exercises-I (Practical)	2	30
	Total	6	90

Semester IV	Name of Paper	Credits	No. of Lectures
	Strategic Thought (Theory)	4	60
	Basics of TEWTs/Sand Model Exercises, Sketching, Discussion (Practical)	2	30
	Total	6	90

B.A./B.Sc. Third Year

Degree in Bachelor of Arts or Science

Program Specific Outcomes (PSOs)

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

1. Equip the students with specific knowledge of India's threat perceptions; An assessment at both internal and external level besides fair idea of problems the country faces as a nation state; and The Structure, objectives, role and problems of Civil Defence Organization in India. (Semester V)
2. Acquire knowledge on how significant the role of science and technology is to Society and to National Security. The paper also provides realization in contemplating on the military-industrial complex (MIC) of a nation; besides Understanding the concepts and applications of Electronics Warfare, Space and Ballistic Missile Defence (BMD) in Warfare. (Semester VI)

Semester V	Name of Paper	Credits	No. of Lectures
	Indian Defence Mechanism (Theory)	4	60
	National Security of India (Theory)	4	60
	Military use of Electromagnetic Spectrum, Press Clipping, Tour (Practical)	2	30
	Research Project-I	3	45
	Total	13	195

Semester IV	Name of Paper	Credits	No. of Lectures
	Science And Technology in Relation to Warfare (Theory)	4	60
	Military Psychology (Theory)	4	60
	Spotting Strategic Locations, Military Models, Presentations (Practical)	2	30
	Research Project-II	3	45
	Total	13	195

Programme/Class : B.A./B.Sc.		First Year	First Semester
Subject : Defence and Strategic Studies			
Course Code : DSS101T (Theory) CORE-Compulsory/Elective		Course Title : CONCEPTUAL APECTS OF WAR	
Course outcomes : The student at the completion of the course will be able to: Clearly understand the definition, meaning and distinguish basic concepts of war; Various types of war and its various typologies, techniques and characteristics; and Grasp the concept and theories of nuclear war in detail.			
CREDIT : 4		Max. Marks : 25 + 75	Min. Passing Marks : 33
TOTAL NO. OF LECTURES - 60			
UNIT	TOPIC		No. of Lectures
PART-A			
I	Conceptual Formulation: a) Meaning and definition of Defence and Strategic Studies - Its relevance and significance and relationship with other disciplines of study. b) Causes of war: Political, Economic and Social, Psychological, Military aspects. c) Types of war: Total, United, Revolutionary unconventional war- Cold war.		08
II	a) Principles of War b) War as an instrument of policy: Past, Present and Future		07
III	Modern Warfare: a) Concept and definition b) Features of Modern Warfare		07
IV	Guerrilla Warfare: a) Origin and concept. b) Principles, techniques and characteristics of guerrilla c) Counter guerrilla measures.		08
PART-B			
V	Psychological Warfare: a) Definition and concept. b) Functions and Limitations.		08
VI	Economic Warfare: a) Concept and definition		06

	b) Basic dimensions c) Effects of war on National Economy	
VII	Nuclear warfare: a) Beginning of nuclear era and effects of nuclear explosion. b) Nuclear strategies of 'Deterrence' and 'Massive Retaliation'.	08
VIII	Chemical and Biological Warfare: a) Definition and concept b) Agents, their effect and military use.	08

Suggested Readings :

1. Andreski S., (1968) Military Organization and Society, Univ. California Press, Berkeley.
2. Anthony James Joes, (1996) Guerrilla Conflict before the Cold War, (Praeger Publishers,
3. Aron R., (1966) Peace and War: A Theory of International Relations, Praeger, New York.
4. Barringer R., (1972) War: Patterns of Conflict, MIT Press, Cambridge, Mass.
5. Blainey G., (1973) The Causes Of War, Macmillan, London,.
6. Montgomery Viscount, (1983) A History of Warfare, William Morrow & Co, New York City.
7. Mukherji and Shyam Lal, (1952) A Textbook of Military Science, Vol. II., Navayuga, New Delhi.
8. Osanka, F.M., (1962) Modern Guerrilla Warfare, Free Press of Glencoe, New York.
9. Sidhu, K.S., (1988) War and Its Principles, Atlantic, New Delhi.
10. Tripathi, K.S., (1970) Evolution of Nuclear Strategies, Vikas, New Delhi
11. Van Evara, Stephen, (1999), Causes of War: Power and the Roots of Conflict, Cornell University Press, Ithaca.
12. Wright, Quincy, (1942) Study of War, University of Chicago Press.
13. सिंह, टण्डन, अग्रवाल (2012) युद्ध और शांति का अध्ययन, शारदा पुस्तक भवन, इलाहाबाद
14. पाण्डेय, बाबूराम एवं पाण्डेय, रामसूरत. (2005) युद्ध और शांति के मूल तत्व, प्रकाश बुक, डिपो बरेली

And other books and journals as recommended by the teacher.

Programme/Class : B.A./B.Sc.		First Year	First Semester
Subject : Defence and Strategic Studies			
Course Code : DSS102P (Practical) CORE – Compulsory/Elective		Course Title : BASICS OF OPERATIONAL EXCERSICES-I	
CREDIT : 2		Max. Marks : 25 + 75	Min. Passing Marks : 40
TOTAL NO. OF LECTURES – Practical-30 (60 hrs)			
UNIT	TOPIC		No. of Lectures
I	1. Maps: Definition and Features; Classification and its utility for Military; Marginal information of Map, Enlargement and reduction of Maps. 2. Conventional Signs: Military and Geographical		06
II	GRID System: Four Figure and Six figure Map References.		06
III	North: Types of North and finding out True North; The Pole Star Method; The equal altitude method; Watch method & Compass method.		06
IV	Scale: Definition, Methods of representing Scale: Inter-conversion of scale into Representative Fraction, construction of simple scale line and the comparative scale lines.		08
V	Service protectors and their use.		04

Programme/Class : B.A./B.Sc.		First Year	Second Semester
Subject : Defence and Strategic Studies			
Course Code : DSS201T (Theory) CORE-Compulsory/Elective		Course Title : MILITARY HISTORY OF INDIA	
Course outcomes : After undergoing this course a student will be in a position to become familiar in evolution of art of warfare in India; Learn and understand the Strategy, tactics, application of principles of war and causes of defeat and victory of various Indian, Mughal, Maratha and Sikh Generals. Besides, in a position to appreciate and understand evolutionary changes in the art and science of war in India through ages.			
CREDIT : 4		Max. Marks : 25 + 75	Min. Passing Marks : 33
TOTAL NO. OF LECTURES - 60			
UNIT	TOPIC		No. of Lectures
PART-A			
I	• Military System in Vedic and Epic Age. • Macedonian and Indian art of war with particular reference to the battle of Hydaspes (326 B.C.)		08
II	• Kautilya's Philosophy of War: State Craft, Military Organisation, Weapon, Intelligence System, The Art of War and Interstate Relations.		07
III	• Maurya military system as described by Greek historian. • Hindu military system during the age of Gupta's and Harsh with reference to the decline of chariots and Rise of cavalry up to 7th Century AD. • Military Organisation and Pattern of Warfare during the Sultanate period with particular reference to Ala-uddin Khilji. • Turk and Rajput Military System with particular reference to the Battle of Tarrian (1192 AD)		07
IV	• The Mughal Military System with particular reference to the First Battle of Panipat (1526 AD). • The Rainut Military Organisation. Weapon system and art of fighting with particular reference to the battle of Kanwah (1527 AD)..		08
PART-B			
V	• The Maratha Military System with special reference to the third battle of Panipat (1761 AD).		08

VI	Sikh Military System with special reference to the battle of Sobraon (10 Feb. 1846AD)	06
VII	Military System of East India Company, Evolution of Indian Armed forces from 1858 to 1947 A.D., Growth of Indian Navy and Air Force	08
VIII	- India's Wars post independence (In Brief) - The First India-Pakistan War (1947-1948) - India-China War of 1962 - The India Pakistan War of 1965 - Liberation of Bangladesh of 1971 - The Kargil Conflict of 1999	08

Suggested Readings :

- Alfred, David., (1953) Indian Art of War, Atma Ram, Delhi.
- Bajwa F.S., (1964) Military System of the Sikhs, Moti Lal, Banarsi Dass, Delhi.
- Bruce, George., (1969) Six Battles of India, Rupa & Company, Calcutta.
- Das, S.T., (1969) Indian Military - Its History and Development, Sagar, New Delhi.
- Dikshitar, Ramachandra V. R. (1999) War in Ancient India. Cosmo, New Delhi.
- Fuller, J.F.C., (1958) Generalship of Alexander The Great, Natraj Publishes, Dehradun.
- Gustav Oppert, (1967) Weapons, Army Organisation and Political Maxims of Ancient Hindus, R.F Patel Rajratan Press, Ahmedabad.
- Kangle, R.P., (1963) Kautilya's Arth Shastra, University of Bombay, Mumbai.
- Majumdar, B.K., (1960) Military System in Ancient India, Firma K.L. Mukhopadhyay, Calcutta.
- Majumdar, B.N., (1963) Study of Indian Military History. Army Educational Store, Delhi.
- Roy, Kaushik, (2004) From Hydaspes to Kargil: A History of Warfare in India from 326 BC to AD 1999. Manohar, New Delhi.
- Roy, Kaushik (2011, War, Culture and Society in Early Modern South Asia, 1740- 1849, Routledge.
- Roy, Kaushik Ed., (2011), The Indian Army in the Two World Wars Brill.
- Singh, Sarva Daman. (1997) Ancient Indian Warfare: With Special Reference to the Vedic Period. Motilal Banarsidass, New Delhi.
- डेविड मेजर अलफ्रेड : (1972), भारतीय युद्ध कला, अनुवाद एस.डी. चोपड़ा, मध्य प्रदेश हिंदी ग्रंथ अकादमी, भोपाल
- शर्मा, डॉ. योगेंद्र कुमार एवंनिगम, रामलाल; (1998-99), सैन्य विज्ञान भाग 1 एवं 2, अलका प्रकाशन, कानपुर
- सिंह, टण्डन, अग्रवाल : (2012), भारतीय युद्ध कला, शारदा पुस्तक भवन, इलाहाबाद
- सिंह, टण्डन, अग्रवाल; (2009), स्वतंत्र भारत की युद्ध कला (कश्मीर से कारगिल तक), शारदा पुस्तक भवन, इलाहाबाद

And other books and journals as recommended by the teacher.

