

**KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA
UNIVERSITY, JALGAON**

**B. A. Programme in-
*DEFENCE AND STRATEGIC STUDIES***



‘A’ Grade NAAC Re-accredited (4th Cycle)

T.Y.B.A. - (Semester- Vth and VIth)

(Syllabus Structure Revised Under NEP-2020 for UG Course)

With Effect from Academic Year: 2026-2027

June-2026

KAVAYITRI BAHINABAI CHAUDHARY NORTH MAHARASHTRA UNIVERSITY, JALGAON (FACULTY OF HUMANITIES)

Syllabus under NEP-2020 for B.A. Defence and Strategic Studies , Syllabus Structure (w.e.f. 2026-27)

Semester-wise Course Structure of B.A. Defence and Strategic Studies Bachelor of Arts

(Honors / Research), There/ Four-Year

T.Y.B.A. (level 5.5) Sem-V

Sr. No.	Course	Category	Subject Code	Name of the Course (Title of the Paper)	Total Credit	Hours / Semester	Teaching Scheme (Hrs / Week)		Evaluation Scheme	
							Theory (T)	Practical (P)	Continuous Internal Evaluation (CIE) CA	End Semester Evaluation (ESE)UA
01	Major	DSC	DEF-311	Arms Control and Disarmament - I	02	30	02	--	20	30
02	Major	DSC	DEF--312	India's Defence Mechanism - I	04	60	04	--	40	60
03	Major	DSC	DEF- 313	Science and Technology in Relation to Warfare-I	04	60	04	--	40	60
04	Major Elective	DSE	DEF-314 -A OR DEF- 314-B OR DEF-314-C	Military Psychology – I OR International Organizations -I OR Global Security Issues - I	04	60	04	--	40	60
05	MIN	MIN	DEF-315	Modern Warfare- I	04	60	04	--	40	60
06	VSC	VSC	DEF-316	Disaster Management and Security – I	02	30	02	--	20	30
07	FP	FP	DEF-317	Filed Project / CEP	02	30	02	--	20	30
Total					22	--	22	--	--	--

**Field Project and CEP will be conducted according to the guidelines provided by the University.*

KAVAYITRI BAHINABAI CHAUDHARY NORTH MAHARASHTRA UNIVERSITY, JALGAON (FACULTY OF HUMANITIES)

Syllabus under NEP-2020 for B.A. Defence and Strategic Studies Syllabus Structure (w.e.f. 2026-27)

Semester-wise Course Structure of B.A. Defence and Strategic Studies Bachelor of Arts

(Honors /Research), There/ Four-Year

T.Y.B.A. (level 5.5) Sem-VI

Sr. No.	Course	Category	Subject Code	Name of the Course (Title of the Paper)	Total Credit	Hours / Semester	Teaching Scheme (Hrs / Week)		Evaluation Scheme	
							Theory (T)	Practical (P)	Continuous Internal Evaluation (CIE) CA	End Semester Evaluation (ESE) UA
01	Major	DSC	DEF-321	Arms Control and Disarmament - II	02	30	02	--	20	30
02	Major	DSC	DEF- 322	India's Defence Mechanism - II	04	60	04	--	40	60
03	Major	DSC	DEF- 323	Science and Technology in Relation to Warfare- II	04	60	04	--	40	60
04	Major Elective	DSE	DEF - 324 -A DEF -324- B DEF-324-C	Military Psychology – II OR International Organizations – II OR Global Security Issues- II	04	60	04	--	40	60
05	MIN	MIN	DEF-325	Terrorism	02	30	02	--	20	30
06	VSC	VSC	DEF-326	Disaster Management and Security – II	04	60	04	--	40	60
07	FP	FP	DEF-327	Filed Project / CEP	02	30	02	--	20	30
Total					22	--	22	--	--	--

**Field Project and CEP will be conducted according to the guidelines provided by the University.*

SEM-IV
DSC-DEF-311- Arms Control and Disarmament - I.
Total Hrs-30
Credit-02

Course Objectives-

1. Gain an in-depth understanding of the concepts of arms control and disarmament.
2. Understand the nature of the arms race in international politics.
3. Become familiar with major international treaties and institutions related to arms control.
4. Understand India's role in promoting global peace.
5. Develop the ability to analyze contemporary security challenges.

Unit I: Arms Race and Conceptual Background

- a) Meaning and nature of the arms race
- b) Historical background of the arms race
- c) Cold War and the arms race
- d) Political, economic, and social consequences of the arms race

Unit II: Arms Control – Meaning, Objectives, and Nature

- a) Meaning and definition of arms control
- b) Objectives of arms control
- c) Types of arms control
- d) Need for arms control and its limitations

References

1. Freedman Lawrence, The Evolution of Nuclear Strategy
2. Patel Bimal N. (Ed.), Arms Control and Disarmament
3. Palmer Norman D. & Perkins Howard C. International Politics
4. 4Viotti Paul R. & Kauppi Mark V, World Politics
5. Rajagopalan Rajesh, India's Nuclear Policy
6. United Nations Office for Disarmament Affairs – Annual Reports & Publications
7. Goldstein Joshua S. & Pevehouse Jon C, Introduction to International Relations
8. Paul D. Williams (Ed.), Security Studies
9. Jain R. K., Strategic Studies
10. Stockholm International Peace Research Institute – SIPRI Yearbook

Course Outcomes -After completing this course, students will be able to:

Sr.no	Course Outcomes
01	Clearly explain the difference between arms control and disarmament.
02	Critically analyze major international arms control agreements.
03	Evaluate India's security policy.
04	Express informed opinions on contemporary global security issues.

