VIDYASAGAR UNIVERSITY

Midnapore, West Bengal

PROPOSED CURRICULUM & SYLLABUS (DRAFT) OF

BACHELOR OF ARTS WITH DEFENCE STUDIES

(MULTIDISCIPLINARY STUDIES)

3-YEAR UNDERGRADUATE PROGRAMME

(w.e.f. Academic Year 2023-2024)

Based on

Curriculum & Credit Framework for Undergraduate Programmes

(CCFUP), 2023 & NEP, 2020

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VIDYASAGAR UNIVERSITY
BACHELOR OF ARTS IN HUMANITIES with DEFENCE STUDIES
(*Under CCFUP, 2023*)

Level	YR.	SEM	Course Type	Course Code	Course Title	Credit	L-T-P	Marks		
								CA	ESE	TOTAL
B.A. in Humanities with Defence Studies	3rd	V	**SEMESTER-V**							
			Major-A4	**DFSPMJ04**	**T:** Weapons, Armaments, Arms control & Disarmament; **P:** Practical ***(To be studied by students taken Defence Studies as Discipline- A)***	**4**	**3-0-1**	**15**	**60**	**75**
			Major-A5	**DFSPMJ05**	**T:** International Terrorism ***(To be studied by students taken Defence Studies as Discipline- A)***	**4**	**3-0-1**	**15**	**60**	**75**
			Major-A6	**DFSPMJ06**	**T:** Contemporary Issues to India's National Security ***(To be studied by students taken Defence Studies as Discipline- A)***	**4**	**3-0-1**	**15**	**60**	**75**
			Major (Elective) -2	**DFSMJE02**	Science & Technology for Defence and National Security **OR** Fundamentals of Peace ***(To be studied by students taken Defence Studies as Discipline- A)***	**4**	**3-1-0 / 0-0-4**	**15**	**60**	**75**
			Minor-5 (Disc.-C5)	**DFSMIN05**	**T:** International Terrorism ***(To be studied by students taken Defence Studies as Discipline- C)***	**4**	**3-1-0**	**15**	**60**	**75**
			Semester-V Total			**20**				**375**
		VI	**SEMESTER-VI**							
			Major-B4		***To be decided*** ***(Same as Major–A4 for Defence Studies taken as Discipline-B)***	**4**	**3-1-0**	**15**	**60**	**75**
			Major-B5		***To be decided*** ***(Same as Major–A5 for Defence Studies. taken as Discipline-B)***	**4**	**3-1-0**	**15**	**60**	**75**
			Major-B6		***To be decided*** ***(Same as Major–A6 for Defence Studies. taken as Discipline-B)***	**4**	**3-1-0**	**15**	**60**	**75**
			Major (Elective) -3	**DFSMJE03**	Non Traditional Security Threats **OR** International Relations ***(To be studied by students taken Defence Studies as Discipline- A)***	**4**	**3-1-0 / 3-0-1**	**15**	**60**	**75**
			Minor -6 (Disc.-C6)	**DFSMIN06**	**T:** India and Her Neighbouring Countries ***(To be studied by students taken Defence Studies as Discipline- C)***	**4**	**3-1-0**	**15**	**60**	**75**
			Semester-VI Total			**20**				**375**
			TOTAL of YEAR-3			**40**	**-**	**-**	**-**	**700**
			Eligible to be awarded Bachelor of Arts in Multidisciplinary Studies with Defence Studies *on Exit*			**126**	**Marks (Year: I+II+III)**			**2325**

MJP = Major Programme (Multidisciplinary), MI = Minor, A/B = Choice of Major Discipline; C= Choice of Minor Discipline; CA= Continuous Assessment, ESE= End Semester Examination, T = Theory, P= Practical, L-T-P = Lecture-Tutorial-Practical

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MAJOR (MJ)

Major A4/B4: Weapons, Armaments, Arms control & Disarmament Credits 04 (Full Marks: 75)

Major A4/B4T: Weapons, Armaments, Arms control & Disarmament Credits 03 (Lectures: 45)

Course contents:

A. Weapons and Armaments:

1. **Evolution of arms and armaments** in art of war.