Programme/Class : B.A./B.Sc.		First Year	Second Semester
Subject : Defence and Strategic Studies			
Course Code : DSS202P (Practical) CORE – Compulsory/Elective		Course Title : BASICS OF OPERATIONAL EXCERSICES-II	
CREDIT : 2		Max. Marks : 25 + 75	Min. Passing Marks : 40
TOTAL NO. OF LECTURES – Practical-30 (60 hrs)			
UNIT	TOPIC		No. of Lectures
I	Bearing: Definition, Inter conversion of Bearing in detail. Measurement on Topographical sheet.		06
II	Liquid Prismatic Compass (LPC): Features and functions of its various parts: Attempt following exercise on the LPC: to determine magnetic north; Setting of the Map.		08
III	To find out the bearing of a point from other point situated on the ground.		08
IV	To determine one's and enemy's position on the map by resection and intersection methods with the help of compass.		10

Programme/Class : B.A./B.Sc.		Second Year	Third Semester
Subject : Defence and Strategic Studies			
Course Code : DSS301T (Theory) CORE-Compulsory/Elective		Course Title : National Security - Conceptual Aspects	
Course outcomes : This course helps students develop core competencies in national security affairs by building his/her capacity on essentials of National Security through theory and practice.			
CREDIT : 4		Max. Marks : 25 + 75	Min. Passing Marks : 33
TOTAL NO. OF LECTURES - 60			
UNIT	TOPIC		No. of Lectures
PART-A			
I	Introduction (a) Concepts of Nation, State and Nation State. Security and Defence (b) Concept, and objectives of National Security.		08
II	National Security Analysis Concept, Components and formulation of Security and Defence Policies, Co-relation between foreign, Defence and domestic policies.		07
III	Definitive framework of National Power a. Elements of National power, National interest, Foreign policy and diplomacy. b. Balance of Power, Collective Security and Collective Defence, Non-Alignment, Deterrence, Disarmament and arms control		07
IV	Challenges and Threats to National Security a. Conceptual framework of international security during cold war period: Viable trends. b. International Terrorism: Concept and Dimensions. c. Insurgency and counter Insurgency: Concept and Dimensions.		08
PART-B			
V	Concept of Defence: Threat Perception, Defence Planning and Reforms, Military ,Nuclear and Missile Capabilities of India, China and Pakistan		08
VI	Proliferation of weapons of Mass Destruction(WMD)and NPT, CTBT, MTCR, NMD and FMCT		06
VII	Armaments: Arms Race, Arms Aid, Arms Trade and Small Arms Proliferation		08

VIII	a) Historical Legacy, Geo-political and Geo-strategical considerations of Indian security. b) India in the world strategic arena: contemporary trends. Relevance of Science & Technology in National Security	08
------	---	----

Suggested Readings :

1. Booth, K., (2007) Theory of World Security: Cambridge University Press, Cambridge,
2. Buzan, Barry., (1987) People Fear and State: New Delhi, Trans Asia Publications.
3. Das, S.T., (1987) National Security in Perspective: Delhi, Gian Publishing House.
4. Frankel, Joseph., (1970) National Interest: London, Macmillan.
5. Military Balance., Latest Edition (IISS)
6. Morgenthau, Hans J., (1969) Politics Among Nations, Calcutta, Scientific Book Agency.
7. Palmer, Norman D. and Perkins, Howard C., (1968) International Relations: Calcutta, Scientific Book Agency
8. Chowdhury, Subrata Roy., (1966) Military Alliances and Neutrality in War and Peace: New Delhi, Orient Longman.
9. Singh, Nagendra., (1974) The Defence Mechanism and the Modern State: New Delhi, Asia Publishing House.
10. SIPRI Year Book Latest Edition.
11. उम्मन, टी.के. (2010) सुरक्षा: एक नया दृष्टिकोण, प्रभात प्रकाशन, नई दिल्ली
12. पाण्डेय, डॉ. रामसूरत (2014) राष्ट्रीय सुरक्षा एवं अंतरराष्ट्रीय संबंध, प्रकाश बुक डिपो, बरेली
13. सिंह, लल्लन जी. (2003) राष्ट्रीय रक्षा और सुरक्षा, प्रकाश बुक डिपो, बरेली
14. श्रीवास्तव, जे. एम. एवं सिन्हा, हर्ष कुमार (2017), राष्ट्रीय सुरक्षा, ए.एस. आर. पब्लिकेशन, लखनऊ
15. सिंह, अशोक कुमार, (2018), राष्ट्रीय सुरक्षा, प्रकाश बुक डिपो, बरेली
16. कुमार, महेंद्र (2005) अंतरराष्ट्रीय राजनीति के सैद्धांतिक पक्ष, शिवलाल अग्रवाल एंड कंपनी, आगरा

And other books and journals as recommended by the teacher.

Programme/Class : B.A./B.Sc.		Second Year	Third Semester
Subject : Defence and Strategic Studies			
Course Code : DSS302P (Practical) CORE – Compulsory/Elective		Course Title : BASICS OF OPERATIONAL EXCERSICES-III	
CREDIT : 2		Max. Marks : 25 + 75	Min. Passing Marks : 40
TOTAL NO. OF LECTURES – Practical-30 (60 hrs)			
UNIT	TOPIC		No. of Lectures
I	Relief Features and their representation on the map.		06
II	Types of slopes and their representation on the map. Ground Features – Contours and slopes.		08
III	Gradient - Determination of gradients.		08
IV	Inter visibility - Determination of inter visibility in case of rise or fall of slope.		10

Programme/Class : B.A./B.Sc.		Second Year	Fourth Semester
Subject : Defence and Strategic Studies			
Course Code : DSS401T (Theory) CORE-Compulsory/Elective		Course Title : Strategic Thought	
Course outcomes : The course will provide students an acquaintance with the concepts of strategic thinking as propounded by prominent classical and modern thinkers. Students will also develop analytical thinking regarding relevance of such thought to contemporary period.			
CREDIT : 4		Max. Marks : 25 + 75	Min. Passing Marks : 33
TOTAL NO. OF LECTURES - 60			
UNIT	TOPIC		No. of Lectures
PART-A			
I	Kautilya's Philosophy of war.		08
II	Machiavelli- The Renaissance of the Art of War.		05
III	a) Clausewitz's theories on war and politics, strategy and tactics. b) Jomini – Concept of mass army, strategy, tactics and logistics.		06
IV	Mao-Tse-Tung's views on Guerrilla warfare.		08
PART-B			
V	J.F.C. Fuller and Liddell Hart: Their views on Mechanized warfare. Concept of Mobile warfare. Advent of Tanks and decline of trench warfare.		08
VI	Mahan's Views on Sea Power and Naval Warfare.		05
VII	Douhet and Mitchell: Their views on the Role of Air Power in Modern Warfare.		08
VIII	1. Y. Harkabi, John Foster Dulles and Andre Beaufre - Theories of Nuclear War and Deterrence. a) concept of nuclear deterrence and defence with special reference to recent. b) conventional warfare in nuclear –thinking. 2. Thoughts of Mahatma Gandhi and Nehru on Peace, Security and Development.		12

Suggested Readings :

1. Dass, S.T., (1987) An Introduction to the art of war
2. Earl, E.M., (1943) Makers of Modern Strategy, Princeton.
3. Fuller, J.F.C., (1998) Armament and History, Da Capo Press.
4. Fuller, J.F.C., (1992) The Conduct of war, Da Capo Press.
5. Shama Shastri., (2012) Kautilya's Arthshastra, Low price Publications.
6. Tzu, Sun., (2015) The Art of War, Grapevine, India.
7. Duffy, Christopher., (1987) Siege Warfare, Routledge Kegan Paul.
8. Ropp, Theodore., (2000) War in the Modern World, John Hopkins.
9. Beaufre Andre., (1965) Deterrence and Strategy, Faber & Faber.
10. Mao-Te-Tung., (1967) On the protracted War: Selected works, Foreign Language Press, Peiking.
11. Nasution, Abdul Haris., (1965) Fundamentals of Guerrilla Warfare, Fredrick A Prager.
12. Reid, Brain Holden., (1987) J.F.C.Fuller: Military Thinker, Palgrave McMillan.
13. Greene, T.N., (1962) The Guerrilla and How to Fight Him, Fredrick A Prager.
14. जौहरी, आर.सी., (1977), पाश्चात्य सैन्य विचारक, चंद प्रकाश एंड ब्रदर्स, हापुड
15. पाण्डेय, बाबूराम एवं पाण्डेय, रामसूरत. (2005), र्त्त्रातेजिकविचारक, बरेली बुक डिपो, बरेली
16. सिंह ,लल्लन जी, (1997-98), आधुनिक सैन्य चिंतक (विचारक), प्रकाश बुक डिपो, बरेली
17. अधिकारी, शेखर, (2001), आधुनिक र्त्त्रातेजिक चिंतन, एस.पी.जे पब्लिकेशंस, इलाहाबाद
18. चेगुएवाराआर्गेस्तो, (2008) छापामार युद्ध, अनुवाद नरेश 'नदीम', प्रकाशन संस्थान, नई दिल्ली
19. संतजू (2010) युद्ध की कला, अनुवाद डॉ. आलोक कुमार, मांप्ले प्रेस, नोएडा

And other books and journals as recommended by the teacher.

Programme/Class : B.A./B.Sc.		Second Year	Fourth Semester
Subject : Defence and Strategic Studies			
Course Code : DSS402P (Practical) CORE – Compulsory/Elective		Course Title : Basics of TEWTs/Sand Model Exercises, Sketching, Discussion	
CREDIT : 2		Max. Marks : 25 + 75	Min. Passing Marks : 40
TOTAL NO. OF LECTURES – Practical-30 (60 hrs)			
UNIT	TOPIC	No. of Lectures	
I	Elementary knowledge of: a. Rank structure of the three services b. Study and description of ground c. Judging distance d. Section formation, Platoon formation, Organisation and Tactical use of weapons and equipment up to Platoon level. e. Elementary knowledge of Modern tactics – Field craft and patrolling. Or Appreciation the sand model of attack and defence: a. Battle of Panipat, 1526 A.D. b. Battle of Assaye, 1803 A.D.	08	
II	Sketching of the Charts of Indian Battles: a. Battle of Thagla Ridge, 1962. b. Kargil Conflict, 1999	05	
III	Sketching of the Charts of Western Battles: a. Battle of Trafalgar, 1805. b. Battle of Khem Karan 1965, Battle of Shankargarh 1971. c. Battle of Somme, 1919.	05	
IV	Lecture and group discussion on current defence topics.	12	

Programme/Class : B.A./B.Sc.		Third Year	Fifth Semester
Subject : Defence and Strategic Studies			
Course Code : DSS501T (Theory) CORE-Compulsory/Elective		Course Title : Indian Defence Mechanism	
Course outcomes : Students will learn about the defence mechanism of India and evaluate its strengths and weaknesses.			
CREDIT : 4		Max. Marks : 25 + 75	Min. Passing Marks : 33
TOTAL NO. OF LECTURES - 60			
UNIT	TOPIC		No. of Lectures
PART-A			
I	1. Introduction and Differences between Army, Military and Defence Forces 2. Second line Defence (introduction to Paramilitary Forces in brief)		08
II	The Indian Defence Forces: a. Rank Structure of the Three Services. b. Recruitment methods for Defence Services. c. Important training Institution of the Three Services.		07
III	Higher Defence Organizations of India: a. Power of the President of India in relation of Defence. b. Role and function of Ministry of Defence. c. Composition and function of Defence Committees/NSC. d. Chief of Staff and joint service Organization.		08
IV	Army Organization: a. Organization of army Headquarters (Role of COAS and PSOs). b. Static and Field formation of Indian Army. c. Arms and Services.		07
PART-B			
V	Air Force Organization : a. Organization of Air Force Headquarters (Role of CAS and PSOs). b. Static and Field formation of Indian Air Force.		07
VI	Navy Organization : a. Organization of Naval Headquarters (Role of CNS & PSOs). b. Static and Field formation of Indian Navy.		07

