

Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur



**Syllabus
for
B.A./B.Sc. Programme (3 year)
in
Defence & Strategic Studies**

**Department of Defence & Strategic Studies
Faculty of Science
Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur**

B.A./B.Sc. Programme (3 year)

SEMESTER- WISE TITLES OF THE PAPERS IN UG DEFENCE & STRATEGIC STUDIES				
YEAR	COURSE CODE	PAPER TITLE	REMARK	CREDIT
	Semester-I			
B.A.-I	DSS 101	Basics of Defence & Strategic Studies		2+0
	DSS 102	Conceptual Aspect of war		4+0
	DSS 103	Basics of Operational Exercise-I		0+2
	Semester-II			
	DSS 104	Military History of India		4+0
	DSS 105	Basics of Operational Exercise-II		0+2
	Semester-III			
B.A- II	DSS 201	National Security- Conceptual Aspects		4+0
	DSS 202	Basics of Operational Exercise-III		0+2
	Semester-IV			
	DSS 203	Strategic Thought		4+0
	DSS 204	Basics of TEWTs/Sand Model Exercises, Sketching, Discussion		0+2
	Semester-V			
B.A- III	DSS 301	Indian Defence Mechanism		4+0
	DSS 302	National Security of India		4+0
	DSS 303	Military use of Electromagnetic Spectrum, Press Clipping, Tour		2+0
	DSS 304	Research Project- I		Qualifying
	Semester-VI			
	DSS 305	Science and Technology in Relation to Warfare		4+0
	DSS 306	Military Psychology		4+0
	DSS 307	Spotting Strategic Locations, Military Models, Presentation		2+0
	DSS 308	Research Project- II		Qualifying

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 from specific to active/participatory pedagogies 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
	Basics of Defence & Strategic Studies	2	30
	Conceptual Aspect of war (Theory)	4	60
	Basics of Operational Exercises-I (Practical)	2	30
	Total	6	90
Semester II	Name of Paper	Credits	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- III (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 VI	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

B.A. /B. Sc. I ,Semester I, Defence and Strategic Studies, Paper 1
Basic of Defence & Strategic Studies (Theory)

Programme/Class: Certificate		Year: First	Semester: I
Course Code: DSS 101		Course Title: Basic of Defence & Strategic Studies (Theory)	
Course outcomes: At the completion of the course the student will be able to clearly understand the basic of Defence and Strategic Studies e.g. its definition, meaning, scope, relevance, subject content, its features and relationship with other disciplines of study: concepts of war , conflict, campaign strategic, tactics, logistics and grasp the domestics and strategic issues of national security in detail.			
Credits: 2		Core Compulsory / Elective	
Max. Marks: 25+75		Min. Passing Marks:33	
Total No. of Lectures-30			
Units	Topic		No of Lectures
I	1. Meaning, definition and scope of Defence & Strategic Studies 2. Utility, Relevance and significance of and Defence & Strategic Studies		08
II	3. Correlation of Defence and Strategic Studies with other disciplines of the study. 4. Meaning and definition of security and defence studies in India		08

III	5. Basic Concepts of Defence and Strategic studies (Defence Security, Battle, Conflict , Campaign, war strategy, tactics and logistics etc.)		08
IV	6. Mechanism of India's National Security framework (Preliminary treatment)		06

Suggested Readings:

1. पाण्डेय, बाबूराम एवं पाण्डेय, रामसूरत (2005), युद्ध और शांति के मूल तत्व, प्रकाश बुक डिपो, बरेली
2. सिंह लल्लनजी, (2003) राष्ट्रीय रक्षा और सुरक्षा, प्रकाश बुक डिपो, बरेली
3. सिंह अशोक कुमार, (2018) राष्ट्रीय सुरक्षा, प्रकाश बुक डिपो, बरेली
4. श्रीवास्तव, जे. एम.एवं सिन्हा, हर्ष कुमार (2017) राष्ट्रीय सुरक्षा, प्रकाश बुक डिपो, बरेली
5. A.L. Venkateswararan, Defence Organization in India, New Delhi, Govt of India, 1967
6. D.K. Palit, Essentials of Military Knowledge, New Delhi, 1989
7. Koushik Roy, From Hydespes to Kargil :A History of Warfare in India 326 BC to AD 1999, New Delhi Manohar 2004
8. Field Marshal Montgomery, Discount, A history of Warfare, London, 1960
9. अशोक कुमार सिंह, संजीव भदौरिया, विनोद कुमार सिंह, प्रवीण कुमार सिंह- राष्ट्रीय सिद्धांत एवं व्यवहार
10. डॉ० अशोक कुमार सिंह – 21वीं सदी में भारत का सुरक्षा दर्शन
11. डॉ० अशोक कुमार सिंह- वैश्विक वातावरण में सभ्यता और सुरक्षा संकट
12. डॉ० अशोक कुमार सिंह- सैन्य शक्ति के आइनेमें विश्व
13. डॉ० अशोक कुमार सिंह- राष्ट्रीय सुरक्ष के आयाम

