



जननायक चंद्रशेखर विश्वविद्यालय, बलिया
Jananayak Chandrashekhar University, Ballia



**DEPARTMENT OF DEFENCE AND STRATEGIC
STUDIES**

**JANANAYAK CHANDRASHEKHAR
UNIVERSITY, BALLIA**

COURSE STRUCTURE FOR

Ph.D. (Doctor of Philosophy)

**Defence and Strategic
Studies**

ACADEMIC SESSION -2018-19

DEPARTMENT OF DEFENCE AND STRATEGIC STUDIES

Course Structure for Ph.D.

Defence and Strategic Studies

Academic Session 2018-19

The Study of Defence and Strategic Studies course has been designed/redesigned/updated as per present and future needs. Suggested Areas of research have also been added for providing directions to future researches in the area. This programme also requires proper infrastructure, trained teachers, and computers with internet connections. There will be linkages, guest lectures, society and visits will also be required to provide real life exposure.

Ph.D. of Defence and Strategic Studies

COURSE STRUCTURE –

FIRST PAPER – DSST 101	Research Methodology & Computer Application	Max. Marks:100
SECOND PAPER – DSST 102	Theory & Practice of War and Peace	Max. Marks:100
THIRD PAPER – DSST 103	Importance of Science and Technology in National Security	Max. Marks:100

PROPOSED REGULATIONS

Papers	Title of the papers	Theory		Practical	
		Max. Marks	Mini. Marks	Max. Marks	Mini. marks
		Final Exam.			
Paper -DSST 101	(Theory Paper)	100	40	-	
Paper -DSST 102	(Theory Paper)	100	40	-	
Paper -DSST 103	(Theory Paper)	100	40	-	
Total aggregate of is 50%		Max. Marks – 300 and Min. Marks – 150			

Note-

1. The research work maybe initiated as per PhD. ordinance.
2. The evaluation of seminar presentation, written and oral comprehensive examination shall be done by the departmental committee which shall be constituted by the Head of Department/Principal of College.
3. The minimum passing marks of every paper will be 40% in theory and total aggregate of the semester will be 50%minimum.

FIRST PAPER – DSST 101

Max. Marks: 100

RESEARCH METHODOLOGY AND COMPUTER APPLICATION

UNIT I

Importance and scope of research in defence and strategic studies. Introduction to Research Methodology: Meaning and objective of Research. Motivations in Research . Types, approaches and significance of research, Research Methods v/s Methodology. Research and Scientific Methods. Research Process, Criteria of Good Research Defining the Research Problem: What is Research Problem? Selecting the Problem, Necessity of Techniques in defining the problem.

UNIT II

Methods of Data Collection: Collection of Data through questionnaire and Schedules Collection of Secondary Data. Selection of appropriate method for data collection questionnaire, successful interviewing, Survey v/s experiment,. Classification and tabulation of data. Diagrammatic and Graphical representations of research results.

UNIT III

Computer: fundamental, programming language, data representation, application. Systems concepts- definitions, general characteristics; general system theory; system thinking, systems dynamics, systems behavior and systems study.

UNIT IV

Scientific Communications, Importance of publishing research papers:

- (a) Preliminaries, Format, Choosing Journal.
- (b) Title Running Title.
- (c) Authors: Single and Multi authorship
- (d) Writing Abstract
- (e) Introduction section
- (f) Materials and Methods Section
- (g) Results and discussion
- (h) Figure: Design Principles, Legends, Table components, Graphs: Types, Style, Tables v/s Graph.
- (i) Acknowledgements
- (j) References: Different Styles
- (k) Selecting Keywords
- (l) Communication with the Editor, Handling Referees Comments.

Theory & Practice of War & Peace

1. **Defence and Strategic Studies** : Assumptions and Approaches.
2. **(a) The Concepts of Nation** -National Power and its Components
3. **(A) Key Concepts of Security** : National Security, Regional Security, Comprehensive Security, Common Security, Equal Security
- (b) National Security Objectives** : Core Values, National Interests.
- (c) Challenges to Security** : Individual, Sub – National; National, Regional and International Levels.
4. Non – Alignment, Balance of Power, Collective Security and Balance of Terror – Concept, Development and Relevance.
5. **Concepts of Geopolitics and Geo – Strategy** : Theories of Halford Mackinder and Carl Haushofer.
6. **Defence and Security Policies** : Concept, Formulation, Objectives and Linkages.
7. **National Security Organizations in India** :
 - (a)** Higher Defence Structure in India
 - (b)** National Security Council
 - (c)** Para – Military and Civil Defence
 - (d)** Civil – Military Relations