VII	Co-operation Between Armed Forces and Civil Authorities : a. Maintenance of Law and Order VII b. Flood Relief Operations c. Rescue and Relief Operation	08
VIII	Indian's Defence Cooperation with Foreign Countries Suggested Readings : a. Defence Diplomacy. b. Cooperation on Capacity Building and Training c. Defence Partnerships with Major Powers	08

Suggested Readings :

1. Venkateswaran, A.L., (1967) Defence Organisation in India, New Delhi: Government of India.
2. Government of India, (1924) The Army of India and its Evolution, Calcutta.
3. Ministry of Defence, Government of India, Indian Armed Forces Year Book, (Annual).
4. Palit, D.K., (1989) Essentials of Military Knowledge, New Delhi.
5. Singh, Nagendra., (1967) Defence Mechanism of Modern State, New Delhi.
6. शर्मा,डॉयोगेंद्रकुमार एवंनिगम,रामलाल,(1998-99),सैन्यविज्ञानभाग, अलका प्रकाशन, कानपुर
7. वार्षिकरिपोर्ट:रक्षाएवंविदेशमंत्रालय, भारतसरकार
8. कारडोजो, मेजर जनरलइयान, 2016) भारतीय सेना का गौरवशाली इतिहास, अनुवाद विनोद कुमार मिश्र,प्रभात प्रकाशन दिल्ली

And other books and journals as recommended by the teacher.

Programme/Class : B.A./B.Sc.		Third Year	Fifth Semester
Subject : Defence and Strategic Studies			
Course Code : DSS502T (Theory) CORE-Compulsory/Elective		Course Title : National Security of India	
Course outcomes : Students will learn about the defence mechanism of India and evaluate its strengths and weaknesses.			
CREDIT : 4		Max. Marks : 25 + 75	Min. Passing Marks : 33
TOTAL NO. OF LECTURES - 60			
UNIT	TOPIC		No. of Lectures
PART-A			
I	India's Geo-Strategic Location and significance: a. India's Borders- Nature and characteristics of land borders. b. Indian ocean territory and its strategic significance		08
II	Indian Concept of National Security: a. Meaning and Definition b. Threat Perceptions c. Types of threats to India		07
III	India's Security Problems since independence: a. Geo-political effects of partition. b. Effects on Armed Forces		08
IV	Determinants of Indian Foreign Policy - Basic Determinants: a. Objectives of Indian foreign policy; global and regional perspective. b. Objectives of Indian nuclear policy, nuclear and missile capabilities of India.		07
PART-B			
V	External Dimensions of India's security: a. India-Pak relation. Pak sponsored low intensity conflict. b. Security problems related to Pakistan including Indo-Pak wars. c. Indo-China relation: Boundary dispute. India's security prospective and defence preparedness. d. Security problems related to China including 1962 Sino-Indian war. e. Regional Security challenges: Confidence and security building measures for India and its Indian sub-continent neighbours. f. India's Maritime Security Challenges		07

VI	Internal dimension of India's security: a. Terrorism in Jammu & Kashmir b. Insurgency in North eastern states c. Naxalism	07
VII	Defence Organization in India: Structure, Objectives, Role, and Problems.	08
VIII	a. National Security Council: Structure and Role b. National Security Management and Future Challenges	08

Suggested Readings :

1. Bajpai, U.S., (1986) India and its Neighbourhood: New Delhi, Lancer International.
2. Baranwal, S.P., (1984) Measures of Civil Defence in India: New Delhi, Guide Publications.
3. Bobbing, Ross and Gordon, Sandy, (1992) India's Strategic Future: Delhi, Oxford University Press.
4. Chatterjee, R.K. (1978) India's Land Borders- Problems and Challenges: New Delhi, Sterling Publishers.
5. Chaudhury, Rahul Roy, (1995) Sea Power and India's Security, London, Brassey's.
6. Dass, S.T., (1987) National Security in Perspective: Delhi, Gian Publishers.
7. Kavic, Lorne J., (1967) India's Quest For Security: Defence Policies 1947-1965, Los Angeles, University of California Press.
8. Menon, V.P., (1961) The Story of the Integration of Indian States: New Delhi, Orient Longmans.
9. Nayar, V.K., (1992) Threats From Within: New Delhi, Lancer Publications.
10. Rao, Ramakrishna and Sharma, R.C., (1991) India's Borders, New Delhi, Scholars' Publishing Forum.
11. Rao, P.V.R., (1970) Defence Without Drift: Bombay, Popular Prakashan.
12. Singh, Jaswant (1999) Defending India: Bangalore, Macmillan India Ltd.
13. दत्त, बी.पी., (2007) स्वतंत्र भारत की विदेश नीति, अनुवाद नरेंद्र तोमर, नेशनल बुक ट्रस्ट इंडिया
14. कुमार, अशोक, (2015) भारत की आंतरिक सुरक्षा: मुख्य चुनौतियां, माइग्राहिल एजुकेशन (भारत) प्राइवेट लिमिटेड, नई दिल्ली
15. शरण, हरी एवं सिन्हा, हर्षकुमार, (2012) हिंद महासागर: चुनौतियां एवं विकल्प, प्रत्यूष पब्लिकेशन दिल्ली
16. मलिक, जनरल पी.वी., (2014) भारतीय सैन्य शक्ति, प्रभात प्रकाशन, दिल्ली
17. माधव, राम, (2015) असहज पड़ोसी (युद्ध के वर्षों बाद भारत और चीन 50), प्रभात पेपरबैक्स, नई दिल्ली

And other books and journals as recommended by the teacher.

Programme/Class : B.A./B.Sc.	Third Year	Fifth Semester
Subject : Defence and Strategic Studies		
Course Code : DSS503P (Practical) CORE – Compulsory/Elective	Course Title : Military use of Electromagnetic Spectrum, Press Clipping, Tour	
CREDIT : 2	Max. Marks : 25 + 75	Min. Passing Marks : 40
TOTAL NO. OF LECTURES – Practical-30 (60 hrs)		
UNIT	TOPIC	No. of Lectures
I	1. Thermal Imaging and Sensors. 2. Radars and its significance.	10
II	Introduction to Electronic Warfare in terms of Lasers, ECM, ECCM	08
III	Press Clippings on allotted current topics with a brief assignment	06
IV	Educational Tour and its report.	06

Programme/Class : B.A./B.Sc.	Third Year	Fifth Semester
Subject : Defence and Strategic Studies		
Course Code : DSS504R (Practical) CORE – Compulsory/Elective	Course Title : Research Project-I	
CREDIT : 3	Max. Marks : 25 + 75	Min. Passing Marks : 40
TOTAL NO. OF LECTURES – 45		
UNIT	TOPIC	No. of Lectures
I	The Candidate has to select and give inputs in any one of the following. It may include 1. Indo-Nepal Border Security and Management 2. Study and assessment of potential cyber threats in your area.	10
II	Involving application of knowledge in solving/analysing/exploring real life situation/difficult issues related to Defence and Strategic Studies.	11
III	Develop a tool for conducting a survey of the selected area and collect data from the area/ seek permission to conduct short training in the area.	12
IV	A detailed Report to be prepared and submitted.	12

Programme/Class : B.A./B.Sc.		Third Year	Sixth Semester
Subject : Defence and Strategic Studies			
Course Code : DSS601T (Theory) CORE-Compulsory/Elective		Course Title : Science and Technology in Relation to Warfare	
Course outcomes : At the end of this course, students acquire knowledge on how significant the role of science and technology is to Society and to National Security. The paper also provides realization in contemplating on the military-industrial complex (MIC) of a nation.			
CREDIT : 4		Max. Marks : 25 + 75	Min. Passing Marks : 33
TOTAL NO. OF LECTURES - 60			
UNIT	TOPIC		No. of Lectures
PART-A			
I	Science, Technology and National Security.		07
II	a. Impact of Science and Technology on Society and warfare. b. Technological breakthrough and social changes.		07
III	Transfer of Technology: a. Technology and Inter-dependence. b. Military-Industrial complex in developing and developed countries.		08
IV	Impact of science and technology in WW-1 and WW-2: a. Armoured vehicles: Tanks and APC's b. Aircrafts, UAV's and Missile. Ballistic missile and Nuclear revolution. c. Submarine and Aircraft carrier		08
PART-B			
V	Electronic Warfare: Concept and applications		08
VI	Ballistic Missile Defence (BMD): Concept and applications.		07
VII	Revolution in Military Affairs (RMA)		07
VIII	a. Defence R&D and Defence Production in India. DRDO and Defence production. b. Drone warfare: Concept and applications.		08

Suggested Readings :

1. Arcangelis, Mariode, (1990) Electronics Warfare, Ratna, New Delhi.
2. Rehman, A. (1972) Science Technology and Society: New Delhi, People's Publishers House.
3. Anand. A. (2003) Information Technology: The future warfare weapons: New Delhi, Ocean books,.
4. Baranson, Jack. (1978) Technology and the Multinationals: Lexington, Lexington Books.
5. Johan Erickson (Ed.) (1966) The Military Technical Revolution: Its Impact on strategic and Foreign Policy: New York, Frederick A Prager.
6. Macksey, Kenneth (1986) Technology in War: The impact of Science on weapon development and modern Battle: NY, Prentice Hall.
7. Mann T.S., (1982) Transfer and Technology: Bombay, Himalaya Publications House.
8. Jasbir R.K, (1987) Handbook of military science and Armament Technology: Dehradun, Natraj publications.
9. Singer, H.W., (1988) Technology Transfer by Multinational Vol. 1& II: New Delhi, Ashis.
10. Tiwari V.M. and Rajnikant, (1996) The high tech war at twentieth Century: New Delhi, Vikas.
11. Rajan,Y.S. (2001) Empowering India (with Economic Business & Technological strengths for the twenty First Century): New Delhi, Hari Anand.
12. Robert H. Latiff, (2017) Future war, Penguin Random House.
13. कलाम, डॉ.ए.पी.जे. अब्दुल एवं राजन, वाई.एस., (2015) भारत 2020 और उसके बाद, प्रभात प्रकाशन, नई दिल्ली
14. बाला, मनमोहन, (2000) रक्षा विज्ञान आयुध तथा टेक्नोलॉजी, प्रभात प्रकाशन, नई दिल्ली
15. बाला, मनमोहन, (2005) युद्ध और सूचना प्रौद्योगिकी, विकास दीप प्राइवेट लिमिटेड, नई दिल्ली
16. शंकर, काली, उपग्रह संचार प्रणाली के बढ़ते कदम, बी.पी.बी.पब्लिकेशन, नई दिल्ली

And other books and journals as recommended by the teacher.