DSC-DEF- A – 312: India's Defence Mechanism – I

Total Hrs-60

Credit-04

Course Objectives -

1. To provide students with a conceptual and theoretical understanding of India's defence newly restructured defence mechanism.
2. To understand the historical background and evolution of India's defence mechanism.
3. To introduce the revised structure and functioning of defence organization and administration of Indian Armed Forces.
4. To highlight the role and importance of the Indian Armed Forces in national security.
5. To provide students with comprehensive information regarding the country's security apparatus.

Unit -I: Defence Organization and Administration in India

- a) Constitutional Provisions Related to Defence of the nation
- b) Role of the President, Prime Minister, Union Cabinet and Parliament in security mechanism
- c) Ministry of Defence: Structure and functions
- d) Cabinet Committee on Security
- e) The need for improvements in the security mechanism

Unit-II: Revised Structure of Security System

- a) Committees related to security system improvements
- b) Kargil Review committee
- c) Lt. Gen. D. B. Shekatkar Committee
- d) National Security Council (NSC)
- e) National Security Advisory Board. (NSAB)
- f) National Security Advisor (NSA) and National Security Council Secretariat. (NSCS)
- g) Strategic Policy Group. (SPG)

Unit-III: Indian Armed Forces – Structure and Functions

- a) Indian Army: Organization, command structure, and role.
- b) Indian Navy: Organization and maritime security.
- c) Indian Air Force: Organization, air power, and doctrine
- d) Strategic Forces Command.
- e) Coast Guard. (CG)

Unit-IV: Revised Structure of Indian Armed Forces.

- a) Department of Military Affairs (DMA)
- b) Chief of Defence Staff (CDS)
- c) Theatre Command.
- d) Future Structure of Integrated or Theatre Commands of Indian Armed Forces.
- e) Agneepath / Agnee

References

1. Cohen, S. P., & Dasgupta, S. (2010). Arming without aiming: India's military modernization. Brookings Institution Press.
2. Department of Defence. (2020). Annual report 2019-20. Government of India, Ministry of Defence.
3. Government of India. (2017). Joint doctrine of the Indian Armed Forces. Headquarters Integrated Defence Staff.
4. Gurmeet Kanwal. (2012). Indian army: Vision 2020. Harper Collins India.
5. Karnad, B. (2005). Nuclear weapons and Indian security: The real issues. Macmillan India.
6. Mattoo, A., & Sakhuja, V. (Eds.). (2012). India's foreign policy: Old problems, new challenges. Orient Blackswan.
7. Pant, H. V. (2019). Indian foreign policy: An overview. Oxford University Press.
8. Singh, Jasjit. (1999). Defence from the skies: Indian air power through fifty years. Knowledge World.
9. Tellis, A. J. (2015). Security challenges in South Asia. Carnegie Endowment for International Peace.
10. विसपुते देवेंद्र , चौधरी ए. पी. ,सं रक्षण पत्रकारितेची मुलतत्वे २०२५. प्राईम पब्लिशिंग हाऊस , जळगाव
11. <https://idsa.in/publisher/comments/defining-the-charter-of-chief-of-defence-staff>
12. <https://www.gatewayhouse.in/the-legacy-of-indias-first-cds/>
13. <https://www.canada.ca/en/department-national-defence/corporate/organizational-structure/chief-defence-staff/former-chiefs-defence-staff.html>
14. Raza Maroof, The CDS: A Long Overdue Step, <https://salute.co.in/the-cds-a-long-overdue-step/>
15. Subramaniam Arjun, www.orfonline.org/expert-speak/why-india-s-military-needs-integration-first
16. Chandramohan Balaji, <https://finsindia.org/Indias-theatre-command-model-and-its-strategic-connotation.html>

Course Outcomes -After completing this course, students will be able to:

Sr.no	Course Outcomes
01	The students will understand the basic concepts and structure of India's defence mechanism.
02	The objectives of the recent reforms in India's security system will come to their attention.
03	The students will be able to analyze the reforms in India's security mechanism.
04	Through this, they will be able to evaluate the role of the country's Armed forces in national security.
05	Students will gain an understanding of the changes occurring in the defense sector in accordance with the evolving global landscape.

DSC- DEF- 313- Science and Technology in Relation to Warfare-I

Total Hrs-60

Credit-04

Course Objectives:

1. To trace the evolution of tactical engagements through early inventions, the steam engine, and the firepower revolution.
2. To examine the mechanics and strategic impact of the Strategic Triad (Land, Sea, Air).
3. To analyse the doctrine of mutually Assured Destruction (MAD) and its historical role in deterrence theory.
4. To Evaluate the basic principles of rocket science and distinguish between cruise and ballistic missiles.