Programme/Class: Certificate		Year: First	Semester: I
Course Code: DSS 102		Course Title: Conceptual Aspects of war(Theory)	

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.		
Credits: 4	Core Compulsory / Elective	
Max. Marks: 25+75	Min. Passing Marks:33	
Total No. of Lectures-60		
Units	Topic	No of Lectures
I	1. Definition, object, types and caused of War 2. Evolution of war – Primitive war, Feudal war, peoples war, modern war.	08
II	3. Nature and character of war, features of modern war. 4. War as an instrument of policy : Past, Present and Future	07

III	5. Modern Warfare a. Concept and definition b. Features of Modern Warfare	07
IV	6. Guerrilla Warfare a. Origin and concept. b. Principles, techniques and characteristics of guerrilla warfare. c. Counter guerrilla measures.	08
PART B		
V	7. Psychological Warfare a. Definition and concept. b. Functions and Limitations.	8
VI	8. Economic Warfare a. Concept and definition b. Basic dimensions c. Effects of war on National Economy	6
VII	9. Nuclear warfare a. Beginning of nuclear era and effects of nuclear explosion. b. Nuclear strategies of 'Deterrence' and 'Massive Retaliation'.	8
VIII	10. Chemical and Biological Warfare a. Definition and concept b. Agents, their effect and military use.	8

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.		

<p>7. Mukherji and Shyam Lal, (1952) A Textbook of Military Science, Vol. II., Navayuga, New Delhi.</p> <p>8. Osanka, F.M., (1962) Modern Guerrilla Warfare, Free Press of Glencoe, New York.</p> <p>9. Sidhu, K.S., (1988) War and Its Principles, Atlantic, New Delhi.</p> <p>10. Tripathi, K.S., (1970) Evolution of Nuclear Strategies, Vikas, New Delhi</p> <p>11. Van Evara, Stephen, (1999), Causes of War: Power and the Roots of Conflict, Cornell University Press, Ithaca.</p> <p>12. सिंह लल्लनजी, (2003) राष्ट्रीय रक्षा और सुरक्षा, प्रकाश बुक डिपो, बरेली</p> <p>13. सिंह अशोक कुमार, (2018) राष्ट्रीय सुरक्षा, प्रकाश बुक डिपो, बरेली</p> <p>14. सिंह, टण्डन, अग्रवाल (2021) युद्ध और शांति का अध्ययन, शारदा पुस्तक भवन, इलाहाबाद</p> <p>15. पाण्डेय, बाबू राम एवं पाण्डेय, रामसूरत, (2005) युद्ध और शांति के मूल तत्व, प्रकाश बुक, डिपो बरेली</p>
<p>This course can be opted as an elective by the students of following subjects: Open for all The eligibility for this paper is 10+2 with any subject</p>
<p>Suggested Continuous Evaluation Methods: Seminar/ Presentation on any topic of the above syllabus Research Orientation Test with multiple choice questions/ short and long answer questions Attendance</p>
<p>Course prerequisites: To study this course, a student must have had the subject ALL in class 12th. The eligibility for this paper is 10+2 with any subject</p>
<p>Suggested Equivalent online courses:</p> <ul style="list-style-type: none"> • Coursera • Swayam

**B.A. /B.Sc.I ,Semester I , Defence and Strategic Studies Paper 2
(Practical)**

Programme/Class: Certificate		Year: First		Semester: First	
Course Code: DSS 103			Course Title: Basics of Operational Exercises-I		
Credits: 2			Core Compulsory / Elective		
Max. Marks: 25+75			Min. Passing Marks:40		
Total No. of Lectures-Tutorials-Practical-30 (60 hours)					
Unit	Topic				No. of Lectures
I	1.	Maps: Definition and Features; Classification and its utility for Military;			06
	2.	Marginal information of map			
	3.	Conventional Signs: Military and Geographical			
II	4.	North: Types of North and finding out True North; The Pole Star Method; The equal altitude method; Watch method & Compass method.			08
III	5.	Scale: Definition, Methods of representing Scale: Inter conversion of scale into Representative Fraction, construction of simple scale line and the comparative Scale lines.			16
	6.	Service Protectors and their use			
	7.	GRID System: Four Figure and six figure Map References.			
<p>This course can be opted as an elective by the students of following subjects: Open for all</p>					
<p>Suggested Continuous Evaluation Methods: Research Orientation Test with multiple choice questions/short and long answer questions,or Record ,Viva Voce</p>					

B.A. /B.Sc I ,Semester II, Defence and Strategic Studies, Paper 01

Military History of India
(Theory)

Programme /Class: Certificate	Year: First	Semester: II
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Course Code: DSS 104	Course Title: Military History of India (Theory)
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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.

