

# KISAN POST GRADUATE COLLEGE, BAHRAICH (U.P.) 271801

(Autonomous)

Affiliated to Dr. Rammanohar Lohia Avadh University, Ayodhya

Proposed Structure of syllabus for the

**PROGRAM: B.A. / B. Sc.**

**SUBJECT: DEFENCE AND STRATEGIC STUDIES**

**Syllabus developed/proposed by**

S.No.	Name of BoS Member	Designation	Department	College/University
1.	Dr. Chandra Shekhar Panday	Convenor	<b>Defence &amp; Strategic Studies</b>	Kisan P.G. College Bahraich
2.	Prof. Abhay Kumar Singh	University Nominee	<b>Defence &amp; Strategic Studies</b>	K.S. Saket P.G. College Ayodhya
3.	Prof. A.P. Shukla (Ret.)	Subject Expert	<b>Defence &amp; Strategic Studies</b>	D.D.U. Gorakhpur University
4.	Prof. Shikha Shrivastava	Subject Expert	<b>Defence &amp; Strategic Studies</b>	T.D.P.G. College Jaonpur
5.	Dr. Ram Surat Pandey (Ret.)	Invited Member	<b>Defence &amp; Strategic Studies</b>	S.L.B.S.P.G. College Gonda
6.	Prof. B.D. Divedi	Invited Member	<b>Defence &amp; Strategic Studies</b>	K.S. Saket P.G. College Ayodhya

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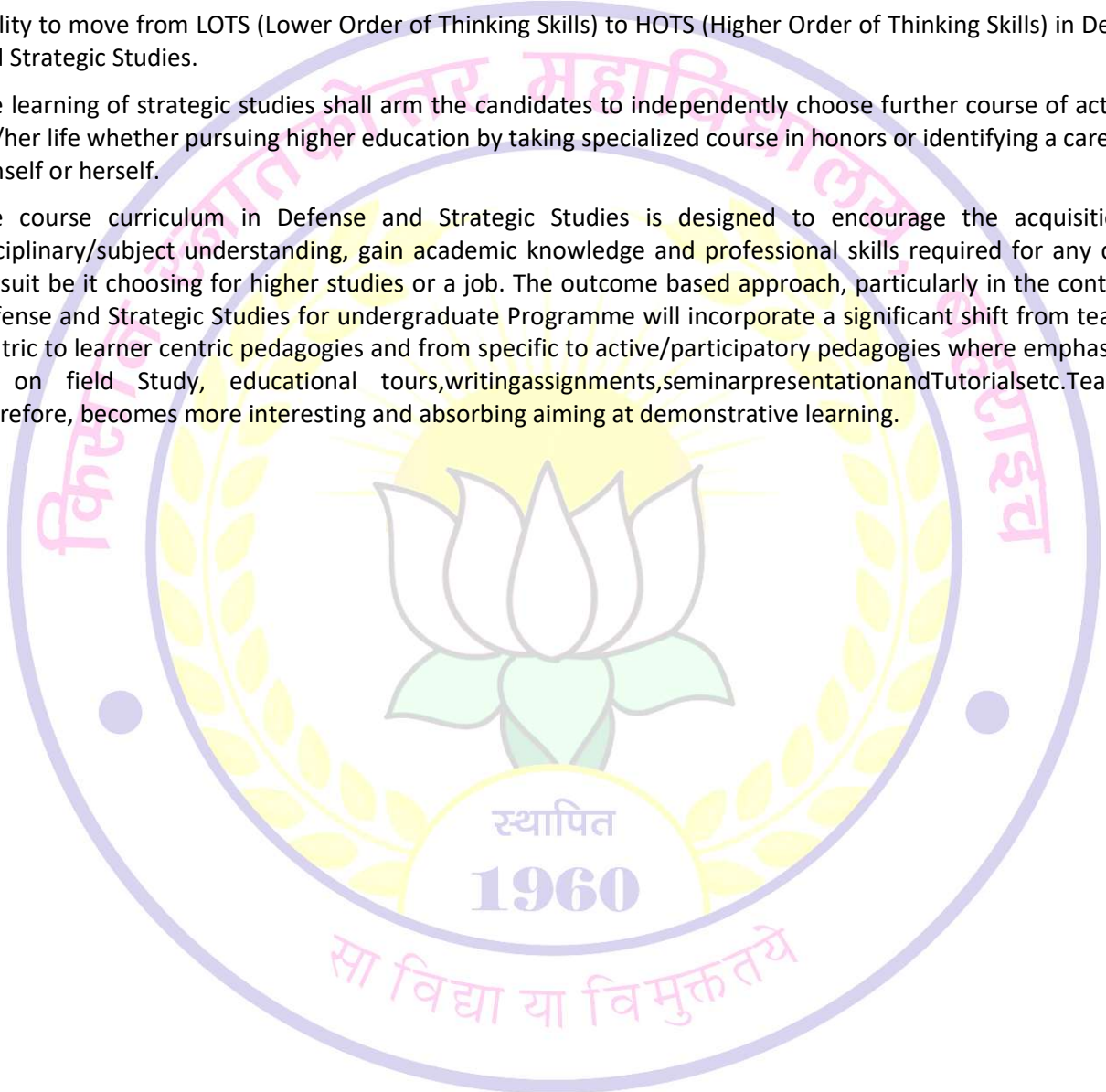
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**Semester-wise Titles of the Papers in U.G. Programme (Defence and Strategic Studies)**