Unit I: The Human and Tech Connection.

- a) Science vs. Technology
- b) Force Multipliers
- c) The Spill over Effect

Unit II: The Rise of Machines.

- a) Engines of Change
- b) Firepower Revolution
- c) Steel Giants

Unit III: The Nuclear Shadow (Science & Responsibility)

- a) The Power of the Atom
- b) Delivery Systems
- c) Deterrence Theory

Unit IV: Missiles and Missile Defence System.

- a) Rocket Science
- b) Types of Missiles
- c) The Shield

References:

1. Jordan, James. Understanding Modern Warfare. Cambridge University Press.
2. Ventre, Daniel. Cyber & Information Warfare. Wiley.
3. Tripathi, K.S. Evolution of Nuclear Strategies. Vikas Publishing.
4. अशोक कुमार रक्षा एवं स्ट्रैटेजिक अध्ययन ,प्रकाश बुक डेपो , बरेली

Course Outcomes -After completing this course, students will be able to:

Sr.no	Course Outcomes
01	Student will analyze the historical journey of warfare from manual tools to the complex machinery of the industrial and nuclear ages.
02	Student will articulate how early scientific discoveries and the spillover effect act as force multipliers in both combat and civilian life.
03	Student will evaluate the strategic significance of nuclear energy and the mechanisms that prevent total global conflict.
04	Student will demonstrate a clear understanding of modern delivery systems and ballistic missile defense (BMD) shields .

DSE – DEF – 314 (A) Military Psychology - I

Total Hrs-60

Credit-04

Course Objectives

1. To understand and appreciate psychological aspects of war making, military leadership, motivation and emotional issues that is faced by soldiers during war and peace.
2. Students of this subject will also learn the importance of leadership, discipline man, management, motivation and morale factors in a soldiers' life.
3. To create awareness about mental illnesses among soldiers and civilians in war-related situations.
4. To analyse and evaluate the Soldiers' mental state.
5. Creating awareness about psychological testing and the mental health of soldiers through this Military Psychology Subject.
6. To emphasize the importance of maintaining mental health and morale of the soldiers.

Unit-I Military Psychology

- a) Definition, Scope, Significance of Military Psychology
- b) Role of Military Psychology during war and peace.
- c) Psychological Analysis.
- d) Leadership in Military Services.
- e) Moral and Tress Management.

Unit-II Psychological Weapons of War

- a) Propaganda, Types -White, Geray and Black propaganda.
- b) Various techniques of propaganda.
- c) Purpose of propaganda.
- d) Rumour and indoctrination.
- e) The increasing use of social media and its negative effects.

Unit-III Fear and Panic in War

- a) Causes, Consequences and management.
- b) Terror and Fear.
- c) Psychological techniques to control fear.
- d) Civilian Distress and Combat Stress Reaction.
- e) Coping Mechanisms - Limiting Media, Physical and Mental Health

Unit-IV Military Leadership

- a) Meaning and attributes of Military Leadership.

- b) Importance of Military Leadership.
- c) Role of training, Group Dynamics and Unit Cohesion.
- d) Military Leadership & Social Issues.
- e) Purpose, Direction, and Motivation.

References:

1. Chibber, M.L. (1986) Military Leadership to Prevent Military Coup, Lancer International, New Delhi.
2. Copeland, Norman, (1967) Psychology and the Soldier, English Book Depot, Dehradun.
3. Hasnain Qamar, (1967) Psychology for the fighting man, English Book Depot, Dehradun. 4] Linebarger, P.M.A., (1954) Psychological Warfare, Combat Press, Washington, D.C.
4. Nidhi Maheshwari, (2016) Military Psychology: Concepts, Trends and Interventions, Sage Publication India Pvt Ltd, New Delhi.
5. Raj Narain, (1979) Military Psychology, National Psychological Corporation, Agra. 7] Zinta R., Military Personnel Psychology, Neha Publishers, New Delhi, 2015.
6. Ray A., Psychology of Military, Manas Publication, New Delhi.
7. चौधरी ए पी आणि विसपुते देवेंद्र , सैनिक मानशास्त्र , प्रशांत पुब्लिकेशन , जळगाव
8. Kumar, Updesh. "The Routledge International Handbook of Military Psychology and Mental Health." Routledge, 2020.
9. Malhotra, V. P. "Psychology for Soldiers." Vij Books India Private Limited, 2021.

Course Outcomes -After completing this course, students will be able to:

Sr.no	Course Outcomes
01	For the students, who are studying Military Psychology subject acquire specialized skills to understand and manage behaviour of armed forces personnel in high-stress military environments.
02	It will enhanced leadership abilities, improved mental health support for armed forces personnel, better group cohesion, increased resilience and expertise in psychological operations among the students.
03	The students will gain knowledge including combat stress management, personnel selection, leadership development, ethical issues.
04	Through the study of this subject student will gain knowledge about soldier's anxiety disorders and substance abuse in military settings, combat stress management, mental health post-disaster and survival training. leadership, morale and will become skilled in their treatment.