2. **Modern weapons** –
   a. Assault Rifles – INSAS, AK-47, AK-103
   b. Sniper Rifles- Vidhwansak, Barrett m95
   c. Machine Guns- INSAS, LMG
   d. Artillery- Bofors 155mm Howitzer, M777 Howitzer, Dhanush Artillery gun
   e. Missile- Brahmos, Nag, Akash, Prithvi
   f. UAVs- Searcher MK11, Heron, Nishant, Netra, skylark
   g. Aircraft-HAL Dhruv, Mi-17, CH-47 Chinok
   h. Tank- Arjun, T-90S Bhishma

3. **Weapon Carriers:** Characteristics, mechanisms of operation, fire power and military importance of following: Land war weapon carrier, Naval war weapon carrier, Air war weapon carrier, Strategic transport aircraft, Tactile transport aircraft. Military Glider, Military Helicopter Fighter airplane, Bomber, Fighter-Bomber Airplane.

4. **Weapons of Mass Destruction -** Chemical & Biological Weapons: concept, characteristics and, uses. Nuclear weapons: Nuclear Command Authority in India. Strategic forces command, Indian land based nuclear armed ballistic missile, Indian Sea based nuclear armed ballistic missiles, Nuclear armed cruise missiles. Air Defense: Brief idea.

B. Arms control and Disarmament

1. Introduction; Definition of arms control, Arms limitations, Arms reduction and Arms trade; Differences between Arms control, Arms limitations, Arms reduction and Arms trade; Nature and Scope of arms control and Disarmament; Efforts towards Disarmament from Treaty of Westphalia to World War – II

2. UN and Disarmament: Efforts towards the formation of the UNO. UN's Perception on Disarmament and Arms control. Major efforts till the Disarmament decade. Causes and failures. Disarmament Efforts – Success story.

3. Disarmament efforts by other Bodies- a. NAM b. Nuclear Free Zones c. Efforts of India

Major A4/B4P: Weapons, Armaments, Arms control & Disarmament (Practical) Credits 01 (30 hrs.)

A. Weapons Systems

1. Demonstrate following arms small arms: 0.22 Rifles. 0.303 Rifle, 7.62 Self Loading Rifles(SLR), Indian Small Arms System (INSAS) 5.56 mm Rifle, Light Machine Gun (LMG), Sten Machine Carbine. Modern

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Submachine Carbine (MSMC), Pistol & Revolvers. No 36 HE Grenade, 2 inch Morter. Artillery Gun, Air Defense Gun, Indian Field gun 105 mm., Multiple Rocket Launchers.
Students will be required to draw Labeled sketch and explain the important stages of mechanism of the above weapons.

2. Students will be required to draw sectional diagrams showing the parts connected with the mechanisms of movements and firing of the following armaments: Tanks, Air craft - Fighters, Bombers, Transport, Helicopters. Naval Ships - Frigates, Destroyers, Submarine and Torpedo.
3. Project Report: Preparation of Project Report out of the data collected from field visit t to different defense establishment and geo-strategic areas of importance.

Suggested Readings:

1. A Cooper, D. (2021). Arms Control for the Third Nuclear Age. Georgetown University Press.
2. Abbasi, R. (2021). Building a Road to Nuclear Disarmament (1st edition). Routledge.
3. Badri Maharaj, S. (2019). Indian Nuclear Strategy. Routledge.
4. E. Williams, R., & R. Viotti, P. (2012). Arms Control: History, Theory and Policy. ABC-CLIO Publications.
5. Irmgard, N. (2020). Nuclear Non-Proliferation and Arms Control Verification. Springer Nature.
6. Rotfeld, A. D. (2000). Arms control and disarmament: SIPRI's new conceptual approach | United Nations iLibrary. United Nations ILibrary. https://www.unilibrary.org/content/books/9789210581424c002
7. S.P, C. (1994). Nuclear Proliferation in South Asia: The Prospects for Arms Control. New Delhi: Lancer
8. Sethi, M. (2009). Nuclear Strategy: India's March towards Credible Deterrence. New Delhi: KW Publishers
9. Steen, B. N. V., & Njølstad, O. (2019). Nuclear Disarmament. Routledge.
10. Street, T. (2021). The Politics of Nuclear Disarmament. Routledge.

