

Govt. Nagarjuna P.G. College of Science, Raipur (C.G.)



CURRICULUM & SYLLABI (Based on CBCS & LOCF)

M.Sc. I SEMESTER

PROGRAMME STRUCTURE

Course Nature	Course Code	Course Title	Course Type (T/P)	Hrs/ Week	Credits	Marks		
						CIA	ESE	Total
Core	DS-101	Key Concepts of Defence Studies	T	6	4	30	70	100
Core	DS-102	Evolution of Strategic Thoughts	T	6	4	30	70	100
Core	DS-103	National Security of India	T	6	4	30	70	100
Core	DS-104	Indian Art of War	T	6	4	30	70	100
Core	DS-105	Basics of Military Map Reading - I	P	6	2	30	70	100
Core	DS-106	Practical Studies in Defence Affairs	P	6	2	30	70	100
Qualify	DSIKS	Bhartiya Yuddha Shastra	T	2	2	30	70	100

Applicable for admission from A.Y. 2026-27 onwards

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M. Sc. I Semester

Session: July-December 2026

Course/Paper - I (Code: DS-101)

Course Title: Key Concepts of Defence Studies

Detailed Syllabus/Curriculum:

Unit	Topics	No. of Lectures	CO No.
I	• Concept of the Nation and Nationalism • State and Nation-State – Theories and Elements of State • National Security, National Defence and National Interest • National Power and its Components	15	1
II	• Balance of Power – Concept, Development and Relevance • Collective Security – Concept, Development and Relevance • Non-Align movement – Concept, Development and Relevance • Balance of Terror – Concept, Development and Relevance	15	2
III	• Defence Policy of India – Concept, Formulation & Objectives • Foreign Policy of India – Concept, Formulation & Objectives • Domestic Policy of India– Concept, Formulation & Objectives	15	3
IV	• Concepts of Realism – Basic Assumption and Approaches • Concepts of Liberalism – Basic Assumption and Approaches • Critical Theory – Basic Assumption and Approaches	15	4

Websites/Government Reports:

1. Annual Reports of Ministry of Defence, Government of India.
2. Annual Reports of Ministry of Home Affairs, Government of India.
3. Press Information Bureau, Government of India.
4. Kargil Review Committee Reports on National Security.
5. Official Website of Ministry of Defence, Government of India.
6. Official Website of Ministry of Home Affairs, Government of India.
7. Official Website of Non-Alignment movement.

Reference Books:

1. Bajpai, K. Basit, S. and Krishnappa, V. (eds.) India's Grand Strategy History, Theory, Cases, New Delhi: Routledge Taylor and Francis Group, 2014.
2. Buzan, Barry; Hansen, Lene (2012), The Evolution of International Security Studies, Cambridge: Cambridge University Press.
3. Ken Booth, Theory of World Security, Cambridge Studies in International Relations, New York: Cambridge University Press, 2007.
4. Mohammed Ayoob, Third World Security Predicament: State Making, Regional Conflict and the International System, London: Lynne Rienner, 1995.
5. Raghavan, S. War and Peace in Modern India A strategic History of the Nehru Year
6. Cavelty, Myriam and Balzacq, Thierry (Eds) Routledge Handbook of Security Studies, Second Edition, Routledge, 2017.
7. Barry Buzan – People, States and Fear.

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M. Sc. I Semester
Session: July-December 2026
Course/Paper - II (Code: DS-102)
Course Title: Evolution of Strategic Thoughts

Detailed Syllabus/Curriculum:

Unit	Topics	No. of Lectures	CO No.
I	• Kautilya's Philosophy of war. • Sun Tzu - The Art of war. • Machiavelli's Views on the Art of war • Frederick the Great Views on National War.	15	1
II	• Clausewitz's Theories on War, Strategy and Tactics • Jomini's Theories of Strategy, Tactics and Logistics • J.F.C. Fuller Views on Warfare • B. H. Liddell Hart Views on War and Peace	15	2
III	• Admiral Alfred Thayer Mahan Sea Power Theory • Halford Mackinder Heartland Theory • Giulio Douhet Air Power Theory • Adolf Hitler Views on Warfare	15	3
IV	• Mahatma Gandhi Methods of Peace and Non-Violence • Mao Tse Tung Strategy of Guerilla Warfare • K. Subrahmanyam Views on Nuclear Debate and Deterrence	15	4