DSE-DEF 314 (B)- International Organizations

Total Hrs-60

Credit-04

Course Objective:

1. To make the students to understand the various approaches of international Organizations.
2. To make the students to understand the historical background of formation of International Organizations.
3. To focus on current international disputes and their implications.

Unit I - International Organization.

- a) Evolution
- b) Development
- c) Theories
- d) Practices

Unit II - League of Nation, Structure, Functions and its Roles

- a) Global Power Politics from 1920 to 1945
- b) Failure of League of Nations and its Consequences
- c) League of Nation and Peace & Security- Decolonization Process, Human Rights.

Unit III - International Security Environment and UNO

- a) Background-Cold War Era. And Post-Cold War Era.
- b) Present International Security Environment.
- c) Roll of UNO.

Unit IV - International Security Organizations

- a) NATO.
- b) SEATO.
- c) CENTO
- d) Warsaw Pact

References:

1. Wood Robert, (ed) The Process of International Organization (New York: RandomHouse, 1971)
2. Kher R.S. United Nations Organization, (New Delhi: Wisdom Press, 2013)
3. K.P.Saksena, Reforming the United Nations (New Delhi: Sage, 1993)
4. SJR Bilgrami, International Organization, (New Delhi: Vikas, 1983)
5. M.S.Rajan, World Order and the United Nations (New Delhi: HarAnand, 1995)
6. SugathaRamcharrit, United Nations and World Politics (New Delhi: Kaniksha, 1998)

7. संयुक्त राष्ट्र आणि इतर आंतरराष्ट्रीय संघटना ,डायमंड प्रकाशन पुणे
8. उत्तरा शहस्रबुद्धे , आंतरराष्ट्रीय सम्बन्ध :शीतयुद्ध व जागतिक राजकारण ,ओरियंटल प्रकाशन ,पुणे
9. मराठ व वकोश - आंतरराय संस्था वभाग, marathivishwakosh.org
10. आंतरराय राजकारण, ा. सु. ग. शेवडे
11. जाग तक राजकारण, डॉ. जयंत पाट ल
12. संयु त रासंघ – रचना, काय व भू मका, डॉ. र. व. जोशी
13. आंतरराय कायदा व संघटना, डॉ. सुभाष कशाळकर
14. शीतयु ध आ ण जाग तक राजकारण, ा. वनायक गोखले
15. अंतराय संगठन, डॉ. एस. सी. संघल, LNA BOOKS
16. अंतराय संगठन, आर.बी.डी. पि लकेशन
17. अंतराय राजनी त, डॉ. पु पेश पंत
18. अंतराय संबंध, डॉ. वी. एन. ख ना
19. संयुत रासंघ : संरचना, काय एवं चुनौ तयाँ, डॉ. बी. एल. फ इया
20. शीत युध और व राजनीत, डॉ. राज साद पांडे
21. NCERT – समकाल न व व राजनी त (क ा १२) अ याय ६ - अंतरा य संगठन, नःशु क उपल ध
22. साम रक अ ययन एवं सुर ा संगठन, डॉ. जे. एन. द त
23. व व क मुख सै य सं धयाँ, डॉ. ह र चं शमा
24. मराठ व वकोश - marathivishwakosh.org
25. NCERT - ncert.nic.in
26. Vision IAS Hindi Notes - visionias.in
27. Drishti IAS Hindi - drishtiias.com/hindi

Course Outcomes -After completing this course, students will be able to:

Sr.no	Course Outcomes
01	The Student would be able to understand the evaluation, Theories, etc. related to International Organisation.
02	The student will be able to Identify, design and apply potential policy solutions designed to resolve or mitigate real-world conflicts.

DSE - DEF 314(C)-Global Security Issues I

Total Hrs-60

Credit-04

Course Objectives:

1. To create understanding the challenges to Global Security and World Peace among the students.
2. To Study the Global Strategic and Security Issues.
3. To analyze and evaluate the Global Security Issues. Learning

Unit-I. Global Security

- a) Meaning and concept
- b) National security and Global Security
- c) Traditional security and non-traditional security

Unit-II Challenges of non-state actors and Global Security

- a) Meaning and concept
- b) Ethnic crisis
- c) Organized Crime - Illegal trafficking drugs, women and small arms
- d) Solution

Unit-III Environment Security

- a) Meaning and concept
- b) Pollution problem and Global Security
- c) Global warming and greenhouse effect
- d) Energy water and food security
- e) Solution for Environmental Security

Unit-IV Cyber Security Issues

- a) Meaning and concept
- b) A.I. and social security
- c) Cyber crime and threats to Global Security
- d) Prevention from cyber crime

References

1. Booth, Ken (2007), Theory of World Security, Cambridge University press , Cambridge.
2. Hough Petter, Malik Shahin, International Security Studies: Theory and Practice, Routledge Publisher, New Delhi
3. Hough Petter, Understanding Global Security, Routledge Publisher, London and New York,