Year	Semester.	Course Code	Paper Title	Theory/Practical	Credits
B.A-1	I	A120101T	Conceptual Aspect of war	THEORY	4
	I	A120102P	Basics of Operational Exercises-I	PRACTICAL	2
	II	A120201T	Military History of India	THEORY	4
	II	A120202P	Basics of Operational Exercises - II	PRACTICAL	2
B.A-2	III	A120301T	National Security –Conceptual Aspects	THEORY	4
	III	A120302P	Basics of Operational Exercises - III	PRACTICAL	2
	IV	A120401T	Strategic Thought	THEORY	4
	IV	A120402P	Basics of TEWTs/Sand Model Exercises, Sketching, Discussion	PRACTICAL	2
B.A-3	V	A120501T	Indian Defence Mechanism	THEORY	4
	V	A120502T	National Security of India	THEORY	4
	V	A130503P	Military use of Electromagnetic Spectrum, Press Clipping, Tour	PRACTICAL	2
	V	A130504R	Research Project-1	PROJECT	3
	VI	A130601T	Science and Technology in Relation to Warfare	THEORY	4
	VI	A130602T	Military Psychology	THEORY	4
	VI	A130603P	Spotting Strategic Locations, Military Models, Presentation	PRACTICAL	2
	VI	A130604R	Research Project-2	PROJECT	3

### Proposed Year wise Structure of UG Program in Defense and Strategic Studies Program Outcomes (POs)

1. Upon completion of the Programme of Bachelor's in Defense 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 defense 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 Defense 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 honors or identifying a career for himself or herself.
6. The course curriculum in Defense 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 Defense 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 Tutorial setc. Teaching, therefore, becomes more interesting and absorbing aiming at demonstrative learning.



## B.A. / B.Sc. First Year

### Certificate in Fundamentals of Defense and Strategic Studies Program

#### Specific Outcomes (PSOs)-

After undergoing this course a student will be in apposition 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
	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

## Diploma in Defense and Strategic Studies

### Program Specific Outcomes (PSOs)-

After undergoing this course student will be in apposition 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 challenge 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

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## 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 Defense 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 Defense (BMD) in Warfare. (Semester VI)
- 3.

Semester V	Name of Paper	Credits	No of Lectures
	Indian Defense 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
	<b>Total</b>	<b>13</b>	<b>195</b>
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
	<b>Total</b>	<b>13</b>	<b>195</b>