Credits: 4	Core Compulsory / Elective
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Max. Marks: 25+75	Min. Passing Marks:33
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Total No. of Lectures-60

Units	Topic	No of Lectures
I	1. Military System in Vedic and Epic Age. 2. Macedonian and Indian art of war with particular reference to the battle of Hydaspes (326 B.C.)	7
II	3. Kautilya's Philosophy of War : State Craft, Military Organisation, Weapon, Intelligence System and the Art of War	7
III	4. Rajput and Turk Military System with particular reference to the Battle of Tarran (1191 & 1192 AD)	7
IV	5. The Mughal Military System with particular reference to the First Battle of Panipat (1526 AD)	7
PART B		
V	6. The Maratha Military System with special reference to the third battle of Panipat (1761 AD)	8
VI	7. Sikh Military System with special reference to the battle of Sobraon (10 Feb. 1846AD)	8
VII	8. Indian war of independence 1857	8
VIII	9. Evolution of Indian Armed forces from 1858 to 1947 A.D.	8

Suggested Readings:

1. Alfred, David., (1953) Indian Art of War, Atma Ram , Delhi.
2. Bajwa F.S., (1964) Military System of the Sikhs, Moti Lal, Banarsi Dass, Delhi.
3. Bruce, George., (1969) Six Battles of India, Rupa & Company, Calcutta.
4. Das, S.T., (1969) Indian Military - Its History and Development, Sagar, New Delhi.
5. Dikshitar, Ramachandra V. R. (1999) War in Ancient India. Cosmo, New Delhi.
6. Fuller, J.F.C., (1958) Generalship of Alexander The Great, Natraj Publishes, Dehradun.
7. Gustav Oppert, (1967) Weapons, Army Organisation and Political Maxims of Ancient Hindus, R.F Patel Rajratan Press, Ahmedabad.
8. Kangle, R.P., (1963) Kautilya`s Arth Shastra, University of Bombay, Mumbai.
9. Majumdar, B.K., (1960) Military System in Ancient India, Firma K.L. Mukhopadhyoy, Calcutta.
10. Majumdar, B.N., (1963) Study of Indian Military History. Army Educational Store, Delhi.
11. Roy, Kaushik, (2004) From Hydaspes to Kargil: A History of Warfare in India from 326 BC to AD 1999. Manohar, New Delhi.
12. Roy, Kaushik (2011, War, Culture and Society in Early Modern South Asia, 1740– 1849, Routledge.
13. लल्लनजी सिंह (2003) राष्ट्रीय रक्षा और सुरक्षा, प्रकाश बुक डिपो, बरेली
14. अशोक कुमार सिंह (2018) राष्ट्रीय सुरक्षा, प्रकाश बुक डिपो, बरेली
15. लल्लनजी सिंह, युद्ध और शांति की समस्याएं: प्रकाश बुक डिपो बरेली, 1997–98
16. डेविड ,मेजर अलफ्रेड, (1992), भारतीय युद्ध कला, अनुवाद एस.डी. चोपड़ा, मध्य प्रदेश हिंदी ग्रंथ अकादमी, भोपाल
17. शर्मा, डॉ. योगेंद्र कुमार एवं निगम, रामलाल (1998.99), सैन्य विज्ञान भाग 1 एवं 2, अलका प्रकाशन, कानपुर
18. सिंह, टण्डन, अग्रवाल, (2012), भारतीय युद्ध कला, शारदा पुस्तक भवन, इलाहाबाद
19. सिंह, टण्डन, अग्रवाल, (2009), स्वतंत्र भारत की युद्ध कला, (कश्मीर से कारगिल तक) शारदा पुस्तक भवन, इलाहाबाद
20. प्रसाद और सिंह, भारतीय सैन्य इतिहास की रूपरेखा
21. अशोक सिंह– भारतीय सैन्य इतिहास

This course can be opted as an elective by the students of following subjects: Open for all The eligibility for this paper is 10+2 with any subject

Suggested Continuous Evaluation Methods:

Seminar/ Research Orientation/Presentation on any topic of the above syllabus Test with multiple choice questions/ short and long answer questions Attendance

Course prerequisites:To study this course,a student must have had the subject ALL .. in class 12th. The eligibility for this paper is 10+2 with any subject

Suggested Equivalent online courses:

- Coursera
- Swayam

B.A. /B.Sc. I , Semester II, Defence and Strategic Studies ,Paper 02 (Practical)

Programme/Class: Certificate		Year: First	Semester: II
Course Code: DSS 105		Course Title: Basics of Operational Exercises-II	
Credits: 2		Core Compulsory / Elective	
Max. Marks: 25+75		Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical-30 (60 hours)			
Unit	Topic		No. of Lectures

I	1. Bearing: Definition, Inter conversion of Bearing in detail.	06
II	2. 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	3. To find out the bearing of a point from other point situated on the ground.	06
IV	4. To determine one's and enemy's position on the map by resection and intersection methods with the help of compass. 5. Traversing / Root scathing	10
This course can be opted as an elective by the students of following subjects: Open for all		
Suggested Continuous Evaluation Methods: Test with multiple choice questions/ Research Orientation/ short and long answer questions, or Record ,Viva Voce		
Course prerequisites: To study this course, a student must have had the subject in class/12 th / certificate/diploma.		