4. Human Development Report 1994, (HDR 1994)
5. Mishra Brijaylaxmi, United Nations and Security Challenges in New millennium, Kilaso books, New Delhi 2004
6. Military Balance , Latest Edition (IISS)
7. Morgan Patrick, International Security : Problem and Solution, Sage publishers, New Delhi,2006.
8. Patil K.B. & others, International Security Issues, (Marathi) Atharva Publication, Dhule, 2020
9. Nayyar K.K.& others , National Security: Military Aspects, Rupa Co.,New Delhi,2003
10. Rogers Paul, Losing Control : Global Security in the Twenty First Century, Heritage Publishers, New Delhi,2010
11. Shashtri M.N., Introduction to Environment, Himalaya publisher House,Mumbai 2005.
12. Subramanyam K., Security - India's future in the New Millennium.
13. Vispute D.J.,Todkar B.D., Dharmadhikari Madhuri., Jagtik Suraksha (Marathi) Prashant Publication, Jalgaon,2015
14. SIPRI , Year Book, Latest Edition.
15. AI and Emerging Technologies, UNESCO.

Course Outcomes -After completing this course, students will be able to:

Sr.no	Course Outcomes
01	Understand the basic information of Global Security
02	Learning various aspects of Global Security Issues.
03	Understand and learn various ways in which nation states interact.
04	Understand the contemporary security environment in the world.

MIN-DEF-315 – Modern Warfare-I

Total Hrs-60

Credit-04

Course Objective : -

1. To Introduce students to the concept, Background, Causes, and Principles of war in Traditional and Modern Contexts.
2. To Develop understanding of cyber warfare, Including its features, tools, Role of AI, Information collection, and cyber weapons.
3. To Explain The Nature and components of Electronic warfare, Including its tools and Defence operations.
4. To create Awareness About Emerging Technologies In contemporary warfare systems.

Unit -I -Modern War

- a) Introduction
- b) Definition, Meaning and Concept
- c) Use of W M D in Warfare
- d) Changing Dimensions of War

Unit-II -Cyber War

- a) Introduction
- b) Cyber War-Feature and Truth Projection
- c) Hackers and Jammers
- d) Information Collection
- e) Role of Computer in Cyber Warfare
- f) Cyber warfare and Artificial Intelligence
- g) Use of Weapons in Cyber Warfare

Unit-III -Electronic War

- a) Background, Meaning
- b) Tools of Electronic Warfare
- c) Components of Electronic Warfare
- d) Defence operation in Electronic Warfare

Unit-IV -Hybrid War

- a) Meaning
- b) Hybrid war concept
- c) Tools of Hybrid Warfare
- d) Defensive Measures

References

- 1-A. P. Chaudhari, war science and strategic science, Diamond Publications (Nov. 2008) Pune.
- 2-Dr. Devendra Vispute, International Security Issues, Prashant Pblakeshans, Jalgaon.
- 3-Lekurwale Jayandra Dinkar, Yuddh, Atharva Publications, Jalgaon
- 4-A. P. Chaudhari Modern warfare (Jan. 1998) Nirali Prakashan, Pune
- 5-Khan J.A. Probing War and Warfare, APH Publication, New Delhi.
- 6-A. P. Chaudhari, Dr. Devendra Vispute, Archana Chaudhari, Conceptual Aspects of war

Course Outcomes -After completing this course, students will be able to:

Sr.no	Course Outcomes
01	Explain the causes and Principles of war and Analyze Their Relevance In Modern Global Conflicts.
02	Describe The concept and Mechanisms of cyber warfare Inclosing The Role of computers, AI, Hackers and Digital Weapons.
03	Identify Tools and components of Electronic warfare.
04	Critically Evaluate Modern warfare Strategic and Technological developments in the context of National and Global security.

VSC-DEF-316 Disaster Management and Security – I

Total Hrs-30

Credit-02

Course Objective –

1. To understand the concept of disaster and disaster management.
2. To Study the Structure, role and problems of disaster management in India.
3. To assess the India's disaster management mechanism.
4. To Focus on protecting people, property and the nation from natural & man-made threats.

Unit –I –Disaster

- a) Introduction
- b) Meaning and concept
- c) Types of Disaster
- d) Natural Disaster-Earthquakes, Floods, Tsunami, Cyclones
- e) Man-made Disaster-Terrorist Attacks, Industrial accident, Riots, fires.
- f) Consequences of Disaster in national security of India

Unit – II -Disaster Management in India

- a) Introduction
- b) Meaning
- c) Aims and Objectives
- d) National Disaster Management policy (Act-2005, 2009)
- e) P.M. – 10 Commands in Disaster management in India
- f) National Disaster management Authority (NDMA)
- g) State Disaster Management Authority (SDMA)
- h) District Disaster Authority (DDA)

References-

1. Malik Ashok, Causes of Climate Change, Rajat Publication New Delhi, 2015.
2. Panday Mahendra, Global Warming & Climate Change, Dominant Publishers & Distributors Pvt. Ltd., Delhi, 2014
3. Mahajan Hemant, Proxy War in J & k: A Winning Proxy War, Aanand Shidhaya, Rambhau Mhalgi Prbodhni, Mumbai, 29 March 2014.
4. B Mahajan Hemant, Indias Coastal Security, Challenges, Concerns, War Ahead, Madhavi Publication, Pune, 2017
5. Sylves Rechard, Disaster Policy & Politics: Emergency Management and Homeland Security, US,

2008.