Programme/Class: Certificate		Year: First	Semester: I
Subject: Defense and Strategic Studies			
Course Code: A120101T		Course Title: CONCEPTUAL ASPECTS OF WAR	
<b>Course outcomes:</b> 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-			
Units	Topic		No. of Lectures (60)
PART-A			
I	<b>1. Conceptual Formulation</b> a. Meaning and definition of Defence and Strategic Studies – Its relevance and significance and relationship with other disciplines of study. b. War- Definition and meaning and basic concepts–Understanding various causes of War. Basic Concepts -War, Campaign, Battle, Strategy, Grand Strategy, Logictics, Tactics, Security and Defence.		08
II	<b>1. Principles of War</b> <b>2. War as an instrument of policy: Past, Present and Future</b>		07
III	<b>1. Modern Warfare</b> a. Concept and definition b. Features of Modern Warfare		07
IV	<b>1. Guerilla War fare</b> a. Origin and concept. b. Principles, techniques and characteristics of guerrilla warfare. c. Counter guerrilla measures.		08
PART-B			
V	<b>1. Psychological Warfare</b> a. Definition and concept. b. Functions and Limitations.		8
VI	<b>1. Economic Warfare</b> a. Concept and definition b. Basic dimensions c. Effects of war on National Economy		6
VII	<b>1. Nuclear warfare</b> a. Beginning of nuclear era and effects of nuclear explosion. b. Nuclear strategies of 'Deterrence' and 'Massive Retaliation'.		8
VIII	<b>1. Chemical and Biological Warfare</b> a. Definition and concept b. Agents, their effect and military use.		8
<b>Suggested Readings:</b>			
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. 7. Mukherji and Shyam Lal, (1952) A Textbook of Military Science, Vol. II., Navayuga, New Delhi. 8. Osanka, F.M.,(1962) Modern Guerrilla Warfare, Free Press of Glencoe, New York. 9. Sidhu, K.S., (1988) War and Its Principles, Atlantic, New Delhi. 10. Tripathi, K.S.,(1970)Evolution of Nuclear Strategies, Vikas, New Delhi			

11. Van Evara, Stephen, (1999), Causes of War: Power and the Roots of Conflict, Cornell University Press, Ithaca.
12. Wright, Quincy, (1942) Study of War, University of Chicago Press.
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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