Books Recommended:

1. Shama Shastri (1905), Kautilya's Arthshastra
2. Sun Tzu (1963), The Art of War
3. Mao Tse Tung (1961), Guerrilla Warfare
4. J.F.C. Fuller (1971) Armament and History
5. Clausewitz On War (1976) and Principles of War (2003)

Reference Books:

1. E. M. Earle (1943), Makers of Modern Strategy: From Machiavelli to Nuclear Age, Princeton: Princeton University Press.
2. Shekhar Adhikari (2004), Modern Strategic Thought: Machiavelli to Nuclear Warfare, New Delhi: Kilaso Books.
3. Martin Van Creveld (2000), The Art of War & Military Thought, London: Cassell & Co., Wellington House.
4. Military Thinkers (Prakash Book depot, Bara Bazar, Bareilly 243003 in Hindi) – Lallanji Singh
5. Strategic Thinkers – Dr. Babu Ram Pandey and Dr. Ram Surat Pandey

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M. Sc. I Semester
Session: July-December 2026
Course/Paper - III (Code: DS-103)
Course Title: National Security of India

Detailed Syllabus/Curriculum:

Unit	Topics	No. of Lectures	CO No.
I	- National Security Concept, Definition and Theories - Evolution of the National Security Concept in India - India's National Security Environment - India's National Security Structure (Internal and External)	15	1
II	- Higher Defence Organisation of India - Higher Decision-Making Structure on National Security - Role and Mandate of Cabinet Committee on Security - National Security Council of India	15	2
III	- Indo-Pakistan relations and National Security - Sino-India relations and National Security - India's Internal Conflict and National Security	15	3
IV	- Nuclear Weapons and National Security - Emerging Trends in National Security Concern in India - Non-Traditional Dimensions of Security Concern in India - Role of Media & Impact of Public Opinion on National Security Issues.	15	4

Websites/Government Reports:

1. Annual Reports of Ministry of Defence, Government of India.
2. Annual Reports of Ministry of Home Affairs, Government of India.
3. Press Information Bureau, Government of India.
4. Kargil Review Committee Reports on National Security.
5. Lok Sabha and Rajya Sabha Star and Unstar Questions on National Security.
6. Official Website of Ministry of Defence, Government of India.
7. Official Website of Ministry of Home Affairs, Government of India.

Reference Books:

1. Bajpai, Kanti (Ed.), India's National Security: A Reader, India: Oxford University Press.
2. Baldwin, David, "The Concept of Security", Review of International Studies, 23, 1997, pp.5-26
3. Gautam Sen, India's Security Considerations in Nuclear Age, (New Delhi, Atlantic, 1986)
4. K. Subramanyam, Our National Security, (New Delhi, Economic and Scientific Research Foundation, Federation House, 1972)
5. Srinath Raghavan (2013), War and Peace in Modern India, Orient Black swan, New Delhi.
6. V P Malik (2013), India's Military Diplomacy, Harper Collin Publication, New Delhi.
7. Donald M Snow, National Security for the New Era, (New York, Pearson Education Inc. 2014).
8. Thomas Raju & Amit Gupta, India's Nuclear Security, (New Delhi, Sage/Vister, 2000).
9. P. N. Kathpalia, National Security Perspectives, (New Delhi, Lancer International, 1986)
10. Rajendra Prasad, India's Security in 21st Century, (New Delhi, Dominant, 2001)

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M. Sc. I Semester
Session: July-December 2026
Course/Paper - IV (Code: DS-104)
Course Title: Indian Art of War

Detailed Syllabus/Curriculum:

Unit	Topics	No. of Lectures	CO No.
I	• Military System of Vedic and Epic Age (1500-600 BC) • Battle of Hydaspes (326 BC) • Kautilya's Arthshastra and Mauryan Military Systems • Rajput Military Systems (Battle of Somnath 1025 AD and Battle of Tarrain-1191&1192 AD)	15	1
II	• Mughal Invasion (Battle of Panipat-1526 & Haldi Ghati 1576) • Chola Empire and Maritime Strategy • Maratha Military System (Shivaji's Guerrilla's Warfare), Third Battle of Panipat-1764 AD & Battle of Assai 1806 A.D. • Anglo-Sikh war (Battle of Sobaron 1846 A.D.)	15	2
III	• Battle of Plassey (1757) and Buxar War (1764) • Tipu Sultan and the Anglo-Mysore War • Indian Army under British crown - Reorganization of the army between 1857-1914.	15	3
IV	• 1947-48 Kashmir War • 1962 Sino-Indian War • 1965 & 1971 Indo-Pak Wars • 1999 Kargil Conflict	15	4

Books Recommended:

1. J.N. Sarkar, Military History of India.
2. Shama Shastri, Kautilya's Arthshastra.
3. B.N. Majumdar, Study of Indian Military History.
4. Ministry of Defence, Military History Division, Government of India.

Reference Books:

- 1) Majumdar, B.N. (1963), Study of Indian Military History. Army Educational Store, Delhi.
- 2) Thapliyal, Uma Prasad (2018), Military History of India, Rupa Publication, New Delhi.
- 3) Arjun Subramaniam (2016), India's Wars: A Military History, 1947-1971, Harper Collins.
- 4) Srinath Raghavan (2013), War and Peace in Modern India, Orient Black swan, New Delhi.
- 5) V P Malik (2013), India's Military Diplomacy, Harper Collin Publication, New Delhi.
- 6) Car H.C (1980), Military History of India, Firma KLM Pvt. Ltd., Calcutta.
- 7) Surinder Kumar Bhakari, Indian Warfare: An Appraisal of Strategy And Tactics Of War In Early Medieval Period, South Asia Books, 1981.
- 8) Roy, Kaushik, From Hydaspes to Kargil: A History of Warfare in India from 326 BC to AD 1999, Manohar, New Delhi, 2004.
- 9) Roberts P. E., History of British India, Oxford University Press, 1952.

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Session: July-December 2026
M.Sc. (Defence Studies) Semester - I (Lab Course - A)

Program	Subject	Year	Semester
M.Sc.	Defence Studies	I	I
Course Code	Course Title		Course Type
DS-105	Basics of Military Map Reading - I		Core
Credit	Hours Per Week (L-T-P)		
	L	T	P
02	2	-	4
Maximum Marks	CIA		ESE
100	30		70

Detailed Syllabus/Curriculum:

Topics	No. of Lectures
- Scale and Their Transformation - Enlargement and Reduction of Maps - Representation of Relief and Section Drawing - Map Projection: Special emphasis to given to the following – a. Conical Projections (with one or two standard parallels) b. Bonne's Polyconic Projection c. Mercator Projection d. Zenithal Equidistant Projection e. Zenithal Equal Area Projection - Study and interpretation of topographical and weather maps with special reference to India - Sessional Work and Record	60

Books Recommended:

1. Military Map Reading – Service Publication (Indian Army or NCC Manual)
2. Map Reading and Interpretation – Indian Military Academy
3. Field Surveying and Map Reading – S.K. Roy
4. Basic Map Reading Manual – Army Education Corps
5. Topographical Map Reading – R. P. Misra & A. Ramesh
6. Oxford School Atlas / Orient Black Swan Atlas (for Practice and General Reference)
7. Survey of India Toposheets (Scale 1:50,000)

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Session: July-December 2026

M.Sc. (Defence Studies) Semester - I (Lab Course - B)