6. Dave R. K., Disaster Management in India: Challenges and Strategies, Prowess Publishing, Feb. 2018.
7. Marathe P.P., Krutibadhh Aapati Vyavasthapan, Diamand Publication, Pune, 2010.
8. Bansal Rajiv, Aapada Prabhandhan, SBPD Publication, 2015
9. <https://www.ndma.gov.in> <https://www.undp.org./disastermanagemanetinindia>

Course Outcomes -After completing this course, students will be able to:

Sr.no	Course Outcomes
01	The student will understand the basic concepts of disaster and disaster management
02	The student will realize the classifications of disaster.
03	The students will come to kind the scope, nature and the mechanism of disaster and disaster management.
04	The students will understand about protection and preservation of the natural resources and human properties.

Semester-VI

DSC-DEF-321- Arms Control and Disarmament – II

Total Hrs-30

Credit-02

Course Objectives

To enable students to:

1. Gain an in-depth understanding of the concepts of arms control and disarmament.
2. Understand the nature of the arms race in international politics.
3. Become familiar with major international treaties and institutions related to arms control.
4. Understand India's role in promoting global peace.
5. Develop the ability to analyze contemporary security challenges.

Unit 1: Role of the United Nations

- a) UN Disarmament Commission
- b) Conference on Disarmament
- c) International Atomic Energy Agency

Unit 2: Disarmament –Major Disarmament Treaties

- a) Chemical Weapons Convention (CWC)
- b) Biological Weapons Convention (BWC)
- c) NPT , SALT – I & II
- d) CTBT , , START – I, & II
- e) Treaty on the Prohibition of Nuclear Weapons (TPNW)

References

1. Arms Control and Disarmament – B. J. C. McKercher
2. The Politics of Nuclear Weapons – Frank Barnaby
3. United Nations Office for Disarmament Affairs – Documents .
4. CWC, BWC & TPNW related documents and reports.
5. Documents and reports published by government of India.
6. United Nations and Global Security – Ramesh Thakur
7. The United Nations and Disarmament – Jozef Goldblat
8. UN General Assembly ँ Disarmament Commission- Annual report

Course Outcomes -After completing this course, students will be able to:

Sr.no	Course Outcomes
01	Students will understand the difference between total disarmament and partial disarmament.
02	Students will be able to analyze the significance of the Chemical Weapons Convention, Biological Weapons Convention, and the Treaty on the Prohibition of Nuclear Weapons.
03	Students will be able to evaluate the challenges, limitations, and political realities involved in disarmament.

DSC-DEF- A – 322: India's Defence Mechanism – II

Total Hrs-60

Credit-04

Objectives of the Course

1. To understand the historical background and evolution of India's defence mechanism.
2. To introduce the revised structure and functioning of defence organization and administration of Indian Armed Forces.
3. To apprise students of the country's defense production and military modernization.
4. To enable students to comprehend the changes in technology during warfare.

Unit-I: Central Armed Police Forces (CAPFs)

- a) Border Security Force (BSF)
- b) Central Reserve Police Force (CRPF)
- c) Assam Rifle.
- d) Indo-Tibetan Border Police (ITBP)
- e) Sashastra Seema Bal (SSB)
- f) Central Industrial Security Force (CISF)
- g) National Security Guard (NSG)

Unit-II: Defence Modernization and Indigenous Production

- a) Need for Defence Modernization and Challenges
- b) Defence Acquisition Procedure (DAP)
- c) Defence Research and Development Organisation (DRDO)
- d) Make in India' and 'Atmanirbhar Bharat'
- e) Role of the Private Sector and Start-ups

Unit-III: Border Management and External Threats

- a) India's Land and Maritime Borders
- b) Border Management Mechanisms
- c) Pakistan and China: Strategic Challenges
- d) Maritime Security in the Indian Ocean Region (IOR)
- e) Role of the Indian Coast Guard

Unit-IV: Emerging Domains of Defence

- a) Space Security and Militarization of Outer Space
- b) Hybrid Warfare
- c) Future Challenges before India's Defence System
- d) AI-Based Warfare System
- e) Autonomous Weapon Systems

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Course Outcomes -After completing this course, students will be able to:

Sr.no	Course Outcomes
01	The students will understand the basic concepts and structure of India's defence mechanism.
02	The objectives of the recent reforms in India's security system will come to their attention.
03	To provide students with information regarding emerging technologies in the field of defense.