B.A. /B.Sc II ,Semester III, Defence and Strategic Studies, Paper 01
National Security-Conceptual Aspect (Theory)

Programme/Class: Certificate	Year: Second	Semester: III
Course Code: DSS 201	Course Title: National Security-Conceptual Aspects(Theory)	
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.		
Credits: 4	Core Compulsory / Elective	

Max. Marks: 25+75		Min. Passing Marks:33
Total No. of Lectures-60		
Units	Topic	No of Lectures
I	1. Introduction (a) Concepts of Nation, State and Nation – State (b) Origin, Concept, and objectives of National Security.	08
II	2. Security and Defence Policies formation and their linkages	07
III	3. National and International Security related Concepts a. National Power and its elements, National Interest, Foreign Policy and Diplomacy. b. Balance of Power, Collective Security and Collective Defence, Non-. Alignment, Deterrence, Disarmament and arms control	07
IV	4. Challenges and Threats to National Security: Military and Non-Military	08
PART B		
V	5. Concept of Defence: Defence Planning, Military ,Nuclear and Missile Capabilities of India, China	

	and Pakistan	8
VI	6. Proliferation of weapons of Mass Destruction(WMD)andNPT, CTBT, MTCR, NMD and FMCT	6
VII	7. Armaments: Arms Race, Arms Aid, Arms Trade and Small Arms Proliferation	8
VIII	8. Measures to address the challenges of National Security 9. Relevance of Science & Technology in National Security	8

Suggested Readings:

- Booth, K., (2007) Theory of World Security: Cambridge University Press, Cambridge,
- Buzan, Barry., (1987)People Fear and State: New Delhi, Trans Asia Publications.
- Das, S.T., (1987) National Security in Perspective: Delhi, Gian Publishing House.
- Frankel, Joseph., (1970) National Interest: London, Macmillan.
- Military Balance., Latest Edition (IISS)
- Morgenthau, Hans J.,(1969) Politics Among Nations, Calcutta, Scientific Book Agency.
- Palmer, Norman D. and Perkins, Howard C., (1968) International Relations: Calcutta, Scientific Book Agency
- Chowdhury, Subrata Roy., (1966) Military Alliances and Neutrality in War and Peace: New Delhi, Orient Longman.
- Singh, Nagendra., (1974) The Defence Mechanism and the Modern State: New Delhi, Asia Publishing House.
- SIPRI Year Book Latest Edition.
- उम्मन, टी.के.(2010) सुरक्षा: एक नया दृष्टिकोण, प्रभात प्रकाशन , नई दिल्ली
- पाण्डेय, डॉ. रामसूरत, (2014) राष्ट्रीय सुरक्षा एवं अंतरराष्ट्रीय संबंध, प्रकाश बुक डिपो, बरेली
- सिंह लल्लनजी, (2003) राष्ट्रीय रक्षा और सुरक्षा, प्रकाश बुक डिपो, बरेली
- श्रीवास्तव, जे. एम.एवं सिन्हा, हर्ष कुमार (2017) राष्ट्रीय सुरक्षा, प्रकाश बुक डिपो, बरेली
- सिंह अशोक कुमार, (2018) राष्ट्रीय सुरक्षा, प्रकाश बुक डिपो, बरेली
- कुमार, महेंद्र , (2005) अंतर्राष्ट्रीय राजनीति के सैद्धांतिक पक्ष, शिवलाल अग्रवाल एंड कंपनी, आगरा
- अशोक कुमार सिंह, संजीव भदौरिया, विनोद कुमार सिंह, प्रवीण कुमार सिंह– राष्ट्रीय सिद्धांत एवं व्यवहार
- डॉ० अशोक कुमार सिंह – 21वीं सदी में भारत का सुरक्षा दर्शन
- डॉ० अशोक कुमार सिंह– राष्ट्रीय सुरक्ष के आयाम

This course can be opted as an elective by the students of following subjects: Open for all The eligibility for this paper is 10+2 with any subject

Suggested Continuous Evaluation Methods:

Seminar/ Research Orientation/ Presentation on any topic of the above syllabus Test with multiple choice questions/ short and long answer questions Attendance

Course prerequisites:To study this course,a student must have had the subject ALL .. in class 12th. The eligibility for this paper is 10+2 with any subject

Suggested Equivalent online courses:

- Coursera
- Swayam

**B.A. /B.Sc. II., Semester III , Defence and Strategic Studies ,Paper 02
(Practical)**

Programme/Class: Certificate	Year: Second	Semester: III
Course Code: DSS 202	Course Title: Basics of Operational Exercises-III	
Credits: 2	Core Compulsory / Elective	
Max. Marks: 25+75	Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical-30 (60 hours)		

Unit	Topic	No. of Lectures
I	1. Field Craft 2. Relief Features and their representation on the map.	06
II	3. Types of slopes and their representation on the map	08
III	4. Gradient – Determination of gradients.	06
IV	5. Inter visibility – Determination of inter visibility in case of rise or fall of slope. 6. Traversing	10
This course can be opted as an elective by the students of following subjects: Open for all		
Suggested Continuous Evaluation Methods: Test with multiple choice questions/ Research Orientation/short and long answer questions,or Record ,Viva Voce		
Course prerequisites: To study this course, a student must have had the subject in class/12 th / certificate/diploma.		