Programme/Class : B.A./B.Sc.		Third Year	Sixth Semester
Subject : Defence and Strategic Studies			
Course Code : DSS602T (Theory) CORE-Compulsory/Elective		Course Title : Military Psychology	
Course outcomes : After having done this course, student would be able to understand and appreciate psychological aspects of war making, military leadership and emotional issues that are faced by soldiers during war and peace.			
CREDIT : 4		Max. Marks : 25 + 75	Min. Passing Marks : 33
TOTAL NO. OF LECTURES - 60			
UNIT	TOPIC		No. of Lectures
PART-A			
I	Military Psychology: Definition, Scope, Significance and its role during war and peace.		08
II	Psychological Weapons of War: Propaganda, rumour and indoctrination.		07
III	Fear and Panic in War: Causes, Consequences and Management.		08
IV	Military Leadership: Meaning, attributes, importance and role of training.		07
PART-B			
V	Discipline: Definition, purpose and tools of maintaining discipline		07
VI	Motivation and Morale factors and their utilization in the armed forces.		07
VII	Man Management: Concept, importance and strategy vis-à-vis armed forces.		08
VIII	Emotional problems and adjustment during war and peace.		08

Suggested Readings :

1. Bartlett, F.C., (1927) Psychology and the Soldier, Cambridge, Cambridge University Press..
2. Baynes, John., (1967) Morale,; A study of Men and courage London, Cassell.
3. Boring, E.G., (ed.), (1945) Psychology for the Armed Services, Dehradun, Natraj Publishers.
4. Chibber, M.L. (1986) Military Leadership to Prevent Military Coup, New Delhi, Lancer International
5. Copeland, Norman., (1967) Psychology and the soldier, Dehradun, English Book Depot..
6. Hasnain Qamar., (1967) Psychology for the fighting man, Dehradun, English Book Depot, Publishing Company.
7. Lienbarger, P.M.A., (1954) Psychological Warfare, Washington, D.C. Combat Press.
8. Raj Narain, (1979) Military Psychology, Agra: National Psychological Co-operation, 1st edition.
9. Nidhi Maheshwar, (2016) Military Psychology: Concepts, Trends & Interventions, Sage Publication India Pvt Ltd.
10. गुप्त, परशुराम, (2015) सैन्यमनोविज्ञान, प्रकाश बुक डिपो, बरेली
11. तिवारी, डॉ. निरंकार प्रसाद, (2015) सैन्य मनोविज्ञान, ए.एस.आर. पब्लिकेशन, लखनऊ
12. सिन्हा, हर्ष कुमार एवं सिंह, विनोद कुमार, सैन्य मनोविज्ञान, प्रत्युष पब्लिकेशन्स, नयी दिल्ली,

And other books and journals as recommended by the teacher.

Programme/Class : B.A./B.Sc.		First Year	First Semester
Subject : Defence and Strategic Studies			
Course Code : DSS603P (Practical) CORE – Compulsory/Elective		Course Title : Spotting Strategic Locations, Military Models, Presentations	
CREDIT : 2		Max. Marks : 25 + 75	Min. Passing Marks : 40
TOTAL NO. OF LECTURES – 30 (60 hr)			
UNIT	TOPIC		No. of Lectures
I	Strategic Maps of India: India and her neighbours; Indian States and Union Territories with Capitals; Strategic Raw Materials and Defence Industries and Atomic Reactors.		08
II	World: World Map in 1945, Countries of NATO, Non-Aligned Countries, Countries of South Asia, South East Asia, Far East and West Asia; Nuclear Nations, Indian Ocean Littoral States and World Sea Routes		08
III	Making of Models – a. Fighter Plane. b. Battle Ship. c. Rader d. Submarine e. Tank f. Missile g. Helicopter		08
IV	Presentations on current defence topic.		06

Programme/Class : B.A./B.Sc.		Third Year	Sixth Semester
Subject : Defence and Strategic Studies			
Course Code : DSS604R (Research) CORE – Compulsory/Elective		Course Title : Research Project-II	
Course outcomes: Improves writing and presentation abilities of the candidate.			
CREDIT : 3		Max. Marks : 25 + 75	Min. Passing Marks : 40
TOTAL NO. OF LECTURES – 45			
UNIT	TOPIC		No. of Lectures
I	The Candidate has to select and give inputs in any one of the following. It may include..... 1. Any Natural/Man Made disaster of your area and its management. 2. potential threats to the city security and its management		10
II	An intervention plan would be developed based on problem identified in the area/a field visit is mandatory to develop an understanding of the whole process.		12
III	The planned intervention to be carried in the selected area based on the intervention, the pre intervention state and post intervention data has to be collected and compared/based on visit and interaction the detailed in depth data has to be collected.		11
IV	A detailed report is to be submitted and evaluated.		12

POST GRADUATE PROGRAMME

(Semester Wise)





MAA PATESWARI UNIVERSITY, BALRAMPUR, (U.P.)

New Education Policy, 2020

Semester wise M.A./M.Sc. Programme in Defence & Strategic Studies

Course Structure		M.A./M.Sc. - First Year	First Semester			
Course Code		Course Title	Credits	T/P	Evaluation	
A	B	C	D	E	CTE	ETE
DSS1001	CORE	Indian Military History after 1947	5	T	25	75
DSS1002	CORE	War and Peace in modern world	5	T	25	75
DSS1003	CORE	International Strategic Relations	5	T	25	75
DSS1004	CORE	Defence Economic	5	T	25	75
DSS1005	ELECTIVE (Select Any one)	Strategic Map	5	P	50	50
DSS1006		Paper clipping : Report and Presentation	5	P	50	50

Course Structure		M.A./M.Sc. - First Year	Second Semester			
Course Code		Course Title	Credits	T/P	Evaluation	
A	B	C	D	E	CTE	ETE
DSS1007	CORE	Politics and security of Indian Ocean	5	T	25	75
DSS1008	CORE	Global security concerns	5	T	25	75
DSS1009	CORE	Dis-armament and Arms control	5	T	25	75
DSS1010	ELECTIVE	Disaster management	5	T	25	75
DSS1011	ELECTIVE	Geo-politics and Military Geography	5	T	25	75
DSS1012	ELECTIVE (Select Any one)	Chart and Model	5	P	50	50
DSS1013		Field visit and Report Presentation	5	P	50	50

Course Structure		M.A./M.Sc. - Second Year	Third Semester			
Course Code		Course Title	Credits	T/P	Evaluation	
A	B	C	D	E	CTE	ETE
DSS1014	CORE	Strategic Thought	5	T	25	75
DSS1015	CORE	National Security	5	T	25	75
DSS1016	CORE	Science and Technology and National Security	5	T	25	75
DSS1017	CORE	South Asia : Conflict and co-operation	5	T	25	75
DSS1018	ELECTIVE (Select Any one)	Paper clipping and Power Point Presentation	5	P	50	50
DSS1019		Field visit Indo-Nepal Border : Report and Presentation	5	P	50	50

Course Structure		M.A./M.Sc. - Second Year	Fourth Semester			
Course Code		Course Title	Credits	T/P	Evaluation	
A	B	C	D	E	CTE	ETE
DSS1020	CORE	International Law	5	T	25	75
DSS1021	CORE	Contemporary strategic environment and issue	5	T	25	75
DSS1022	ELECTIVE (Select Any one)	Functional Aspects of Research Methodology	5	T	25	75
DSS1023		Military sociology : Issues and Challenges	5	T	25	75
DSS1024		Cyber Security and Crime	5	T	25	75
DSS1025	Research Project/ Dissertation	Dissertation	10	P	50	50

MAA PATESWARI UNIVERSITY, BALRAMPUR, (U.P.)

Faculty of Science

M.A./M.Sc.- Programme in Defence & Strategic Studies

Semester Courses based on CBCS

Affiliation:

The proposed programme shall be governed by the Department of Defence & Strategic Studies, Faculty of Science, Maa Pateswari University, Balrampur.

Programme Structure:

The course of M.A./M.SC. (Defence & Strategic Studies) will spread in 2 years-Previous and Final. Each of which will have two semester examinations and therefore there will be four semester examination.

Program Specific Outcome (PSO):

1. Enhancement of the national security consciousness among the people.
2. Development of clear understanding of the key concepts related to security and strategic issues along with their applications in real life situations.
3. Understanding the strategic as well as domestic issues that influence the security or defence of the country.
4. Understanding India's national interests and provide the broad field within which nation states and non-state factors interacts.
5. Understanding India's national security and strategic spectrum as well as the geo strategic and geo-political realities of the nation in national and regional perspective.
6. Understanding regional and international strategic environments and their impact on India's national security.
7. Understand emerging security threats, both traditional and non-traditional, to the national security of India.



8. Understanding the role of science & technology in national security.
9. Understanding the interdisciplinary nature of national security and enhance the clear understanding of Indian military history and the evolution of Indian art of war, human rights and national security, India's internal security challenges, India's maritime interests, civil-military relations, Indian military psychology, defence organizations of India, the economics of defence budgeting and expenditure, conflict resolution and conflict management etc.
10. Enable the students for NET and pursue research work.
11. Development of analytical skill among students so that they appreciate the subject in right perspective and support stakeholders and security establishments in planning grand strategic policies of the nation.

MAA PATESWARI UNIVERSITY, BALRAMPUR, (U.P.)

New Education Policy, 2020

Syllabus for the

M.A./M.Sc. Programme in Defence & Strategic Studies

The structure of the post graduate course has been organized so as to ensure that these are minimum core component which student of defence and strategic studies shall have to study the basic requirement of the subject. This core component revolves around the following major subject areas.