DSC- DEF- 323- Science and Technology in Relation to Warfare –II

Total Hrs-60

Credit-04

Course Objectives:

1. To examine the mechanics of electronic and cyber warfare, including communication jamming, hacking, and information manipulation.
2. To assess the strategic application of Unmanned Aerial Vehicles (UAVs) and ground robotics in modern combat scenarios.
3. To evaluate the role of space-based assets (SATCOM, Reconnaissance) and anti-satellite (ASAT) technologies in global military strategy.
4. To analyse the historical use and modern dangers of chemical and biological agents, often termed the "Poor Man's Nuke"

Unit I: The Digital War

- a) Electronic Eyes & Ears.
- b) Cyber Warfare.
- c) Information War.

Unit II: War Without Humans

- a) Artificial Intelligence (AI).
- b) The Drone Revolution.
- c) Robotics on Ground.

Unit III: War in Space

- a) Militarization of Space.
- b) Space Weapon.
- c) Space Law.

Unit IV: Bio-Safety and Environmental Ethics

- a) Chemical & Biological Threats.
- b) Dual-Use Dilemma.
- c) Environmental Warfare.

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Course Outcomes -After completing this course, students will be able to:

Sr.no	Course Outcomes
01	Student will critically evaluate the "invisible" digital threats of the 21st century, including cyber attacks on national infrastructure and "Fake News".
02	Student will assess the ethical and tactical implications of autonomous combat systems operating without human frontline decision-makers.
03	Student will analyze conflicts fought in the space domain and navigate the international treaties that keep space distinct from earthly warfare
	Student will explain the profound impact of dual-use technologies on environmental ethics, bio-safety, and potential climate resource wars.

DSE – DEF – 324 (A) Military Psychology - II

Total Hrs-60

Credit-04

Course Objectives

1. To understand and appreciate psychological aspects of war making, military leadership, motivation and emotional issues that is faced by soldiers during war and peace.
2. Students of this subject will also learn the importance of leadership, discipline man, management, motivation and morale factors in a soldiers' life.
3. To create awareness about mental illnesses among soldiers and civilians in war-related situations.
4. Creating awareness about psychological testing and the mental health of soldiers through this Military Psychology Subject.
5. To emphasize the importance of maintaining mental health and morale.

Unit-I Discipline:

- a) Definition and Purpose
- b) Tools of maintaining discipline.
- c) Time Management & Goal Setting.
- d) Obedience, Self-Control and Teamwork.
- e) Methods of instilling military discipline.

Unit-II Motivation and Morale factors and their utilization in the armed forces.

- a) Role of Motivation and Morale.
- b) Recognition and Rewards
- c) Factors of Demotivation.
- d) Support of and to Families of Soldiers and Welfare and Support Systems.
- e) Symbolism and Tradition.

Unit-III Human, Management in Military Psychology:

- a) Concept and importance of Human Management.
- b) Soldier Behaviour Management.
- c) Psychological Support.
- d) Values.
- e) Ethics.

Unit-IV Emotional problems and adjustment during war and peace

- a) Emotional problems during wartime.
- b) Adjustment Strategies and Resilience.
- c) Counseling of Soldiers.
- d) Measures to solve the mental problems of soldiers.
- e) Combat Stress, Stress Management and Trauma.

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Course Outcomes -After completing this course, students will be able to:

Sr.no	Course Outcomes
01	For the students, who are studying Military Psychology subject acquire specialized skills to understand and manage behaviour of armed forces personnel in high-stress military environments.
02	It will enhanced leadership abilities, improved mental health support for armed forces personnel, better group cohesion, increased resilience and expertise in psychological operations among the students.
03	The students will gain knowledge including combat stress management, personnel selection, leadership development, ethical issues.
04	Through the study of this subject student will gain knowledge about soldier's anxiety disorders and substance abuse in military settings, combat stress management, mental health post-disaster and survival training. leadership, morale and will become skilled in their treatment.

DSE-DEF 324 (B) International Organizations – II

Total Hrs-60
Credit-04

Course Objectives :

1. To focus on International economic and regional organizations.
2. To understand the role of International Organizations in **various aspects like Peace making and building, disarmament and arms control.**

Unit-I International Economic Organization

- a) I.M.F.
- b) World Bank
- c) W.T.O.

Unit- II International Regional Organization

- a) EU
- b) ADB
- c) BRICS
- d) OPEC

Unit-III International Trade and Co-Operation Organization

- a) ASEAN
- b) SAARC
- c) SAFTA
- d) G20

Unit-IV Role of International Organization

- a) Peace Keeping and Peace Making
- b) Disarmament and Arms Control
- c) Challenges and Limitations
- d) Role of India

References –

1. The Millennium Thought, Challenges to Service – Balan K.
2. Politics Among Nations – Morgenthau Hans
3. United Nations, Blue Book Series (various volumes)
4. J.C. Johari, International Relations and Politics, Sterling Publishers, New Delhi 2005
5. Prem Arora, International Relations, Cosmos Bookhive, New Delhi 2010
6. K.P. Mishra & R.S. Beal, International Relations: Theory and Practice, Vikas Publishing House, New Delhi 2009
7. Clive Archer, International Organizations, Routledge, London 2001
8. S.D. Muni, SAARC: Prospects and Problems, Radiant Publishers, New Delhi 1993
9. Oliver Stuenkel, The BRICS and the Future of Global Order, Lexington Books, USA 2015
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Course Outcomes -After completing this course, students will be able to:

Sr.no	Course Outcomes
01	Development of analytical skills so as to be able to seek special focus on International economic and regional organizations.
02	Identify, design and apply potential policy solutions designed to resolve or mitigate real-world conflicts.
03	Focus on Peace-making through various operation and conflict resolution.