8. Deterrence and Detente : Concept, Theories of nuclear deterrence and their current relevance.

9. Contribution to Strategic thought by Kautilya, Mao, Jomini, Clausewitz, Douhet and Alfred Mahan.

10. Military system of Vedic and Epic age (1500-600 BC) Battle of Hydaspes (326 BC)

11. Mauryan Military system (600-185 BC) and Age of Guptas and Harsh Vardhana. Changes in Hindu Military System.

12. Military reforms and pattern of warfare during the sultanate period.

13. The Development in Mughal Military system and change in art of the warfare (1526-1707) .

14. Maratha Military system & Sikh Military system

15. Development of the presidency armies under the East India Company

16. Indian war of Independence 1857 A.D.

17. British Indian Army

A- Rise of Presidency Armies

B- Indianisation of Indian Army

C- Nationalization of Indian Armed Forces

18. Indian National Army & Kashmir Conflict

A- Partition of India

B- Genesis and Prospects of Kashmir dispute (1948)

C- Military Operation in Kashmir (1948)

19. Indian War

- A- Sino Indian War 1962- Border Dispute, Military Operation and Politico Military Lesson
- B- Indo-Pak War 1965- Background and Causes, Military Operations on Western Fronts and Politico- Military Lessons
- C- Indo-Pak War 1971- Genesis and Causes of War, Military Operation in Eastern and Western Fronts and Emergence of Bangladesh and Politico- Military Lesson
- D- Kargil Conflict- 1999: Cames Military Operations, Role of IAF and Military Lesson.

20. **War : (a)** Theories and causes of War.

(b) Principles of War.

(c) **Contemporary Warfare** : Conventional Warfare in Nuclear age, Limited War, Revolutionary Warfare, Low Intensity Operations, Guerilla Warfare, Insurgency and Counter – Insurgency.

21. **Armaments** : Arms Race, Arms Aid, Arms Trade, Arms Proliferation.

22. Military Alliances and Pacts, Peace Treaties, Defence Cooperation, Strategic Partnership and Security Dialogue.

23. Problem of System of Governance and Human Rights.

24. **Terrorism** : Concept and kinds (National, International and Cross border).

25. Nuclear Proliferation & NPT, CTBT, MTCR, NMD.

26. Industrial Military Complex.

Science and Technology Issued in National Security

1. End of cold war and emergence of new world order.
2. Military, Nuclear and missile capabilities of China, Pakistan and India.
3. Re – Structuring of UNO.
4. **Military Geography & Defence Problems :** Nature of boundaries, Terrain
 - (a) Sino – Indian and Indo – Pak border disputes and India’s Continental Strategy with her neighbours.
 - (d) West – Asian Crisis & Developments in Central Asian Republics.
5. Militarization of Indian Ocean and India’s national, maritime and security interests in the Indian Ocean region. India’s Maritime Strategy for the 21st Century.
6. Issues of Logistics & Non Conventional Threat.
7. **Problems of Refugees :**
 - (a) Causes of Migration.
 - (b) Population in border areas and border security.
8. Origin, Type and Structure of Conflict at inter – state level.
9. Images, belief systems and International conflicts.
10. Techniques of Conflict Prevention

11. **Conflict Management** : Pacific Solution of International Disputes, Coercive methods and war as an instrument.
12. International Humanitarian Laws and Laws of Armed Conflicts.
13. **Confidence Building Measures** : Concept, kinds and utility.
14. **IGOs & NGOs in Conflict Resolution** : Peace Making, Peace Keeping and Peace Building.
15. **Techniques of Preservation of Peace** : Collective Security System, Pacific Settlement, Enforcement Action. Regional Security Arrangements. Disarmament.
16. Broad Survey of Technological Changes from Industrial Revolution to Inform Action Revolution.
17. Economic Theories of Defence .
18. Basics of Defence Planning, Determinants of Defence Expenditure and Defence Budgeting.
19. National Security and International Trade regimes (WTO, TRIPS, TRIMS, NAFTA, SAPTA).
20. India's Nuclear and Space Power Programs, India's Energy Scenario.
21. **Research and Development** : (a) Relevance of Science and Technology in National Security. (b) Impact of Information Technology; Revolution in Military Affairs (RMA). (c) Choice of Weapon Systems.

22. Impact of Economic Liberalization and Globalization: (a) Defence Production in India (Role of DPSU's and Ordnance factories). (b) Defence and Development and Peace and Development Dichotomies.

23. Issues of Mobilization of Resources during War and Peace.

24. Transfer of Technology : Dual use and critical technologies and their impact on national