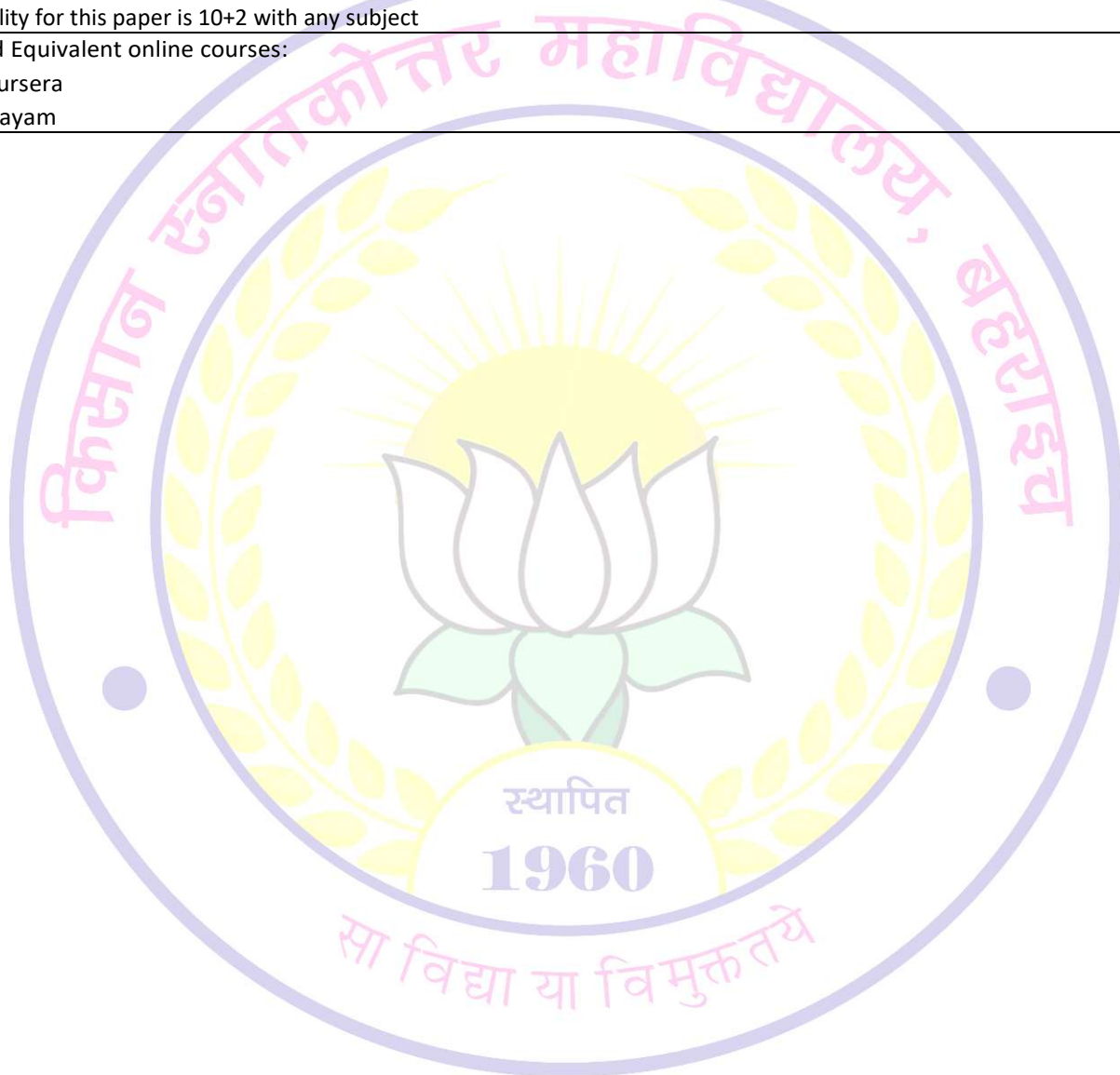
Attendance

Course prerequisites: To study this course, a student must have had the subject ALL..... in class 12<sup>th</sup>.

The eligibility for this paper is 10+2 with any subject

Suggested Equivalent online courses:

- Coursera
- Swayam



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

Programme / Class: Certificate	Year: First	Semester: First
<b>Subject: Defense and Strategic Studies (Practical)</b>		
Course Code: A120102P	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 (60hours)		
Unit	Topic	No. of Lectures
I	1. Maps: Definition and Features; Classification and its utility for Military; 2. Conventional Signs: Military and Geographical	06
II	3. GRID System: Four Figure and six figure Map References.	08
III	4. North: Types of North and finding out True North; The Pole Star Method; The equal altitude method; Watch method & Compass method.	06
IV	5. Scale: Definition, Methods of representing Scale: Inter-conversion of scale into Representative Fraction, construction of simple scale line. Time Scale	10
This course can be opted as an elective by the students of following subjects: Open for all .....		
<b>Suggested Continuous Evaluation Methods:</b>		
Research Orientation Test with multiple choice questions / short and long answer questions, or Record, Viva Voce		
1. डॉ०. जे.एम.श्रीवास्तव, प्रयोगात्मक सैन्यविज्ञान, चन्द्रप्रकाश एण्ड संन्स, हापुड		

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## B.A. / B.Sc. I, Semester II, Defense and Strategic Studies, Paper01

<b>Programme / Class: Certificate</b>	<b>Year: First</b>	<b>Semester: Second</b>
<b>Subject: Defense and Strategic Studies</b>		
<b>Course Code: A120201T</b>	<b>Course Title: Military History of India (Theory)</b>	
<p><b>Course outcomes:</b>            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.</p>		
<b>Credits: 4</b>		<b>Core Compulsory / Elective</b>
<b>Max. Marks: 25+75</b>		<b>Min. Passing Marks: 33</b>
<b>Total No. of Lectures - 60</b>		
<b>Units</b>	<b>Topic</b>	<b>No of Lectures</b>
<b>I</b>	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.)	08
<b>II</b>	3. Kautilya's Philosophy of War : State Craft, Military Organization, Weapon, Intelligence System and the Art of War	07
<b>III</b>	4. Rajput Military System with particular reference to the Battle of Terrain (1191 AD) (1192 AD) Military Organization and Pattern of Warfare during the Sultanate period with particular reference to Ala – Uddin Khilji	07
<b>IV</b>	5. The Mughal Military System with particular reference to the First Battle of Panipat (1526AD) Battle of Khanawa (1527 AD) 6. The Rajput Military Organization, Weapon system and art of fighting with particular reference to the battle of Kanwah (1527AD)	08
<b>PART B</b>		
<b>V</b>	7. The Maratha Military System with special reference to the third battle of Panipat (1761 AD)	8
<b>VI</b>	8. Sikh Military System with special reference to the battle of Sobraon (10 Feb. 1846AD)	6
<b>VII</b>	9. Evolution of Indian Armed forces from 1858 to 1947 A.D. ,	8
<b>VIII</b>	8. India's Wars post independence (In Brief) a. The First India-Pakistan War (1947-1948) b. India-China War of 1962 c. The India Pakistan War of 1965 d. Liberation of Bangladesh of 1971 e. The Kargil Conflict of 1999	8