Programme/Class : M.A./M.Sc.	First Year	First Semester
Subject : Defence and Strategic Studies		
Course Code : DSS1001 (CORE - Compulsory)	Course Title : Indian Military History after 1947	
Course Objectives : This India centric course included an understanding of Indian military history after independence and the defence organization of India. The main objective of this paper is to enhance the understanding of the student about the Indian Military system after independence and inculcate strategic thinking insight into them.		
CREDIT : 5	Evaluation : 25 + 75	Passing : 10 + 30
TOTAL NO. OF LECTURES - 60		
UNIT	TOPIC	No. of Lectures
I	Partition of India and Armed Forces : a) Status of Armed Forces. b) Partition of Armed Forces. c) Genesis and prospects of Kashmir Dispute, 1948. d) Role of Air Forces in Kashmir operation -1948.	12
II	Sino-Indian War 1962 : c) Border Dispute. d) Military operations. e) Politico-Military Lessons. f) India-China Borer standoff – 1962.	12
III	Indo-Pak War 1965 : a) Background and causes of Indo-Pak War – 1965. b) Military operations on western fronts. c) Politico – Military Lessons.	12



IV	Indo-Pak War 1971 : a) Genesis and causes of Indo-Pak War – 1971. b) Military operations in Eastern front and Emergence of Bangla Desh. c) Politico-Military Lessons,	12
V	Kargil conflict 1999 : a) Causes and Military operation. b) Role of IAF. c) Politico-Military Lessons, d) Operation-Sindoor causes and Military operation.	12

Suggested Readings :

1. Chopra, MK - India - the Search for Power
2. Cohen, SP -The Indian Army
3. Cohen, SP - The Pakistan Army
4. Dalvi, JP - Himalyan Blunder
5. Gupt, Sisir - Kashmir
6. Kavie, LJ - India's Quest for Security
7. Mankekar, DR - 22 Faithful Days
8. Maxwells - India's China War of 1962
9. Murti, TS - India - China Boundary: India's Options
10. Palit, DK - War in Detergent Age
11. Saigal, JR - Unfought War of 1962
12. Singh, Bhopinder - Indo-Pak Conflict on Kashmir
13. Singh Harbansh - Indo-Pak Conflict 1965
14. Singh, Jasjit - Kargil 1999
15. Singh, Nagendra - The Theory of Forces and Organisation of Defence
16. Singh, S - Libration of Bangladesh
17. Subramanyam, K - India's Security and Bangladesh

And other books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.	First Year	First Semester
Subject : Defence and Strategic Studies		
Course Code : DSS1002 (CORE - Compulsory)	Course Title : War and Peace in Modern world	
Course Objectives : 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 WAR and his legality. Human right and humanitarian law are issue related to the legal aspect of WAR. Legal status of refugee is the more important problem for the Nations. So we study the above content in this paper International Humanitarian Law.		
CREDIT : 5	Evaluation : 25 + 75	Passing : 10 + 30
TOTAL NO. OF LECTURES - 60		
UNIT	TOPIC	No. of Lectures
I	a) War and Peace: Meaning, nature & scope. b) Conceptual analysis of War and Peace. c) Roots of conflict in world politics.	12
II	a) Causes of World War first and second. b) Cold War and the struggle against the weapons of Mass Destructions (MMD). c) Regional conflicts and Role of United Nations.	12
III	a) Role of NATO in world politics. b) Role of emerging centre of power in world politics. c) Gandhian Approach and its current relevance for conflict resolution.	12
IV	a) Confidence and security building measures (CSBMs). b) Problem of CSBMs in contemporary world. c) Causes and principles of War : Practice in modern times with examples d) Concept of peace making, peace keeping and peace building.	12
V	a) Media and War, Social networking and uprising. b) Rise of Regionalism and world politics. c) Settlement of Dispute, Human security and peace building. d) Concepts of peaceful co-existence and Zone of peace.	12

Suggested Readings:

1. Tandon, M.P, and Rajesh Tandon, (1987) An Introduction of International Law, Allahabad Law Agency, Allahabad.
2. Kapoor, S.K., (1987) International Law, Central Law Agency, Allahabad.
3. Chavan, R.S., (1971) An Approach to International Law, Sterling Publisher, New Delhi.
4. Starke, J., (1972) An Introduction to International Law, Buttersworth, London.
5. Oppenheim, L (2008) International Law. 9th Edition, University of Cambridge.
6. Quincy Wright, A Study of War, Chicago, 1965.

And other Books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.	First Year	First Semester
Subject : Defence and Strategic Studies		
Course Code : DSS1003 (CORE - Compulsory)	Course Title : International Strategic Relations	
Course Objectives : To provide the broad field within which Nations of States and non-state factors interact. An attempt is made to provide for both of theoretical understanding of how and why Nations behave as they do and also a historical survey of the Major Trends in World Affairs.		
CREDIT : 5	Evaluation : 25 + 75	Passing : 10 + 30
TOTAL NO. OF LECTURES - 60		
UNIT	TOPIC	No. of Lectures
I	a) International Relations: Meaning, Nature and Scope. b) Theories and Approaches: Realism and Idealism. c) Foundation and Limitations of National power and National Interest.	12
II	a) The Role of ideology in international relations with special reference to its role in foreign policy: Images and Beliefs. b) Concepts of National interest and its role in formulation of foreign policy. c) The theory of balance of power and collective security.	12
III	a) Non Alignment: Concept and importance in modern scenario. b) Diplomacy: Traditional concepts and contemporary trends. c) War as an instrument of state policy.	12
IV	a) Cold War: Nature and evolution since 1945. b) Détente: US and Russia perceptions. c) New Cold War.	12
V	a) Developments in third world: Regionalism. b) India's foreign policy: Its foundations and practices. c) India's relation with USA, Russia, China, Pakistan, Israel, Iran, European Union and Central Asia.	12

Suggested Readings:

1. Aron, R. - War and Peace
2. Bernard, L.- War and Its Causes
3. Black, C.- Neutralization
4. Calvocoressi, P. - World Politics Since 1945
5. Columbus, T.A and Wolfe, J.H.- International Relations: Power and Justice
6. Deutsch, Karl, W. - The Analyses of International Relations
7. Frankel, J.- International Relations
8. Frankel, J. - Making of Foreign Policy
9. Gibbs. G.-Problems of International Relations
10. Godwin, R.- Readings in World Politics
11. Gupta, M.G. - International Relations, Vol. I and II
12. Kar, E.H. - Between Two World Wars
13. Knorr and Verba- The International Politics
14. Kumar, M.- Theoretical Aspects of International Politics
15. Morgenthau, H.J. - Politics Among the Nations
16. Northeges - Foreign Policy and Power
17. Northeges –Foreign Policy and Power
18. Palmer, N.D and Perkins, H.C. – International Relations
19. Sprout and Sprout- International Politics
20. Wright, Q.- A Study of War

And other books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.		First Year	First Semester
Subject : Defence and Strategic Studies			
Course Code : DSS1004 (CORE - Compulsory)		Course Title : Defence Economics	
Course Objectives : Defence and development are the two sides of the same coin. The objective of course is to study the basic concepts and theories of defence Economics and understand the inter-relationship of WAR and Economy.			
CREDIT : 5		Evaluation : 25 + 75	Passing : 10 + 30
TOTAL NO. OF LECTURES - 60			
UNIT	TOPIC		No. of Lectures
I	a) WAR Economic theory of Defence, WAR and peace Economy b) Sustainable Development: Challenges and Responses. c) Defence, Development and Dis-armament Relationship. d) Economic theory of Defence: Adam Smith, David Recardo, F.W. Hirst, Even F.M. Durbine, J.M. Keynes.		12
II	a) War potential of a Nation- Natural, Physical Financial, Industrial and Manpower Resources. b) Economic constraints in Defence planning and management. c) Defence production programme in India: (i) Ordinance Factories (ii) Defence Public Sector undertakings		12
III	a) Determinants of Planning, Programming and Budgeting. b) Defence Budgeting in India after 1947. c) Nature of modern war and peace Economy.		12
IV	a) Economic problems of Post war Reconstruction. b) Mobilization of Resources for Defence: Domestic and foreign Resources c) Natural security and international trade: WTO, TRIES, TRIMS, NAFTA, SAPTA.		12
V	a) Impact of Economic Liberalization and Globalization on India. b) India's Role in Regional and Global Economic Forums. c) Geo-Economics and its implications for Global/Regional Economic Stability d) Economic warfare is modern times.		12

Suggested Readings:

1. Agarwal, R. K. - Defence Production and Development
2. Chopra, V.D. - Disarmament and Development
3. Clark J. J. - The New Economics of National Defence
4. Faramazyan, R.- Disarmament and the Economy
5. Gavin Kennedy - Defence Economics
6. Hirst, F.W.- The Political Economy of War
7. Hitch & McKean - The Economics of Defence in the Nuclear Age
8. Hitch. - Decision Making for Defence
9. Jain, L.C. - Indian Economy During the War
10. James E.K. - Arms Production in Developing Countries
11. Khanna, D.D. - Defence Versus Development
12. Kozlow, G. A. - Political Economy: Capitalism
13. Mannur, H. G. - International Economics
14. Medicott, W.N. - The Economic Warfare
15. Mehta, J.K. - Problems of Economic Development
16. Merrill & Carter - Mobilization and the National Defence
17. Murphy - The British War Economy
18. Pagou, A.C. - Political Economy of War
19. Pandey, S.P.- An Outline of Defence Economics
20. Richard, K. Ashley - The Economic Problems of War and Peace in the Nuclear Age

And other books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.		First Year	First Semester
Subject : Defence and Strategic Studies			
Course Code : DSS1005 (CORE - Elective)		Course Title : Strategic Map	
Course Objectives : 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.			
CREDIT : 5		Evaluation : 25 + 75	Passing : 10 + 30
UNIT	TOPIC		Marks
I	Zonal Headquarters of Indian Army, Navy and Air Force		20
II	Important Naval Bases and Ports of India		20
III	Important Nuclear and Space Research Establishments in India		20
IV	Defence Research and Development Organization in India		20
V	Project Report and Viva Voce		20

Books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.		First Year	First Semester
Subject : Defence and Strategic Studies			
Course Code : DS1006 (CORE - Elective)		Course Title : Paper clipping: Report and Presentation	
Course Objectives : To provide a brief knowledge about computer graphics, paper clipping, Project work and Paper Presentation.			
CREDIT : 5		Evaluation : 25 + 75	Passing : 10 + 30
UNIT	TOPIC		Marks
I	To Prepare Computer Graphics		100
II	Lecture/Power-Point Presentation on a Selected Topic		
III	Paper Clipping		
IV	Project Work		
V	Viva-Voce		

Books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.		First Year	Second Semester
Subject : Defence and Strategic Studies			
Course Code : DSS1007 (CORE - Compulsory)		Course Title : Politics and Security of Indian Ocean	
Course Objectives : Indian Ocean Region has become the hub of intense global activity including global geo-politics over the decades for various regions. The objectives of the course are to develop understanding of challenges and opportunities for India in the decades ahead.			
CREDIT : 5		Evaluation : 25 + 75	Passing : 10 + 30
TOTAL NO. OF LECTURES - 60			
UNIT	TOPIC		No. of Lectures
I	a) Indian Ocean Region: Concept and Reality. b) Coastal States, Hinterland States and Islands. c) Geo-political importance of Indian Ocean : i) Naval bases in the Indian Ocean during cold war and after. ii) Major sea routes in the region.		12
II	a) Economic and strategic importance of Indian Ocean. b) Strategic competition in Indian Ocean and India's security prospective. c) Natural and Energy Resources in the Indian Ocean Region: Vital features and source of competition.		12
III	a) Trade and commerce through Indian Ocean and prospects of security in the region. b) Naval Powers in the Indian Ocean: USA, China, India, Iran, Pakistan and others. c) Militarization of the Indian Ocean. d) Indian Ocean as a zone of peace or conflict.		12
IV	a) India's maritime security and strategy in 21 st century. b) Threats perception, assessment and preparedness. c) Prospects of co-operation in Indian Ocean region.		12
V	a) Concept of Rim and Indian Ocean. b) Impact of globalization in the region. c) New developments and challenges in Indian Ocean.		12