Program	Subject	Year	Semester
M.Sc.	Defence Studies	I	I
Course Code	Course Title		Course Type
DS - 106	Practical Studies in Defence Affairs		Core
Credit	Hours Per Week (L-T-P)		
	L	T	P
02	2	-	4
Maximum Marks	CIA		ESE
100	30		70

Detailed Syllabus/Curriculum:

Topics	No. of Lectures
• Plain Table survey and Sketching • Newspaper Cutting on National and International Affairs During the Session • Make a Reports on Important Defence Events (10 different Themes) • Give a 10 Min. Lecture on any one Defence & Security events which is occurred recent year with the help of Power point presentation on the allotted topic. • Sessional Work and Record	60

Books Recommended:

1. **Journals of Defence Studies** – MP-IDSA, New Delhi.
2. **Military Geography: For Professionals and the Public** – John M. Collins
3. **Basics of Surveying and Field Work** – Kanetkar & Kulkarni
4. **Modern World Affairs** – N. Jayapalan
5. **Defence Studies: Contemporary Perspectives** – Dr. V.P. Malik & M. Amarjeet Singh
6. **Strategic Affairs Yearbook** – MP-IDSA
7. **Annual Report** – Ministry of Defence, Government of India.
8. **Yojana / Kurukshetra** – For Indian Defence and Internal Security Updates.
9. **Daily Newspaper Editorial** – Danik Jagran, Indian Express & The Hindu.
10. **MP-IDSA** – Commentaries and Policy Briefs.

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M. Sc. I Semester
Session: July-December 2026
Course/Paper - I (Code: DSIKS)
Course Title: *Bhartiya Yuddha Shastra*

Detailed Syllabus/Curriculum:

Unit	Topics	No. of Lectures	CO No.
I	- Definition and scope of IKS in warfare Ancient Texts and Philosophies – a. Mahabharata (Ethical & Strategically Insights) b. Ramayana (War & Valour) c. Bhagavad Gita (Principles of Duty & Morality) d. Dhanur Veda (Art of War and Military Training) e. Kautilya's Arthshastra	15	1
II	Strategic and Tactical Knowledge - ○ Chaturanga Bal (The Four Components) ○ Vyuh (Battle Formations) ○ Guerrilla Yuddh (Guerrilla Warfare) ○ Guptchari (Espionage) Technology and Innovation in Warfare - ○ Weapons of War (Astra-Shastra) ○ Mobile Warfare (Yuddh Rath)	15	2
III	Ethics and Dharma in Warfare - ○ Fairness in Combat (Dharm Yuddh) ○ The Just War (Niti aur Nyaya) ○ Violence and Non-Violence (Himsaya aur Ahimsa) Role of Knowledge and Learning in Warfare - ○ Military Training and Education, Gurukul System ○ Psychological Warfare and Intelligence ○ Diplomatic Strategy	15	3
IV	- Influence of Indian Warfare on Global Military Traditions - Relevance of Ancient Military Thought in Nuclear & Information Age - Indian Knowledge System in 21st Century Defence Strategy	15	4

Suggested Readings:

1. R. Shamasastri (1905). Kautilya Arthshastra (Translated), Penguin Publications.
2. Basham, A. L. (2004). The Wonder That Was India. Rupa Publications.
3. Boesche, R. (2002). The First Great Political Realist: Kautilya and His Arthshastra.
4. Chaturvedi, B. K. (2019). Chanakya's Political Wisdom. Diamond Pocket Books.
5. Gurjar, R. (2020). The Art of War in Ancient India. Read worthy Publications.
6. Jha, D. N. (2010). Ancient India: In Historical Outline. Manohar Publishers.
7. Majumdar, R. C. (2003). The Military System of Ancient India. Bhartiya Vidya Bhavan.
8. Mishra, R. (2016). Indian Warfare: From Vedic Period to the Mauryan Age. Aryan Books.
9. George Tanham – *Indian Strategic Thought: An Interpretive Essay*
10. Stephen Cohen – *India: Emerging Power*