DSE - DEF- 324 (C) Global Security Issues II

Total Hrs-60

Credit-04

Course Objective-

1. To create understanding the challenges to Global Security and World Peace among the students.
2. To Study the Global Strategic and Security Issues.
3. To analyze and evaluate the Global Security Issues.

Unit-I- Religious Fundamentalism and Global Security

- a) Meaning and concept
- b) Religious Fundamentalism
- c) Ideological conflict and few conflicts zone

I) Afghanistan II) Syria III) Iran IV) Israel

Unit-II Nuclear Polices a Challenges to Global Security

a) Nuclear Doctrine

I)USA II) Russia III)China IV) India V) Pakistan

b) Solution of word Peace and Security

Unit-III. Economic Conflicts

- a) Meaning and concept
- b) Causes of Economic Conflict
- c) Trade rivalry between Developed and Developing countries
- d) Problem of Developing countries.

Unit-IV Human Security Issues.

- a) Meaning and concept
 - b) Importance of Human Security
 - c) Dimensions of Human Security
- I. Economic Security
 - II. Food security
 - III. Health Security
 - IV. Environment Security
 - V. Personal Security
 - VI. Community Security
 - VII. Political Security

References:

1. Booth , Ken (2007), Theory of World Security, Cambridge University press , Cambridge.
2. Hough Petter, Malik Shahin, International Security Studies: Theory and Practice, Routledge Publisher, New Delhi
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13. Vispute D.J.,Todkar B.D., Dharmadhikari Madhuri., Jagtik Suraksha (Marathi) Prashant Publication, Jalgaon,2015
14. SIPRI , Year Book, Latest Edition.
15. AI and Emerging Technologies, UNESCO.

Course Outcomes -After completing this course, students will be able to:

Sr.no	Course Outcomes
01	Understand the basic information of Global Security.
02	Learning various aspects of Global Security Issues.
03	Understand and learn various ways in which nation states interact
04	Understand the contemporary security environment in the world.

MIN-DEF-325 – TERRORISM

Total Hrs-30
Credit-02

Course Objective -

1. To Understand The meaning, Nature and Scope of Terrorism
2. To Identify Various Causes and Types of Terrorism.
3. To Analyze The Effects of Terrorism on society, Economy and National Security.
4. To Study measures and strategies to Prevent and control terrorism.

Unit -I –Terrorism

- a) Introduction
- b) Meaning, Definition and Scope
- c) Types of Terrorism

Unit-II –Causes, Effects and Measures

- a) Causes of Terrorism
- b) Effects of Terrorism
- c) Measures to Control Terrorism

References :-

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3. Dr. Devendra Vispute, Dr. Kavita Dharmadhikari, Dr. Arun Valvi, India's
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6. Dr. Lalanji Shinh, Rashtriya Raksha Aur Surksha, Prakash Buk Dipo, Bareli.

Course Outcomes -After completing this course, students will be able to:

Sr.no	Course Outcomes
01	Explain the basic concepts and forms of Terrorism
02	Describe the major causes and Result of Terrorism.
03	Understand Legal, Administrative and security Responses to Terrorism.
04	Develop Awareness About peace, Security, and Responsible Citizenship.

VSC-DEF-326 Disaster Management and Security – II

Total Hrs-60

Credit-04

Course Objective –

1. To understand the concept of disaster and disaster management.
2. To Study the Structure, role and problems of disaster management in India.
3. To assess the India's disaster management mechanism.
4. To Focus on protecting people, property and the nation from natural & man-made threats.

Unit –I-Disaster Response Forces – N.D.R.F.

- a) Introduction and brief History
- b) Structure and Headquarters
- c) Role in relief work
- d) Evolutions

Unit – II -Disaster Response forces – S.D.R.E.

- a) Introduction
- b) Structure and Headquarters
- c) Role in relief work
- d) Social Support

Unit – III -Role of Indian Armed forces in Disaster Management

- a) Introduction
- b) Structure
- c) Role in relief work
- d) Some Major operations

Unit – IV-Major Disasters in India

- a) Earthquake - Bhuj, Killari
- b) Tsunami in India
- c) Industrial Disasters in India – Bhopal Gas, Tragedy and Other Issues

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9. Bansal Rajiv, Aapada Prabhandhan, SBPD Publication, 2015
10. <https://www.ndma.gov.in>
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Course Outcomes -After completing this course, students will be able to:

Sr.no	Course Outcomes
01	The student will understand the basic concepts of disaster and disaster management
02	The student will realize the classifications of disaster
03	The students will come to kind the scope, nature and the mechanism of disaster and disaster management.
04	The students will understand about protection and preservation of the natural resources and human properties.