B.A. /B.Sc II ,Semester IV, Defence and Strategic Studies, Paper 01
Strategic Thought (Theory)

Programme/Class: Certificate		Year: Second	Semester: IV
Course Code : DSS 203		Course Title: Strategic Thought (Theory)	
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.			
Credits: 4		Core Compulsory / Elective	
Max. Marks: 25+75		Min. Passing Marks:33	
Total No. of Lectures-60			
Units	Topic	No of Lectures	
I	1. Kautilaya's Philosophy of war.	10	
II	2. Sun Tzu- The Art of war.	05	
III	3. Clausewitz's theories on war and politics.	06	
IV	4. Mao-Tse-Tung's views on Guerrilla warfare.	08	
PART B			
V	5 .J.F.C. Fuller and Liddell Hart: Their views on Mechanized warfare	08	
VI	6. Mahan's Views on Sea Power and Naval Warfare.	05	
VII	7. Douhet and Mitchell: Their views on the Role of Air Power in Modern Warfare.	08	
VIII	8. Y.Harkabi, John Foster Dulles and Andre Beaufre - Theories of Nuclear War and Deterrence. 9.Thoughts of Mahatama Gandhi and Nehru on Peace, Security and Development.	10	

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, Routedledge Kegenpaul. 8.Ropp, Theodore.,
8. (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. Nasultion, Abdul Haris., (1965) Fundamentals of Guerrilla Warfare, Fredrick A Pragner.
12. Reid, Brain Holden., (1987) J.F.C.Fuller: Military Thinker, Palgrave McMilan.
13. Greene, T.N., (1962) The Guerrilla and How to Fight Him, Fredrick A Pragner.
14. जौहरी, आर.सी, (1977), पाश्चात्य सैन्य विचारक, चन्द प्रकाश एंड ब्रदर्स, हापुड
15. पाण्डेय, बाबूराम एवं पाण्डेय, रामसूरत, (2005), स्त्रातेजिक विचारक, बरेली बुक डिपो, बरेली
16. सिंह, लल्लनजी, (1997-98), आधुनिक सैन्य चिंतक (विचारक), प्रकाश बुक डिपो, बरेली
17. अधिकारी, शेखर, (2001), आधुनिक स्त्रातेजिक चिंतक, एस.पी.जे पब्लिकेशस, इलाहाबाद
18. चेगुएवारा आर्गेस्ता, (2008), छापामार युद्ध, अनुवाद नरेश 'नदीम' प्रकाशन संस्थान, नई दिल्ली
19. सुंतजू, (2010), युद्ध की कला, अनुवाद डॉ० आलोक कुमार, मांफ्ले प्रेस, नोएडा

This course can be opted as an elective by the students of following subjects: Open for all The eligibility for this paper is 10+2 with any subject

Suggested Continuous Evaluation Methods:

Seminar/ Research Orientation/Presentation on any topic of the above syllabus Test with multiple choice questions/ short and long answer questions Attendance

Course prerequisites:To study this course,a student must have had the subject ALL .. in class 12th. The eligibility for this paper is 10+2 with any subject

Suggested Equivalent online courses:

- Coursera
- Swayam

**B.A. /B.Sc. II,Semester IV, Defence and Strategic Studies ,Paper 02
(Practical)**

Programme/Class: Certificate		Year: Second	Semester: IV
Course Code: DSS 204		Course Title: Basics of TEWTs/Sand Model Exercises, Sketching, Discussion	
Credits: 2		Core Compulsory / Elective	
Max. Marks: 25+75		Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical-30 (60 hours)			
Unit	Topic		No. of Lectures

I	1.Elementary knowledge of- a. Study and description of ground b. Judging distance c. Camouflage and deception d. Fire Control Order Or 1. Sand Model Exercises a. Battle of Panipat, 1526 A.D. b. Battle of Assaye, 1803 A.D.	08
II	2. a. Section formation b. Platoon Formation c. Patrolling d. Message Writing or 2. Sketching of the Charts of Indian Battles a. Battle of Thagla Ridge, 1962. b. Kargil Conflict, 1999	08
III	3. Sketching of the Charts of Western Battles a. Battle of Trafalgar, 1805. b. Battle of Somme, 1919. or 3. Military Appreciation of the situation	05
IV	4. Lecture and group discussion on current defence topics.	12
This course can be opted as an elective by the students of following subjects: Open for all		
Suggested Continuous Evaluation Methods:		
Test with multiple choice questions/ Research Orientation/ short and long answer questions, Record ,Viva Voce		
Course prerequisites: To study this course, a student must have had the subject in class/12 th / certificate/diploma.		