Suggested Readings:

1. "Freedom to use the Seas: India's Maritime Military Strategy", Integrated HQ, Ministry of Defence (Navy), New Delhi, 2007
2. Michael Mc Nicholas - "Maritime Security: An Introduction", Butterworth-Heinemann Publications, USA, 2008
3. Prabhakaran Paleri, "Role of the Coast Guard in the Maritime Security of India", (Second Edition), Knowledge World Publishers Pvt. Ltd. New Delhi, 2007
4. Singh, Jasjit - Institute for Defence Studies and Analyses, New Delhi, 1993
5. Singh, K. R.-"Maritime Security for India: New Challenges and Responses", New Century Publications, New Delhi, 2008

And other books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.		First Year	Second Semester
Subject : Defence and Strategic Studies			
Course Code : DSS1008 (CORE - Compulsory)		Course Title : Global Security Concerns	
Course Objectives : Global 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, nature components, dimensions and threats of global security in terms of contemporary thinking and of course the needs.			
CREDIT : 5		Evaluation : 25 + 75	Passing : 10 + 30
TOTAL NO. OF LECTURES - 60			
UNIT	TOPIC		No. of Lectures
I	a) End of cold war and emergence of new world order. b) Proliferation of military, nuclear and missile capabilities. c) Environmental issues: climate change and global warning, industrial pollution.		12
II	a) Arms proliferation as a constraint National, regional and international security. b) Organized crimes: Money Laundering, Norco-trafficking, Human Trafficking and small Arms proliferation. c) Migrants and Refugees: causes, illegal migration and border management problem in South-Asia.		12
III	a) Global security concerns: Russia-Ukraine War, Palestinian-Israeli conflict, power rivalry in South-China Sea. b) Challenges to India's security in extended neighbourhood. c) Political and economic instability in Indian Sub-continent and security issues. d) Need for confidence and security building measures for India and its South Asian neighbours.		12

IV	a) India's Nuclear and missile programme and achievements. b) India's maritime security and its need for naval power projections. c) Low intensity conflicts in India with special reference to Jammu & Kashmir and North-East Region.	12
V	a) India's quest for security: Geo-political and Geo-strategical considerations. b) India's security perspective and defence preparedness. c) Food, energy and water security problems in modern era.	12

Suggested Readings:

1. Bindra S.S.: India and Her Neighbours
2. Varma S.P. and Mishra K.P.: Indian foreign policies in South Asia.
3. Chatterjee RK: Indias Land Borders I (Problems and challenges)
4. Mohan Ram : Politics of Sino-Indian Confrontation.
5. Brij. Pant U.C.: Nepal and India's National Security.
6. Gupta, Aniruddha : Issues in South Asia: Geo-politics or Geo-economics.
7. Melta. P.: A Functional competition policy for India.
8. Graham Chapman: The Geo-politics of South Asia from Early Empires to the Nuclear Age.
9. Partha Sarathy Ghosh: Co-operation and conflict in south.
10. Mario Esteban Carranza: South Asian security and International Nuclear order: Creating a Robust Indo-Pakistan Nuclear Arms Control Regime.
11. Ashley J. Tellig: Stability in South Asia.

And other books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.		First Year	Second Semester
Subject : Defence and Strategic Studies			
Course Code : DSS1009 (CORE - Compulsory)		Course Title : Disarmament and Arms Control	
Course Objectives : 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.			
CREDIT : 5		Evaluation : 25 + 75	Passing : 10 + 30
TOTAL NO. OF LECTURES - 60			
UNIT	TOPIC		No. of Lectures
I	a) Race of nuclear weapons in international politics. b) Concept and nature of disarmament and arms control. c) Objective and conditions of disarmament. d) Elements of arms control mechanisms: agreements, verification, and inspection control.		12
II	a) History of disarmament efforts: i) Under the league of nations. ii) Under the United Nations. iii) Unilateral, Bilateral and multilateral approaches. iv) Role of non-aligned nations in disarmament negotiations.		12
III	a) Weapons of mass destruction. Nuclear Chemical and Biological weapons. b) Treaties: under disarmament – partial test Ban Treaty, Nuclear non-proliferation treaty, outer space treaty, comprehensive test ban treaty.		12

	c) Under arms control – SALT I and II, INF treaty, START I and II, Chemical and Biological weapons.	
IV	a) MTCR objectives, challenges and role of great powers. b) Nuclear supplier group: objectives, problems and prospects. c) New challenges to reduce nuclear threats.	12
V	a) STAR wars and National missile defence. b) Disarmament and economic development c) Terrorism and nuclear proliferation. d) Non-state actors and nuclear weapons.	12

Suggested Readings:

1. Andre Beaufre - Deterrence and Strategy, London, 1965
2. Canesale, A. - Living with Nuclear, Cambridge, Howard University Press, 1983
3. Dougherty, J. and Lehman, J.F.- Arms Control for Late 60s, Inc, Crane, Russels & Co. New York
4. Harkabi, Y.- Nuclear War and Nuclear Peace, Jerusalem
5. Jines, R.E.- Nuclear Deterrence: A Short Political Analyses New York, 1968
6. Kahn, J.H. - Security in the Nuclear Age Washington, 1975
7. Luard, E.-FirstStep to Development, London, 1965
8. Mearshelmer, J.J.- Conventional Deterrence, London, 1983
9. SIPRI Yearbook
10. The United Nations, Disarmament Year Book, New York, 1994
11. Yefremov, A.Y. - Nuclear Disarmament, Moscow, 1979

And other books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.		First Year	Second Semester
Subject : Defence and Strategic Studies			
Course Code : DSS1010 (CORE - Elective)		Course Title : Disaster Management	
Course Objectives : To provide a broad understanding about the Disaster and Role of various Government NGO's and IGO's and its management.			
CREDIT : 5		Evaluation : 25 + 75	Passing : 10 + 30
TOTAL NO. OF LECTURES - 60			
UNIT	TOPIC		No. of Lectures
I	a) Basic concept and meaning of disaster. b) Introduction to terminologies associated with disaster and national security. c) Identifying various types of disasters.		12
II	a) Natural disaster and human induced disaster: floods, cyclone, earthquake, Tsunami, WMD disaster. b) Disaster associated with various industries. c) National disaster management authority.		12
III	a) Disaster management in India. b) National Disaster Management Act 2005, 2009 and 2016. c) Disaster management cycle in India.		12
IV	a) Disaster mitigation, response and recovery. b) Relief and reconstruction c) Institutional mechanism for disaster management in India.		12
V	a) Role of armed forces in disaster management. b) Role of Central and State Governments NGO's. c) Role of media and social media in disaster management.		12

Suggested Readings:

1. Bryant Edwards (2005): Natural Hazards, Cambridge University Press, U.K.
2. Carter, W. Nick, 1991: Disaster Management, Asian Development Bank, Manila.
3. Central Water Commission, 1989, Manual of Flood Forecasting, New Delhi.
4. Damon, P. Copola, (2006) Introduction to International Disaster Management, Butterworth Heineman.
5. Government of India, 1997, Vulnerability Atlas of India, New Delhi.
6. Gupta A.K., Niar S.S and Chatterjee S. (2013) Disaster Management and Risk Reduction, Role of Environmental Knowledge, Narosa Publishing House, Delhi.
7. Kaspersen, J.X., R.E. Kaspersen, and B.L.. Turner III (Eds.), 1995: Regions at Risk: Comparisons of Threatened Environments, United Nations University Press, Tokyo
8. Modh S. (2010) Managing Natural Disasters, Mac Millan publishers India, LTD.
9. Murthy D.B.N. (2012) Disaster Management, Deep and Deep Publication PVT. Ltd. New Delhi.
10. Roy, P.S. (2000): Space Technology for Disaster management: A Remote Sensing & GIS Perspective, Indian Institute of Remote Sensing, (NRSA) Dehradun.
11. Sahni, Pardeep et.al. (eds.) 2002, Disaster Mitigation Experiences and Reflections, Prentice Hall of India, New Delhi.
12. Sharma, R.K. & Sharma, G. (2005) (ed) : Natural Disaster, APH Publishing Corporation, New Delhi.
13. Singh Satendra (2003): Disaster Management in the Hills, Concept Publishing Company, New Delhi.
14. Taori, K (2005): Disaster Management through Panchayati Raj, Concept Publishing Company, New Delhi.
15. White, G.F, 1974 : Natural Hazards: Local, National, Global, Oxford University Press, New York.
16. White, Gilbert F. and J. Eugene Hass, 1975: Assessment of Research on Natural Hazards, Cambridge, the MIT Press, MA.

And other books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.	First Year	Second Semester
Subject : Defence and Strategic Studies		
Course Code : DSS1011 (CORE - Elective)	Course Title : Geo-politics and Military Geography	
Course Objectives : The course with intends to make the students/scholars aware with the Advancements in the field of Geo-politics and Military geography. To study of military geography of India and Related defence problems is also very important for contributing in shaping of the defence policy of the country.		
CREDIT : 5	Evaluation : 25 + 75	Passing : 10 + 30
TOTAL NO. OF LECTURES - 60		
UNIT	TOPIC	No. of Lectures
I	a) Concept and meaning of Geo-politics. b) Scope and importance of Geo-politics. c) Development of Geo-politics.	12
II	a) Geo-politics during the cold war . b) Geo-politics in the post war era. c) Role of Geography in military applications.	12
III	a) Importance and scope of logistics: resources, industries, supply chain, transportation and communication. b) Planning process and principles of strategic geography. c) Role of geography in land warfare.	12
IV	a) Role of geography in sea warfare – i) Mackinder : Hart Land theory ii) Sparkman : Rim Land theory b) Role of geography in Air warfare – i) 'Geography of land determines the course of battle' ii) 'Foreign policy of country is determined by its geography'	12
V	a) Emerging centre of power in world scenario and geopolitics. b) Military geography of India and defence problems: India's boundaries, terrain in border areas, population in border areas and implications to border security. c) Indian Ocean and South China Sea: New geo-political environment and India's security.	12

Suggested Readings:

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 Co-operative, 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

And other books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.		First Year	Seond Semester
Subject : Defence and Strategic Studies			
Course Code : DSS1012 (CORE - Elective)		Course Title : Chart and model	
Course Objectives : To enhance the knowledge and creativity of the students through making strategic charts and models.			
CREDIT : 5		Evaluation : 25 + 75	Passing : 10 + 30
UNIT	TOPIC		Marks
I	Disputed Land Areas with bordering States -Pakistan, China, Bangladesh and Nepal		20
II	Disputed Sea Area with Bordering States-Pakistan and Bangladesh		20
III	Conflict Zones of South Asia Indian Pakistan, China, Nepal, Bangladesh and Sri Lanka		20
IV	Field Wok/Educational Tour and Report		20
V	Viva-Voce		20