**Suggested Readings:**

1. Alfred, David.,(1953)Indian Art o fWar, 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, Rama Chandra V.R. (1999) War in Ancient India. Cosmo, New Delhi.
6. Fuller, J.F.C.,(1958) General ship of Alexander The Great, Natraj Publishes, Dehradun.
7. Gustav Oppert, (1967) Weapons, Army Organization and Political Maxims of Ancient Hindus, R.F Patel Rajratan Press, Ahmedabad.
8. Kangle,R.P.,(1963)Kautilya`sArthShastra,UniversityofBombay,Mumbai.
9. Majumdar,B.K.,(1960) Military System in Ancient India, Firma K.L. Mukhopadhyoy, Calcutta.
10. Majumdar,B.N.,(1963) Studyof 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. 1999.Manohar, New Delhi.
13. Roy, Kaushik (2011, War, Culture and Society in Early Modern South Asia, 1740–1849,Routledge.
14. Roy, Kaushik Ed., (2011) ,The Indian Army in the Two World Wars Brill.
15. Singh, Sarva Daman. (1997) Ancient Indian Warfare: With Special Reference to the Vedic Period. Moti lal Banasi dass, New Delhi.
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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

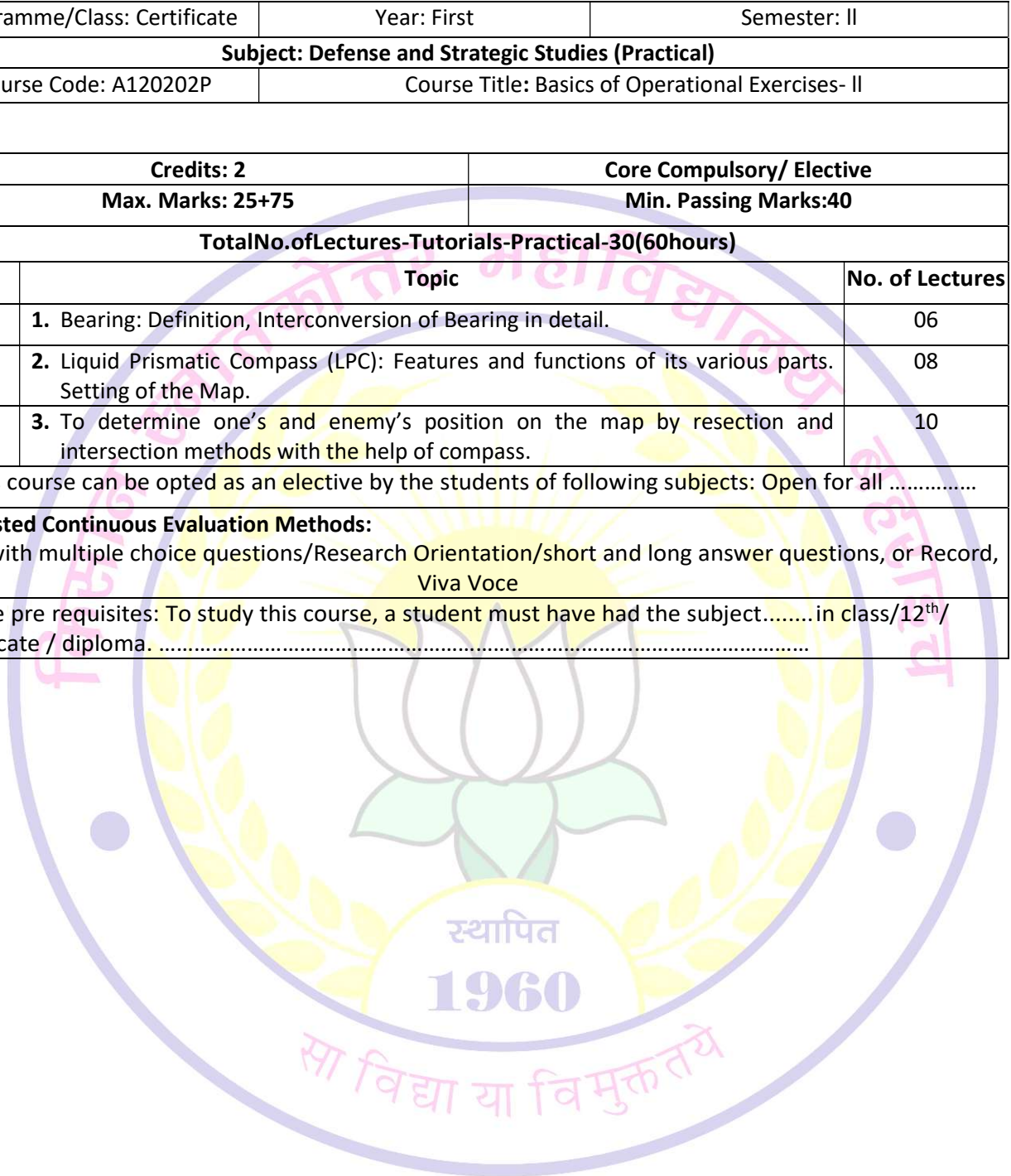
Course pre requisites: To study this course, a student must have had the subject ALL. In class 12<sup>th</sup>. The eligibility for this paper is 10+2 with any subject