B.A. /B.Sc III, Semester V, Defence and Strategic Studies, Paper 01
Indian Defence Mechanism (Theory)

Programme/Class: Certificate	Year: Third	Semester: V
Course Code: DSS 301	Course Title: Indian Defence Mechanism (Theory)	
Course outcomes: Students will learn about the defence mechanism of India and evaluate its strengths and weaknesses.		
Credits: 4	Core Compulsory / Elective	
Max. Marks: 25+75	Min. Passing Marks:33	
Total No. of Lectures-60		
Units	Topic	No of

		Lectures
I	1. Introduction and Differences between Army , Military and Defence Forces 2. Second line Defence [introduction to Paramilitary Forces in brief]	08
II	2. 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	3. 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	4.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	5. Air Force Organization a. Organization of Air Force Headquarters (Role of CAS and PSOs). b. Static and Field formation of Indian Air Force.	7
VI	6.Navy Organization a. Organization of Naval Headquarters (Role of CNS & PSOs). Static and Field formation of Indian Navy.	7
VII	7. Cooperation Between Armed Forces and Civil Authorities a. Maintenance of Law and Order b. Flood Relief Operations c. Rescue and Relief Operation	8
VIII	8.Indian's Defence Cooperation with Foreign Countries a. Defence Diplomacy. b. Cooperation on Capacity Building and Training c. Defence Partnerships with Major Powers	8

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, डॉ. योगेन्द्र कुमार एवं निगम, रामलाल, (1998-99), सैन्य विज्ञान भाग-2, अलका प्रकाशन, कानपुर
7. वार्षिक रिपोर्ट : रक्षा एवं विदेश मंत्रालय, भारत सरकार,
8. कारखोजो, मेजर जनरल इयान (2016), भारतीय सेना का गौरवशाली इतिहास, अनुवाद विनोद कुमार मिश्र, प्रभात प्रकाशन दिल्ली

<p>9^ण लल्लनजी सिंह (2003) राष्ट्रीय रक्षा और सुरक्षा, प्रकाश बुक डिपो, बरेली 10^ण अशोक कुमार सिंह (2018) राष्ट्रीय सुरक्षा, प्रकाश बुक डिपो, बरेली 11. लल्लनजी सिंह, युद्ध और शांति की समस्याएं: प्रकाश बुक डिपो बरेली, 1997-98</p>
<p>This course can be opted as an elective by the students of following subjects: Open for all The eligibility for this paper is 10+2 with any subject</p>
<p>Suggested Continuous Evaluation Methods: Seminar/ Research Orientation/ Presentation on any topic of the above syllabus Test with multiple choice questions/ short and long answer questions Attendance</p>
<p>Course prerequisites:To study this course,a student must have had the subject ALL .. in class 12th. The eligibility for this paper is 10+2 with any subject</p>
<p>Suggested Equivalent online courses:</p> <ul style="list-style-type: none"> • Coursera • Swayam

B.A. /B.Sc III , Semester V, Defence and Strategic Studies, Paper 02
National Security of India (Theory)

Programme/Class: Certificate	Year: Third	Semester: V
Course Code: DSS 302	Course Title: National Security of India (Theory)	
Course outcomes: Students will learn about the defence mechanism of India and evaluate its strengths and weaknesses.		

Credits: 4	Core Compulsory / Elective	
Max. Marks: 25+75	Min. Passing Marks:33	
Total No. of Lectures-60		
Units	Topic	No of Lectures
I	1. India's Geo-Strategic Location and its significance. a. India's Borders- Nature and characteristics of land borders. b. Indian ocean territory and its strategic significance	08
II	2.Indian Concept of National Security a. Meaning and Definition b. Threat Perceptions	07
III	3. India's Security Problems since independence. a. Geo-political effects of partition. b. Effects on Armed Forces	08
IV	4. Determinants of Indian Foreign Policy - Basic Determinants: Objectives of Indian foreign policy; global and regional perspective.	07
PART B		

V	5. External Dimensions of India's security a. Security problems related to Pakistan including Indo-Pak wars. b. Security problems related to China including 1962 Sino-Indian war. c. Regional Security challenges. d. India's Maritime Security Challenges	07
VI	6. Internal dimension of India's security a. Terrorism in Jammu & Kashmir and Punjab b. Insurgency in North eastern states c. Naxalism	07

VII	7. Defence Organization in India: - Structure, Objectives, Role, and Problems.	08
VIII	8.National Security Council: Structure and Role 9.National Security Management and Future Challenges	