Books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.		First Year	Second Semester
Subject : Defence and Strategic Studies			
Course Code : DSS1013 (CORE - Elective)		Course Title : Field visit and Report Presentation	
Course Objectives : To enhance the knowledge about the various defence location and establishments in India.			
CREDIT : 5		Evaluation : 25 + 75	Passing : 10 + 30
UNIT	TOPIC		Marks
I	Field Visit: Report and Presentation		100
II	Viva-Voce		

Books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.	Second Year	Third Semester
Subject : Defence and Strategic Studies		
Course Code : DSS1014 (CORE - Compulsory)	Course Title : Strategic Thought	
Course Objectives : The objective of the course is to provide knowledge about the concepts of strategy and tactics and relationship between war and politics. Thoughts of note strategic think on these topics to develop strategic thinking skills of the students.		
CREDIT : 5	Evaluation : 25 + 75	Passing : 10 + 30
TOTAL NO. OF LECTURES - 60		
UNIT	TOPIC	No. of Lectures
I	a) Manu : on war elements of the army military march, tactics, inter-state relations and diplomacy. b) Kautilya : on war, types of war, saptang theory composition of the army, inter-state relations and diplomacy. c) Surkacharya : Art of war, Army, Battle order, fortresses, diplomacy and inter-state relations.	12
II	a) N. Machiavelli : On war, War and policy, Military organization. b) K. Clausewitz : On war, War and policy, Strategy and tactics. c) A.Jomini : Mass army strategy, Line of operation logistics.	12
III	a) Enyels and Marks : War and insurrection. b) Lenin : War, War and policy, Concept of peace c) Stalin : The theory of socialism in one country united front strategy, Soviet Strategy World War-II	12
IV	a) Andre Beaufre : thought on nuclear deterrence. b) Armoured and Mechanized Warfare : comparative study of Fuller and Liddle Hart thoughts. c) Douhet, Mitchel and Server sky : the theory of air power	12
V	a) A.T. Mohan : The theory of sea power. b) Mackinder : Heartland theory. c) Mao-TseTung : Gurilla warfare. d) Mahatma Gandhi : Technique of conflict resolution. e) Modern nuclear era : i) Beaufre ii) Henary Kissanger iii) K.Subramanyam iv) Y.Harkavi f) Doctrine of operation Sindoor.	12

Suggested Readings:

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

And other books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.	Second Year	Third Semester
Subject : Defence and Strategic Studies		
Course Code : DSS1015 (CORE - Compulsory)	Course Title : National Security	
Course Objectives : 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.		
CREDIT : 5	Evaluation : 25 + 75	Passing : 10 + 30
TOTAL NO. OF LECTURES - 60		
UNIT	TOPIC	No. of Lectures
I	a) Concept of National security with reference to the contemporary thinking. b) India's National security objectives and aspirations in a changing world. c) Security Dimensions: Internal security, external security, human security, comprehensive security and cyber security.	12
II	a) National power: conceptual framework of National power, Tangible and intangible elements of national power. b) Threat spectrum: Concept of threat and challenges. c) National security paradigm.	12
III	a) Concept and model of International security. b) Concept components and formulation of security and Defence policies, doctrines and their linkages. c) International Terrorism: Concept and dimension, Low intensity conflicts in India with special reference to Jammu & Kashmir and North-East Region.	12
IV	a) India's National Security Problematic: in the world strategic scenario. b) India-China-Pakistan boundary dispute, Efforts for the settlement of the boundary dispute. c) Arms Proliferation as a constraint to national, regional and international security.	12
V	a) Military, Nuclear and Missile capabilities of China, Pakistan and India.	12

	b) India's security perspectives and defence preparedness. c) Maritime security challenges. d) Intelligence and its relevance for National security, Use of ICT and recommendations.	
--	--	--

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) Baipai, U.S. - Non-Alignment, Perspective and Prospective
- 5) Bajpai, S.C- Northern Frontier of India
- 6) Bandopadhyaya, J. - Making of India's Foreign Policy
- 7) Brines, R. - Indi-Pak Conflict
- 8) Chaudhary, J.N. - India's Problem of National Security in the 70s.
- 9) Frankel, J. - National Interests
- 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

And other books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.		Second Year	Third Semester
Subject : Defence and Strategic Studies			
Course Code : DSS1016 (CORE - Compulsory)		Course Title : Science and Technology and National Security	
Course Objectives : Science and technology innovation of 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.			
CREDIT : 5		Evaluation : 25 + 75	Passing : 10 + 30
TOTAL NO. OF LECTURES - 60			
UNIT	TOPIC		No. of Lectures
I	a) Science and Technology and Society. b) Impact of Major technological breakthroughs on society. c) Applicability of science in the field of defence.		12
II	a) Broad survey of technological changes from industrial revolution to information revolution. b) Technological development between World War I & II in Land, Sea and Air. c) Chemical, Biological Science and their Military utility.		12
III	a) India's Civil Nuclear and Space Programs. b) C312, Command control and Communication, Intelligence and information. c) Revolution in Military affairs (RMA) d) Drone Warfare and B.M.D.		12
IV	a) International interdependence and transfer of defence technology: Global trend and Indian Scenario. b) Technology transfer control regime. c) Defence production in India (Role of DPSUs and Ordnance factories) DRDO and Indian Defence.		12
V	a) Relevance of Science and Technology in National Security. b) Research and Development. c) Impact of Information Technology. d) Cyber Security: Vulnerabilities of Information Technology and internet.		12

Suggested Readings:

- 1) Anand, A. - Information Technology: The Future Warfare Weapons, Ocean Books, New Delhi
- 2) Arcangelis, A. - Electronics Warfare, Ratna, New Delhi
- 3) Baranson, Jack - Technology and the Multinationals, Lexington Books, Lexington
- 4) Deva, Yashvant -Dual-Use of Information Technology: An Indo Centric Perspective, IDSA, New Delhi
- 5) Hard, David - Nuclear Power in India, George Allen, London
- 6) Jayant Baranwal - S.Ps. Military Year Book, Guide Publishers, New Delhi
- 7) John, Erickson - The Military Technical Revolution: Its Impact on Strategy and Foreign Policy: New York.
- 8) Khana, S.K. - India: A Nuclear Power, Commonwealth Publishers, New Delhi
- 9) Lal, A.K. - Space Warfare and Military Strategy: An Indian Perspective, USI, New Delhi
- 10) Rajan, Y.S. -Empowering India Strengths for the 21st Century, Har Anand, New Delhi
- 11) Rehman, A. - Science Technology and Society, Peoples Publishing House, New Delhi
- 12) Sen, S.K. - Military Technology and Defence Industrialization, Manas Publications, New Delhi
- 13) Siddhartha, K. - Oceanography: A Brief Introduction, 3rd Edition, Kisalaya Publishers, New Delhi
- 14) Tee Marek - Military Technology, Military Strategy and Arms Race, Groom Helm, London
- 15) Tellis A. - India's Emerging Nuclear Posture: Oxford University Press, London
- 16) Tiwari, R. -The High-Tech War of Twentieth Century, Vikas Publishing House, New Delhi

And other books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.		Second Year	Third Semester
Subject : Defence and Strategic Studies			
Course Code : DSS1017 (CORE - Compulsory)		Course Title : South Asia : Conflict and Co-operation	
Course Objectives : 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. This objective of the course is to understand the conflict and co-operation matrix of South Asian Region.			
CREDIT : 5		Evaluation : 25 + 75	Passing : 10 + 30
TOTAL NO. OF LECTURES - 60			
UNIT	TOPIC		No. of Lectures
I	a) Geo-political importance of South Asia. b) Social and cultural structure of South Asia (Diversity of Race, Language and Religion) c) Economic and Human resources of South Asia.		12
II	a) Power rivalries in South Asia (USA, Russia, China during Cold War and after. b) Internal problems and conflict in South Asia Region (India-China-Pakistan, Sri Lanka, Bangladesh, Myanmar, Nepal, Bhutan and Maldives) c) Regional Co-operation in South Asia.		12
III	a) Strategic importance of China, Afghanistan and Myanmar for South Asia. b) Political and Economic instability in South Asia region and security prospects. c) Challenges to India's security in extended neighbourhood.		12
IV	a) India's Maritime security: India's coastal management and recommendations. b) Low intensity conflict and insurgency: Internal security problems of India. c) India's security concerns vis-à-vis Pakistan and China.		12
V	a) Problems of refugees, Causes of migration and Border security. b) India's security perspectives and Defence preparedness. c) Imperatives of India's National Security strategy.		12

Suggested Readings:

- 1) Asshley, J. - Stability in South Asia, Rand Corporation United States, 1997
- 2) Carranza, M. E. - South Asian Security and International Nuclear Order: Creating a Robust Indo-Pakistani Nuclear Arms Control Regime, Assagate Publishing, Ltd.
- 3) Ghosh, P.S. - Cooperation and Conflict in South Asia, Technical Publications, 1989
- 4) Problems of Governance in South Asia, Centre for Policy Research, Konark Publishers, New Delhi, 2000
- 5) The Geopolitics of South Asia: From Early Empires to the Nuclear Age, Grahon Chapman, Ashgate Publishing Ltd. 2003

And other books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.	Second Year	Third Semester
Subject : Defence and Strategic Studies		
Course Code : DSS1018 (CORE - Elective)	Course Title : Paper clipping and Power Point Presentation	
Course Objectives : To provide a brief knowledge about computer graphics, paper clipping, Project work and Paper Presentation.		
CREDIT : 5	Evaluation : 25 + 75	Passing : 10 + 30
UNIT	TOPIC	Marks
I	To Prepare Computer Graphics	100
II	Lecture/Power-Point Presentation on a Selected Topic	
III	Paper Clipping	
IV	Project Work	
V	Viva-Voce	

Books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.	Second Year	Third Semester
Subject : Defence and Strategic Studies		
Course Code : DSS1019 (CORE - Elective)	Course Title : Field visit Indo-Nepal Border: Report and Presentation	
Course Objectives : To provide a brief knowledge about a historic, tactical, strategically importance place and prepare/presentation of the report.		
CREDIT : 5	Evaluation : 25 + 75	Passing : 10 + 30
UNIT	TOPIC	Marks
I	Field Visit: Report and Presentation	100
II	Viva-Voce	