**Suggested Equivalent on line courses:**

- Coursera
- Swayam

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

Programme/Class: Certificate	Year: First	Semester: II
<b>Subject: Defense and Strategic Studies (Practical)</b>		
Course Code: A120202P	Course Title: Basics of Operational Exercises- II	
<b>Credits: 2</b>		<b>Core Compulsory/ Elective</b>
<b>Max. Marks: 25+75</b>		<b>Min. Passing Marks:40</b>
<b>TotalNo.ofLectures-Tutorials-Practical-30(60hours)</b>		
Unit	Topic	No. of Lectures
I	1. Bearing: Definition, Interconversion of Bearing in detail.	06
II	2. Liquid Prismatic Compass (LPC): Features and functions of its various parts. Setting of the Map.	08
III	3. To determine one's and enemy's position on the map by resection and intersection methods with the help of compass.	10
This course can be opted as an elective by the students of following subjects: Open for all .....		
<b>Suggested Continuous Evaluation Methods:</b>		
Test with multiple choice questions/Research Orientation/short and long answer questions, or Record, Viva Voce		
Course pre requisites: To study this course, a student must have had the subject.....in class/12 <sup>th</sup> / Certificate / diploma. ....		

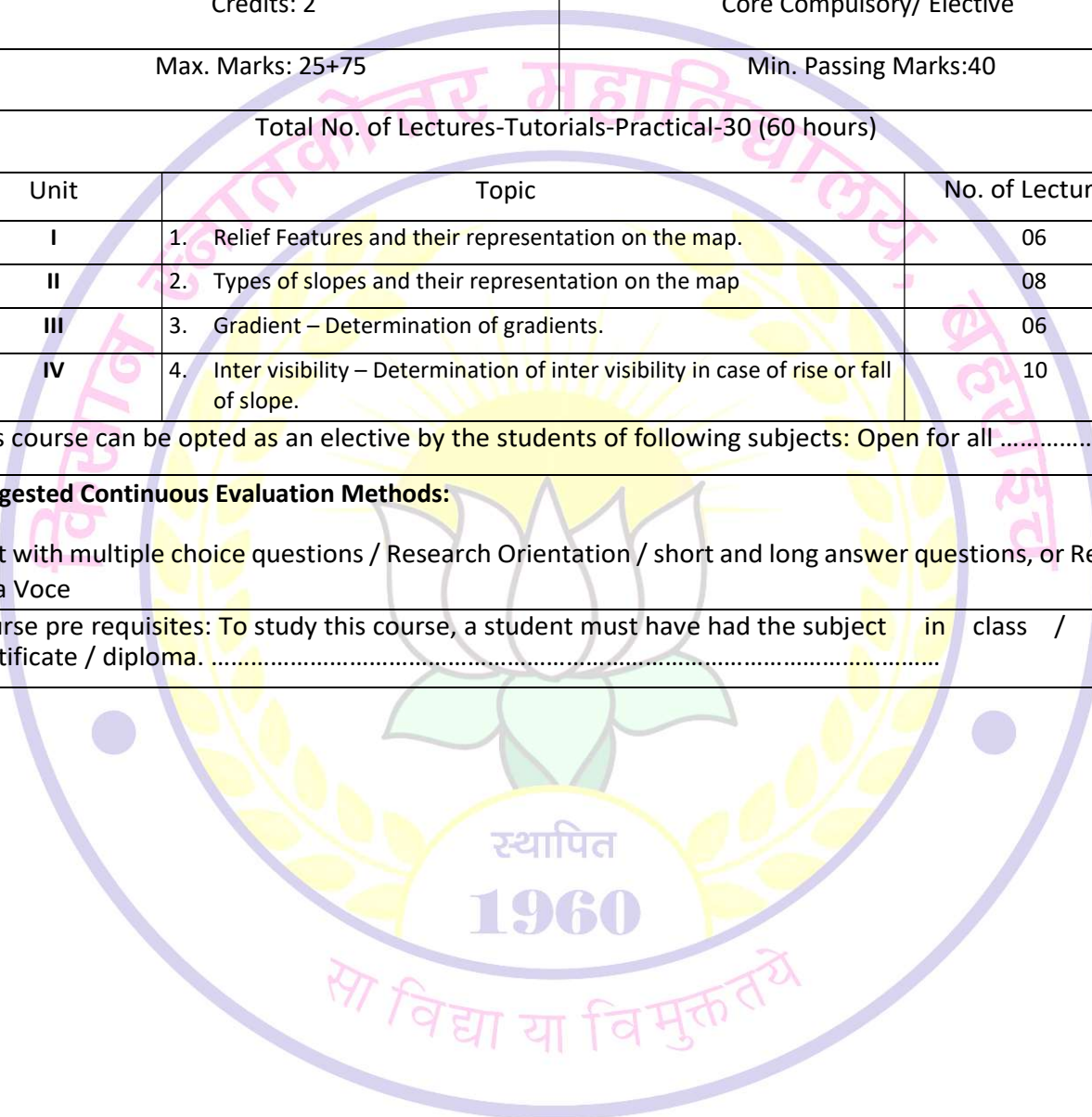


## B.A. /B.Sc., Semester III, Defense and Strategic Studies

Programme/Class: Certificate		Year: Second	Semester: III
<b>Subject: Defense and Strategic Studies</b>			
Course Code: A120301T		Course Title: National Security- Conceptual Aspects (Theory)	
<b>Course outcomes:</b> 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	
Units	Topic		No. of Lectures (60)
PART-A			
I	<b>1. Introduction</b> (a) Concepts of Nation, State and Nation–State, Security and Defence (b) Origin, Concept, and objectives of National Security.		08
II	1. National Security Analysis Concept, Components and formulation of Security and Defence Policies and their linkages		07
III	<b>1. National and International Security related Concepts</b> (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	<b>1. Challenges and Threats to National Security</b> (a) Military Threats/Challenges : Internal and External (b) Non-Military Threats/Challenges: Internal and External		08