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. लल्लनजी सिंह (2003) राष्ट्रीय रक्षा और सुरक्षा, प्रकाश बुक डिपो, बरेली
10. अशोक कुमार सिंह (2018) राष्ट्रीय सुरक्षा, प्रकाश बुक डिपो, बरेली
11. लल्लनजी सिंह, युद्ध और शांति की समस्याएं: प्रकाश बुक डिपो बरेली, 1997-98
- 12.दत्त, बी.पी. (2007) स्वतंत्र भारत की विदेश नीति, अनुवाद नरेंद्र तोमर, नेशनल बुक ट्रस्ट इंडिया
- 13.कुमार, अशोक, (2015) भारत की आंतरिक सुरक्षा: मुख्य मुख्य चुनौतियां, माइग्राहित एजुकेशन (भारत) प्राइवेट लिमिटेड, नई दिल्ली
- 14.शरण, हरी एवं सिन्हा, हर्ष कुमार (2012) हिंद महासागर: चुनौतिया एवं विकल्प, प्रत्युष पब्लिकेशन दिल्ली
15. मलिक, जनरल पी.वी. (2014) भारतीय सैन्य शक्ति, प्रभात प्रकाशन, दिल्ली
16. माधव, राम. (2015) (युद्ध के वर्षों बाद भारत और चीन 50) प्रभात पेपर बैक्स, नई दिल्ली

This course can be opted as an elective by the students of following subjects: Open for all The eligibility for this paper is 10+2 with any subject

Suggested Continuous Evaluation Methods:
Seminar/ Research Orientation/Presentation
on any topic of the above syllabus Test with
multiple choice questions/ short and long
answer questions Attendance

Suggested Equivalent online courses:

- Coursera
- Swayam

**B.A. /B.Sc. III ,Semester V, Defence and Strategic Studies ,Paper 03
(Practical)**

Programme/Class: Certificate		Year: Third	Semester: V
Course Code : DSS 303		Course Title: Military use of Electromagnetic Spectrum, Press Clipping, Tour	
Credits: 2		Core Compulsory / Elective	
Max. Marks: 25+75		Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical-30 (60 hours)			
Unit	Topic		No. of Lectures
I	1. Thermal Imaging and Sensors. 2. Radars and its significance.		12
II	3.Introduction to Electronic Warfare in terms of Lasers, ECM, ECCM		10
III	Educational Tour and its report or Press Clippings on allotted current topics with a brief assignment		08
This course can be opted as an elective by the students of following subjects: Open for all			
Suggested Continuous Evaluation Methods: Test with multiple choice questions/ Research Orientation/short and long answer questions, or Short Presentation/Lecturer, Record ,Viva Voce			
Course prerequisites: To study this course, a student must have had the subject in class/12 th / certificate/diploma.			

Marking Pattern- (1) Tour Report – 20
(2)Record- 10
(3)Viva - 15
(4) Question Paper-30
Total- 75

Internal Assessment
(1) MCQs- 15
(2) Presentation- 10
Total- 25

**B.A. /B.Sc. III, Semester V, Defence and Strategic Studies, Paper 4
Research Project**

Programme/Class: Graduation		Year: 3	Semester: V
Course Code: DSS 304		Course Title: Research project- I	
Credits: 3		Core Compulsory / Elective	
Max. Marks: 25+75		Min. Passing Marks:40	
Total No. of Lectures- 45			
Unit	Topics		No. of Lectures

I	The Candidate has to select and give inputs in any one of the following. It may include	10
	1. Indo-Nepal Border Security and Management 2. Study and assessment of potential cyber threats in your area.	
II	Involving application of knowledge in solving/analyzing/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
This course can be opted as an elective by the students of following subjects: Open for all		
Suggested Continuous Evaluation Methods: Prepare Survey or tool on any one of the above areas Research Orientation-Collection of data related to the area. A letter certifying the authenticity of work done from the mentor Report of the identified problems and survey conducted.		
Course prerequisites: To study this course, a student must have had cleared the 4th semester		

B.A. /B.Sc III ,Semester VI, Defence and Strategic Studies, Paper 01
Science and Technology in Relation to Warfare (Theory)

Programme/Class: Certificate		Year: Third	Semester: VI
Course Code: DSS 305		Course Title: Science and Technology in Relation to Warfare (Theory)	
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.			
Credits: 4		Core Compulsory / Elective	
Max. Marks: 25+75		Min. Passing Marks:33	
Total No. of Lectures-60			
Units	Topic		No of Lectures

I	1. Science, Technology and there relation to warfare	07
II	2.Impact of Science and Technology on warfare in middle age.	07
III	3. Impact of Science and Technology on Warfare in WW-I and WW-II	08
IV	4. (a) Ballistic missile in Nuclear revolution (b) Chemicale and Biological warfare in 21st century	08