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Major A5/B5: International Terrorism **Credits 04 (FM: 75)**

Major A5/B5T: International Terrorism **Credits 03 (45Hrs.)**

Course contents:

Unit I: Terrorism, Meaning, Concept, Philosophy and Historical Perspective

Unit II: Causes of Terrorism: Social, Economic, Political and Religious

Unit III: International Terrorism, State Terrorism and State-sponsored Terrorism Context

Unit IV: Terrorism and National Security, Strategy for fighting against Terrorism

Major A5/B5P: International Terrorism **Credits 01 (30Hrs.)**

Practical:

1. Paper Clippings on Security related Issues and a Case Study Report thereon
2. Field Visit: Field Visit to a Place/Unit having importance on National Security and Strategic Defence
3. Laboratory Note Book: Sand Model on Human Security/ Illegal Migration/Organised Crime
4. Educational Tours and Its Reports

Suggested Readings:

1. Brass, Paul R., (1991): Ethnicity and Nationalism, New Delhi, Sage Publications.
2. Combs, Cindy C., (1997): Terrorism in the Twenty-first Century, New Jersy, Prentice Hall.
3. Kartha, Tara (1999): Tools and Terror: Light Weapons and India's Security, New Delhi, Knowledge World and ISDA
4. Lequer, Walter (1999): The New Terrorism, Oxford, Oxford University Press
5. Sondhi M L.(ed), (1999): Terrorism and Political Violence-A Source Book, New Delhi
6. Wardlaw, Grant(1982): Political Terrorism, Cambridge

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Major A6/B6: Contemporary Issues to India's National Security **Credits 04 (Full Marks: 75)**

Major A6/B6T: Contemporary Issues to India's National Security **Credits 04 (Lectures: 60)**

Course contents:

Unit -1: National Security

i) Meaning

ii) Definition

iii) Concept

iv) Nature & Scope

Unit -2: Challenges to Indian Armed Forces

i) Aspects of India's National Security Problems

ii) Various types of challenges and its application to Indian Armed Forces iii) Role of awareness about the role of Indian Armed Forces

Unit- 3: Contemporary Issues – case studies

i) Kashmir Issue

ii) McMahon Line

iii) Terrorism

iv) Indian Ocean

v) Naxalism

vi) Siyachin

vii) Tamil Problem.

Major A6/B6 P: Practical **Credits 01**

Project Work:

i) Project submission related to contemporary issues.

ii) Interview with Indian Armed Forces Serviceman/Ex-Serviceman

Suggested Readings:

1. Indian Army – E.H.E. Choen.
2. Ministry of Defence – Annual Reports
3. Organisation and Administration in the Indian Army – Brigadier Rajendra Singh.

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MAJOR ELECTIVE

(To be studied by students taken Defence Studies as Discipline- A)

Major Elective (MJE)-02:

(Science & Technology for Defence & National Security OR National Security)

MJE-02T: Science & Technology for Defence and National Security Credits 04 (Full Marks: 75)

Course Content:

A. Science, technology for Defence and National Security

1. Military Technology - Introduction to Military Technology - its relevance to National Security.

2. Warfare and Technology: Introduction, concept, historical evolution of warfare, evolution of science & technology, synergy of warfare and science & technology.

3. Science & technology and its Scope : (a) S&T – applications - Military, Non-military, and Dual usage. (b) Industrial revolution & new technologies- IC- Engine, Radio, Electricity, (c) Emerging Technologies- Introduction to emerging technologies - Energy, Electronics, Computers, nanotech and Artificial Intelligence, Material Science, Biotechnology, Transportation and vehicle technology, Nuclear science, Oceanography, Space technology. Emerging technologies & warfare - (a) Information Technology and communication warfare. (b) Robotics and Cyber war. (c) R M A - revolution in military affairs.

4. Application of technologies to: i. Armament and Weapon systems - Weapons Technology & Warfare - (a) Weapons of Land Warfare- types of arms and armaments & artillery. (b) Naval Weapons- types of ships, aircraft carrier, submarines, torpedeo. (c) Aerial War Weapons- types of aircrafts, missiles, satellites, radars. ii. Missile Technology. iii. Communications and Radar technology, iv. Electronic Warfare and Information Warfare. **v.** RNBC Warfare and Nuclear Energy, vi. Intelligence, vii. Logistics (transport, supplies, inventory, medical, repair, clothing and equipment), viii. Border Management.

5. Impact of developing technologies on Military Doctrine and conduct of warfare.

6. Application of new technologies for internal security, disaster management, training and administration.

7. Non-military use of modern technologies and their impact on National Security (Power and energy, Trade, Economy, Banking, Media etc).