PART-B			
V	1. <b>Concept of Defence:</b> Threat Perception, Defence Planning and Reforms, Military, Nuclear and Missile Capabilities of India, China and Pakistan		08
VI	1. Proliferation of weapons of Mass Destruction (WMD) and NPT, CTBT, MTCR, NMD and FMCT		06
VII	1. <b>Armaments:</b> Arms Race, Arms Aid, Arms Trade and Small Arms Proliferation		08
VIII	1. <b>Measures to address the challenges of National Security:</b> a. One-sided initiative, and b. Collaborative approach 2. <b>Relevance of Science &amp; Technology in National Security</b>		08
<b>Suggested Readings:</b>			
1. Booth, K., (2007) Theory of World Security: Cambridge University Press, Cambridge, 2. Buzan, Barry., (1987) People Fear and State: New Delhi, Trans Asia Publications. 3. Das, S.T., (1987) National Security in Perspective: Delhi, Gian Publishing House. 4. Frankel, Joseph., (1970) National Interest: London, Macmillan. 5. Military Balance., Latest Edition (IISS) 6. Morgenthau, Hans J., (1969) Politics Among Nations, Calcutta, Scientific Book Agency. 7. Palmer, Norman D. and Perkins, Howard C., (1968) International Relations: Calcutta, Scientific Book Agency 8. Chowdhury, Subrata Roy., (1966) Military Alliances and Neutrality in War and Peace: New Delhi, Orient Longman. 9. Singh, Nagendra., (1974) The Defence Mechanism and the Modern State: New Delhi, Asia Publishing House. 10. SIPRI Year Book Latest Edition. 11. डॉ० राम सूरत पाण्डेय, (2022) राष्ट्रीय सुरक्षा एवं अन्तर्राष्ट्रीय सम्बन्ध, प्रकाश बुक डिपो, बरेली 12. लल्लनजी सिंह, (2003) राष्ट्रीय रक्षा एवं सुरक्षा, प्रकाश बुक डिपो, बरेली 13. महेन्द्र कुमार, (2005) अन्तर्राष्ट्रीय राजनीति के सैद्धान्तिक पक्ष शिवलाल एवं कम्पनी, आगरा 14. अशोक कुमार, (2018) राष्ट्रीय सुरक्षा, प्रकाश बुक डिपो, बरेली			
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 12 <sup>th</sup> . The eligibility for this paper is 10+2 with any subject			
Suggested Equivalent online courses:			
<ul style="list-style-type: none"> <li>• Coursera</li> <li>• Swayam</li> </ul>			