PART B		
V	5. (a) The information revolution (b) Cyber warfare	07
VI	6. Electronic Warfare: Concept and applications	07
VII	7. Emerging technologies and their impact on warfare	08
VIII	8. Indian Defence: DRDO and defence production	08
<p>Suggested Readings:</p> <ol style="list-style-type: none"> 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. I& 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. अब्दूल एवं राजन, बाई. एस. (2015) भारत 2020 और उसके बाद, प्रभात प्रकाशन, नई दिल्ली 14. लल्लनजी सिंह (2003) राष्ट्रीय रक्षा और सुरक्षा, प्रकाश बुक डिपो, बरेली 15. अशोक कुमार सिंह (2018) राष्ट्रीय सुरक्षा, प्रकाश बुक डिपो, बरेली 16. लल्लनजी सिंह, युद्ध और शांति की समस्याएं: प्रकाश बुक डिपो बरेली, 1997-98 <p>This course can be opted as an elective by the students of following subjects: Open for all The eligibility for this paper is 10+2 with any subject</p> <p>Suggested Continuous Evaluation Methods: Seminar/ Presentation on any topic of the above syllabus/ Research Orientation Test with multiple choice questions/ short and long answer questions Attendance</p> <p>Suggested Equivalent online courses:</p> <ul style="list-style-type: none"> • Coursera • Swayam 		

B.A. /B.Sc III ,Semester VI, Defence and Strategic Studies, Paper 02

Military Psychology (Theory)

Programme/Class: Certificate	Year: Third	Semester: VI
Course Code: DSS 306	Course Title: Military Psychology (Theory)	
<p>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.</p>		

Credits: 4		Core Compulsory / Elective
Max. Marks: 25+75		Min. Passing Marks:33
Total No. of Lectures-60		
Units	Topic	No of Lectures
I	1. Military Psychology: Definition, Scope, Significance and its role during war and peace.	08
II	2. Psychological Weapons of War: Propaganda, rumor and indoctrination.	07
III	3. Fear and Panic in War: Causes, Consequences and Management.	08
IV	4. Military Leadership: Meaning, attributes, importance and role of training.	07
PART B		
V	5. Discipline: Definition, purpose and tools of maintaining discipline	07
VI	6. Motivation and Morale factors and their utilization in the armed forces.	07
VII	7. Man Management:- Concept, importance and strategy vis-à-vis armed forces.	08
VIII	8. Emotional problems and adjustment during war and peace.	08
Suggested Readings:		
<ol style="list-style-type: none"> 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. लल्लनजी सिंह (2003) राष्ट्रीय रक्षा और सुरक्षा, प्रकाश बुक डिपो, बरेली 8. अशोक कुमार सिंह (2018) राष्ट्रीय सुरक्षा, प्रकाश बुक डिपो, बरेली 9. लल्लनजी सिंह, युद्ध और शांति की समस्याएं: प्रकाश बुक डिपो बरेली, 1997&98 10. गुप्त, परशुराम (2015) सैन्य मनोविज्ञान, 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, 		
This course can be opted as an elective by the students of following subjects: Open for all The eligibility for this paper is 10+2 with any subject		
Suggested Continuous Evaluation Methods:		
Seminar/ Presentation on any topic of the above syllabus /Research Orientation Test with multiple choice questions/ short and long answer questions Attendance		
Courseprerequisites:To study this course, a student must have had the subject in class/12 th / certificate/diploma		
Suggested Equivalent online courses:		
<ul style="list-style-type: none"> • Coursera • Swayam 		

B.A. /B.Sc. III ,Semester VI, Defence and Strategic Studies ,Paper 03

(Practical)

Programme/Class: Certificate	Year: First	Semester: First
Course Code: DSS 307	Course Title: Spotting Strategic Locations, Military Models, Presentations	
Credits: 2	Core Compulsory / Elective	
Max. Marks: 25+75	Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical-30 (60 hours)		
Unit	Topic	No. of Lectures
I	1. 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	2. 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	3. Making of Models - a. Fighter Plane. b. Battle Ship. c. Rader d. Submarine e. Tank f. Missile g. Helicopter	08
IV	4. Presentations on current defence topic	06
This course can be opted as an elective by the students of following subjects: Open for all		
Suggested Continuous Evaluation Methods:		
Test with multiple choice questions/short and long answer questions ,or Short Presentation/Lecturer, Record ,Viva Voce/ Research Orientation		
Course prerequisites: To study this course, a student must have had the subject in class/12 th / certificate/diploma.		

B.A. /B.Sc .III, Semester VI, Defense and Strategic Studies, Paper 4

Research Project

Programme/Class: Graduation	Year:3	Semester: VI
Course Code: DSS 308	Course Title : Research Project-II	
Course outcomes: Improves writing and presentation abilities of the candidate.		

Credits:3		Core Compulsory/Elective
Max.Marks:25+75		Min.PassingMarks:40
TotalNo.ofLectures-45		
Unit	Topics	No. ofLectures
I	The Candidate has to select and give in puts in anyone of the following. It may include..... 1..AnyNatural/Man Made disaster of you are and its management. 2.potentialthreatstotheconomysecurity 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 preintervention 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
VI	A detailed Report is to be submitted and evaluated.	12
This course can be opted as an elective by the students of following subjects: Open for all		
Suggested Continuous Evaluation Methods: Prepared intervention plan on anyone of the above areas Collection of data related to the area-Research Orientation A letter certifying the authenticity of work done from the mentor Report of the implemented plan and impact/experience of intervention.		
Courseprerequisites:Tostudythiscourse,astudentmusthavehadclearedthe4 th semester		