8. Weapons Technology and India- (a) Pioneering institutions and its contributions. (b) S & T policy of India. (c) D R D O - its role in weapons development.

Recommended Readings:-

1. Military Technology and Equipment Technology – Elexander J.
2. Military Transformation and Modern warfare – Sloan E.
3. Military war and Rescue Techniques – Anil K.C.
4. Military war and Rescue Techniques – Dixit A. K.
5. Successful Technology Armed Forces and the Society – Prasad R.

OR

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Major Elective (MJE)-02T: Fundamentals of Peace **Credits 04 (Full Marks: 75)**

Course Contents:

Unit -I: Introduction to Peace

a) Concept of peace - meaning and definition, typology of peace.
b) Approaches to peace – Disarmament, International Law.
c) Peace movement: Anti-nuclear Movements – CND etc,
d) Zones of peace and nuclear free zones.

Unit -II: Mechanics of Peace

a) Settlement of international disputes [Amicable].
b) Peace keeping, Peace keeping Operations.
c) Peace Building, Peace Making and Peace Research.
d) Role and function of International organizations – League of Nations, UNO.
e) Amicable means to settle Inter-state conflicts.

Unit -III: Diplomacy

a) Diplomacy - Scope & Function. Type of diplomacy – its features.

Suggested Readings:

a) Gandhi, M.K., (1959) An Autobiography of The story of my experiments with Truth, Ahmadabad: Navajivan Trust.
b) Hicks, David, (1988), Education for Peace New York : Routlege
c) Barash. P.David (2000). Approaches to peace, Oxford University Press, New York.
d) NCERT National curriculum Framework (2005), position paper, National Focus Group on Education for peace, NCERT, New Delhi (2006).
e) Timpson, William M. (2002) Teaching and Learning peace. Madision, Wisconsin: Atwood Publishing

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Major Elective (MJE)-03:

(Non-Traditional Security Threats OR International Relations)

Major Elective -3T: Non-Traditional Security Threats **Credits 04 (FM: 75)**

MJE-03T: Non Traditional Security Threats **Credits 03**

Course contents:

Unit I: Human Security; Definition, Meaning, Concept, Threats & Challenges in the Indian context

Unit II: Environment Security: Definition, Meaning, Concept and Contemporary Issues in the Indian context

Unit III: Illegal Migration: Definition, Meaning, Concept and Contemporary Issues in the Indian context

Unit IV: Organised Crimes: Definition, Meaning, Concept, Recent Trend in the Indian Context

MJE-03 P: Practical **Credits 01**

Course contents:

1. Paper Clippings on Security related Issues and a Case Study Report thereon.
2. Field Visit: Field Visit to a Place/Unit having importance on National Security and/or Strategic Defence.
3. Laboratory Note Book: Sand Model on Human Security/ Illegal Migration/Organised Crime.

Suggested Readings:

1. Joakim Palme, Kristof Tamas (2006): Globalizing Migration Regime: New Challenges to Transnational Cooperation
2. Moufida Goucha, John Crowley (2008): Rethinking Human Security
3. Shahrbanou Tadjbakhsh, Anuradha M. Chenoy (2007): Human Security: Concepts and Implications, Rutledge Advances and International Relations and Global Politics
4. Richard A Matthew and John Barnett Bryan Macdonald and Karen L. O'Brien (2010): Global Environmental Change and Human Security
5. Kimberley L. Thachuk (2007): Transitional Threats; Smuggling and Trafficking in Arms, Drugs and Human Life
6. Lal Marie (2008): The Geopolitics of Energy in South Asia, Institute of Southeast Asian Studies, Singapore
7. Leena (2000): Energy Infrastructure; Priorities, Constraints and Strategies for India, Oxford

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Major Elective -3T: International Relations **Credits 04 (FM: 75)**

MJE-03 T: International Relations **Credits 03**

Course contents:

Unit I: Introduction to the Understanding of International Relations, Theories and Approaches

Unit II: Diplomacy and Foreign Policy: Theoretical Background, Contemporary Issues in Indian Context

Unit III: International Relation of India with its Neighbouring Countries (Pakistan, Bangladesh, Nepal, Sri Lanka, Bhutan and China)

Unit IV: End of Cold War and Emergence of New World Order (after 9/11/2001)

MJE-03 P: Practical **Credits 01**

Course contents:

1. Strategic Maps of India: India and her Neighbouring Countries; India and Indian States and Union Territories with Capital, Strategic Raw Materials, Defence Industries and Atomic Reactors
2. Short Presentation/ Lecture
3. Records
4. VIVA VOCE

Suggested Readings

1. Aron, Raymond (2003) Peace and War: A Theory of International Relations, Transaction Publishers
2. Couloumbis, T. A and Wolfe, W. H. (1986): International Relations: Power and Justice, Prentice Hall, New Jersey
3. Kumar Mahendra (2017): Theoretical Aspects of International Politics, Shivlal Agarwala and Co , New Delhi.
4. Frenkel Joseph (1968): Making of Foreign Policy: An Analysis of Decision Making, Oxford University Press, London
5. Calvocoressi, Peter (2008): World Politics Since 1945, 9th Edition, Longman

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MINOR (MI)

(To be studied by students taken Defence Studies as Discipline- C)

MI-5/C5: International Terrorism **Credits 04 Full Marks: 75**

MI-5/C5T: International Terrorism **Credits 03 (45Hrs.)**

Course contents:

Unit I: Terrorism, Meaning, Concept, Philosophy and Historical Perspective

Unit II: Causes of Terrorism: Social, Economic, Political and Religious

Unit III: International Terrorism, State Terrorism and State-sponsored Terrorism Context

Unit IV: Terrorism and National Security, Strategy for fighting against Terrorism

MI-5/C5P: International Terrorism **Credits 01 (30Hrs.)**

Practical:

1. Paper Clippings on Security related Issues and a Case Study Report thereon
2. Field Visit: Field Visit to a Place/Unit having importance on National Security and Strategic Defence
3. Laboratory Note Book: Sand Model on Human Security/ Illegal Migration/Organised Crime
4. Educational Tours and Its Reports

Suggested Readings:

1. Brass, Paul R., (1991): Ethnicity and Nationalism, New Delhi, Sage Publications.
2. Combs, Cindy C., (1997): Terrorism in the Twenty-first Century, New Jersy, Prentice Hall.
3. Kartha, Tara (1999): Tools and Terror: Light Weapons and India's Security, New Delhi, Knowledge World and ISDA
4. Lequer, Walter (1999): The New Terrorism, Oxford, Oxford University Press
5. Sondhi M L.(ed), (1999): Terrorism and Political Violence-A Source Book, New Delhi
6. Wardlaw, Grant(1982): Political Terrorism, Cambridge

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MI-6/C6: India and Her Neighbouring Countries **Credits 04 Full Marks: 75**

MI-6/C6T: India and Her Neighbouring Countries **Credits 04**

Course contents:

Unit I: India and her Neighbouring Countries
Study of Geo-Strategic Factors Relating to Pakistan, China, Bangladesh, Nepal, Bhutan, Myanmar, Maldives, and Sri Lanka

Unit II: **Emergence of Pakistan as an Independent State**
Pakistan's foreign and Defence Policies to India; Recent Trends of Bilateral Relations between Bangladesh and India

Unit III: Emergence of China and Global Power Policies
Political System in China, Ethnic Composition of China; Recent Trends of Bilateral Relations between China

Unit IV: Emergence of Bangladesh as an Independent State
Strategic Relations of India with Bangladesh; Recent Trends of Bilateral Relations between Bangladesh

Unit V: Strategic Relations of India
Strategic Relations of India with Nepal, Bhutan, Myanmar, Maldives and Sri Lanka; The issue of Immigration and Infiltration.

MI-6/C6P: Practical **Credits 01**

Course contents:

1. Strategic Maps of India and her Neighbours with identification of and Special emphasis on Strategic Geographical locations, boundaries, Cities, Transport and Communication, Strategic Raw Materials, Defence Industries and Atomic Reactors, National Anthem, Symbol, Flower, Language, Culture and Customs.
2. Short Presentation/ Lecture
3. Records
4. Viva Voce

Suggested Readings

1. U. S. Bajpai: India and Its Neighbours
2. C. P. Bhambri: Foreign Policy of India
3. A. Shah: Indian Defence and Foreign Politics
4. Cohen, Stephen Philip: The Idea of Pakistan
5. Veena, Kukreja: Contemporary Pakistan, Political Processes, Conflict and Cases
6. Iftikar H. Malik; Culture and Customs of Pakistan

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