Books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.		Second Year	Fourth Semester
Subject : Defence and Strategic Studies			
Course Code : DSS1020 (CORE - Compulsory)		Course Title : International Law	
Course Objectives : To provide a brief knowledge about the various international laws their applicability on Nation.			
CREDIT : 5		Evaluation : 25 + 75	Passing : 10 + 30
TOTAL NO. OF LECTURES - 60			
UNIT	TOPIC		No. of Lectures
I	a) International Law: Definition and nature, sources, subject b) Concept of state and its types, Recognition of state, nationality. c) Relationship between International law and Municipal law.		12
II	a) War concept, declaration of war, regulation on war, effect of war. b) Settlement of dispute. c) Intervention. d) International organisations: The League of Nations and purpose and principles of the United Nations.		12
III	a) Restructuring of United Nations. b) The law of the sea, Piracy. c) Law of Aerial warfare, including aircraft hijacking. d) Law of land and outer space.		12
IV	a) Nuclear, Biological and chemical warfare. b) Extradition. c) Relation between Belligerents and Neutrals, rights and duties of neutrals, violation of neutrality.		12
V	a) Blockade: Conception, breach and penalties for breach. b) International Treaties. c) Human rights in Indian Constitution NHRC d) Refugee: concept, refugee problems in South Asia, solutions.		12

Suggested Readings:

1. Brienly - Thee Law of Nations
2. Castren - Mordern International Law of War
3. Dhokalla, R. P. - International Law
4. Fenwick - International Law
5. Ian Brownlie - Principles of Public International Law
6. Julius Stone- Legal Controls of International Conflict
7. Kotsch - The Concept of War in Contemporary History and International Law
8. Max Sorensen - Manual of Public International Law
9. Oppenheim - International Law, Vol. 1 & II
10. Oscar Svarlien - An Introduction to the Law of Nations
11. Starke, J. G.- International Law
12. Wright, Q. - Study of War, 2 Vols

And other books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.	Second Year	Fourth Semester
Subject : Defence and Strategic Studies		
Course Code : DSS1021 (CORE - Compulsory)	Course Title : Contemporary Strategic Environment and Issue	
Course Objectives : India's National Security Environment is determined by its geographical tributes, historical ligancy, 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 disseminate the knowledge for civil services aspirants besides role of armed forces in dealing with the threats has also been focused.		
CREDIT : 5	Evaluation : 25 + 75	Passing : 10 + 30
TOTAL NO. OF LECTURES - 60		
UNIT	TOPIC	No. of Lectures
I	a) Conflict in Korean Peninsula: Genesis and contemporary trends. b) Israel-Palestine conflict: Genesis and contemporary trends. c) Conflict in South-China Sea: Challenges and responses.	12
II	a) Afghanistan imbroglio: challenges and responses. b) Islamic fundamentalism in Agfa-Pak Region: challenges and responses. c) Emergence of ISIS: challenges and responses.	12
III	a) Israel-Iran conflict: Geo-strategically environment of Middle East. b) Effect of Israel-Iran conflict and Middle East. c) Central Asia: conflict, issue and challenges.	12
IV	a) Strategic environment of Indo-Pacific Region and QUAD. b) China's Belt and Road initiative: strategic implication for India. c) Pak sponsored terrorism and security prospective.	12
V	a) European's current security problems in changing world scenario. b) Russia-Ukraine war and security issues. c) Asia's New Geo-political environment and India's security liability.	12

Suggested Readings:

1. Rajendra Prasad: India's Security in 21st Century- Challenges and Responses.
2. Nancy Jetly: India's security Challenges: Perspective and Prospects (Strategic Analysis Des 1999)
3. David Carlton and Carlo Schaerf: International Terrorism: A New Mode of Conflict.
4. George Schwargenberger: Terrorist, Hijackers, Guerrilleros and Mercenaries, Current Legal prolem Vol- 24, 1971
5. Brett Plandna: Cyber Terrorism and Information Security.
6. Sridhar and Mahendra Ved: Afghan Buz Kashi: Power Games and the Gamesmen, Wordsmiths.
7. Tara Kartha: Tools of Terror.
8. N. Manoharan: Cyber warfare: A New Generation Threat to India.
9. Charles Billo and Welton Chang: Cyber warfare: An analysis of the means and motivations of certain.
10. V.P.Malik and Schultz: The rise of China: Perspectives from Asia and Europe.
11. Mirchandani G.G.: India's Nuclear Dilemma.
12. K.K.Pathak : Nuclear Policy of India.
13. Kamath. P.M. : Indian Nuclear Policy: From Idealism to realism.
14. Jasjeet Singh (ed): Nuclear India.
15. Subrammaniam R.R.: India, Pakistan, China: Defence and Nuclear Tangle in South Asia.
16. Keith Callard: Pakistan: A Political Study.
17. Rushbrook L.F.: The State of Pakistan.

And other books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.		Second Year	Fourth Semester
Subject : Defence and Strategic Studies			
Course Code : DSS1022 (CORE - Elective)		Course Title : Functional Aspect of Research Methodology	
Course Objectives : The objective of the course is to make student knowledgeable about the research process and to enable them to pursue research work competently.			
CREDIT : 5		Evaluation : 25 + 75	Passing : 10 + 30
TOTAL NO. OF LECTURES - 60			
UNIT	TOPIC		No. of Lectures
I	a) Meaning and objectives of research. b) Types of research. c) Research cycle.		12
II	a) Research problem: Meaning and types. b) Characteristics of a good research problem. c) Process and sources of good research problem.		12
III	a) Hypothesis: Meaning and types b) Characteristics and sources of hypothesis. c) Deference between research problem and research hypothesis.		12
IV	a) Sources of material. b) Review of Literature. c) Data collection techniques. d) Use of statistical method.		12
V	a) Analysis and writing. b) References and footnotes. c) Bibliography. d) Appendix.		12

Suggested Readings:

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

And other books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.	Second Year	Fourth Semester
Subject : Defence and Strategic Studies		
Course Code : DSS1023 (CORE - Elective)	Course Title : Military Sociology: Issues and Challenges	
Course Objectives : Military sociology will not only acquaint the student with 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.		
CREDIT : 5	Evaluation : 25 + 75	Passing : 10 + 30
TOTAL NO. OF LECTURES - 60		
UNIT	TOPIC	No. of Lectures
I	a) Impact of war on society. b) Effect of Military life on dependents. c) Stress in military service.	15
II	a) Problems of Re-settlement of war victims. b) Social problems of military personnel (killed or disabled) c) Demobilisation, rehabilitation and social adjustment of Ex-serviceman. d) Society, Culture and Military system.	15
III	a) Gender issues in armed forces. b) Role and positions of women in armed forces. c) Problems of war widows.	15

IV	a) Politicization of armed forces: trend and impact. b) Use of arm forces in civil unrest: issues and complications. c) Civil-Military Relations in India. d) The soldier and social change.	15
----	---	----

Suggested Readings:

- 1) Baynes, J.C.M., (1972) The soldier in Modern Society, Eyre Methuen, London.
- 2) Doorn, Jacques Van, (1975) The Soldier and Social Change, Sage Publications, New Delhi.
- 3) Gutteridge, William (1965), Military institutions and power in the new States, Pall Mall Press, London.
- 4) Janowitz, Morris (1959), Sociology and the Military Establishment, Russell Sage Foundation
- 5) Johnson, John (ed.) (1962), Race, Class & Military: The role of the Military in under developed Countries, Princeton University Press.
- 6) Parmar, Leena. (1994), Society, Culture and Military System, Rawat Publications, Jaipur.
- 7) Parmar, Leena. Ed., (1999), Military Sociology: Global Perspectives, Rawat Publishers & Distributors, Jaipur.
- 8) Shaw, Martin (ed.) (1984), War, State & Society, Macmillan Press, London.
- 9) Strachey, Alix (1957) The unconscious motives of war., Allen & Unwin, London

And other books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.	Second Year	Fourth Semester
Subject : Defence and Strategic Studies		
Course Code : DSS1024 (CORE - Elective)	Course Title : Cyber Security and Crime	
Course Objectives : The Goal of this course is to impart the knowledge about security dimensions of cyber threat and crime and also to prepare students to apply their mind for prevention of such threats. The course should enable the students to gain knowledge about various types of Cyber Crime and Cyber Threats to National Security.		
CREDIT : 5	Evaluation : 25 + 75	Passing : 10 + 30
TOTAL NO. OF LECTURES - 60		
UNIT	TOPIC	No. of Lectures
I	Introduction to Cyber Technologies : a) Information Systems – Networks/LAN/WAN – Military Sensors. b) Objective of Cyber Warfare. c) Dimensions of Cyber Security. d) Cyber Space and National Security.	12
II	Types of Cyber Crime : a) Hacking – Password Cracking – Insecure Network Connection. b) Impact of Cyber Crime. c) Cyber Crime and Information Security.	12
III	Impact of Cyber Crime on National Security : a) Impact on Armed Forces & Law enforcement Agencies Information System. b) Cyber Terrorism: A serious problem. c) Cyber Security as an element of National Security.	12
IV	Detection and Prevention Methodologies : a) Risk Identification – Levels of Protection – Cyber Defensive Measures. b) Cyber-attack : A weapon of – Mass Annoyance c) Cyber warfare: A new generation threats for security.	12

V	Cyber laws : a) Cyber Terrorism and information security. b) Cyber war on India by neighbourhood countries. c) India's cyber security challenges.	12
---	--	----

Suggested Readings:

1. Cyber Security the Essential body of knowledge by Dan Shoemaker and Wm Arther Conklin, published by Cengage Learning-ISBN-978-1-4354- 8169-5
2. Cyber Security and Homeland Security - edited by Lin V Choi -ISBN -1- 59454-728-9
3. Cyber Security - Public Sector threats and responses edited by Kim Andreasson, published by CRC Press, ISBN -978-1-4398-4663-6
4. Cyber Security - the Essential body of knowledge by Dan Shoemaker and Wm Arthur Conklin, published by Cengage Learning - ISBN - 978-1-4354- 8169-5
5. Cyber Security and Homeland Security - edited by Lin V Choi - ISBN-1-5944-728-9
6. Cyber Security - Public Sector threats and responses edited by Kim Andreasson, published by CRC Press, ISBN - 978-1-4398-4663-6

And other books and journals as recommended by the teacher.

Programme/Class : M.A./M.Sc.		Second Year	Fourth Semester
Subject : Defence and Strategic Studies			
Course Code : DSS1025 (CORE - Compulsory)		Course Title : Dissertation	
Course Objectives : The students will be assigned with the responsibility to prepare a research/essay on selected topic of contemporary relevance in the field of International Security.			
CREDIT : 10		Evaluation : 25 + 75	Passing : 10 + 30
UNIT	TOPIC		Marks
I	Students are advised to select their topic in consultation with their guide. The dissertation is a longish research essay of publishable quality (of 30 to 40 pages/approx. 10,000 worlds.) Format of submission: a) Students are required to submit TWO copies of the dissertation, dully typed and bound. b) Use A4 size paper and use Times New Roman script with 12 font size and 1.5 spacing for lines.		100
II	Viva-Voce		

Books and journals as recommended by the teacher.