**B.A. / B.Sc. II., Semester III**

Programme/Class: Certificate	Year: Second	Semester: III
<b>Subject: Defence and Strategic Studies (Practical)</b>		
CourseCode:A120302P	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. Relief Features and their representation on the map.	06
II	2. Types of slopes and their representation on the map	08
III	3. Gradient – Determination of gradients.	06
IV	4. Inter visibility – Determination of inter visibility in case of rise or fall of slope.	10
This course can be opted as an elective by the students of following subjects: Open for all .....		
<b>Suggested Continuous Evaluation Methods:</b>		
Test with multiple choice questions / Research Orientation / short and long answer questions, or Record, Viva Voce		
Course pre requisites: To study this course, a student must have had the subject in class / 12 <sup>th</sup> / Certificate / diploma. ....		



**B.A. / B.Sc. II, Semester IV, Defense and Strategic Studies, Paper 01**

Programme/Class: Certificate		Year: Second	Semester: IV
<b>Subject: Defense and Strategic Studies</b>			
Course Code: A120401T		Course Title: <b>Strategic Thought</b> (Theory)	
<b>Course outcomes:</b> 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.			
<b>Credits: 4</b>		<b>Core Compulsory/ Elective</b>	
<b>Max. Marks: 25+75</b>		<b>Min. Passing Marks: 33</b>	
<b>Total No. of Lectures - 60</b>			
<b>Units</b>	<b>Topic</b>	<b>No of Lectures</b>	
<b>I</b>	1. Kautilya's Philosophy of war.	10	
<b>II</b>	2. Sun Tzu-The Art of war.	05	
<b>III</b>	3. Clausewitz's theories on war and politics.	06	
<b>IV</b>	4. Mao-Tse-Tung's views on Guerrilla warfare.	08	
<b>PART B</b>			
<b>V</b>	5. J.F.C. Fuller and Liddell Hart: Their views on Mechanized warfare	8	
<b>VI</b>	6. Mahan's Views on Sea Power and Naval Warfare.	5	
<b>VII</b>	7. Douhet and Mitchell: Their views on the Role of Air Power in Modern Warfare.	8	
<b>VIII</b>	8. Y. Harkabi, John Foster Dulles and Andre Beaufre-Theories of Nuclear War and Deterrence.	10	
	9. Thoughts of Mahatama Gandhi and Nehru on Peace, Security and Development.		
<b>Suggested Readings:</b>			
<ol style="list-style-type: none"> <li>Dass, S.T., (1987) An Introduction to the art of war</li> <li>Earl, E.M., (1943) Makers of Modern Strategy, Princeton.</li> <li>Fuller, J.F.C., (1998) Armament and History, Da Capo Press.</li> <li>Fuller, J.F.C., (1992) The Conduct of war, Da Capo Press.</li> <li>Shama Shastri., (2012) Kautilya's Arthshastra, Low price Publications.</li> <li>Tzu, Sun., (2015) The Art of War, Grapevine, India.</li> <li>Duffy, Christopher. (1987) Siege Warfare, Routledge Kegan Paul.</li> <li>Ropp, Theodore. (2000) War in the Modern World, John Hopkins.</li> <li>Beaufre Andre. (1965) Deterrence and Strategy, Faber &amp; Faber.</li> <li>Mao-Tse-Tung., (1967) On the protracted War: Selected works, Foreign Language Press, Peiking.</li> <li>Nasution, Abdul Haris. (1965) Fundamentals of Guerrilla Warfare, Fredrick A Prager.</li> <li>Reid, Brain Holden. (1987) J.F.C. Fuller: Military Thinker, Palgrave Mc Milan.</li> <li>Greene, T.N. (1962) The Guerrilla and How to Fight Him, Fredrick A Prager.</li> <li>डॉ० राम सूरत पाण्डेय, रणनीतिक विचार धारा (2023) प्रकाश बुक डिपो, बरेली</li> <li>लल्लनजी सिंह, अधुनिक सैन्य चिंतक (1998) प्रकाश बुक डिपो, बरेली</li> <li>संतजू, युद्ध की कला (2010) अनुवाद डॉ० अलोक कुमार, मांफ्ले प्रेस, नोएडा</li> </ol>			
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			
<b>Suggested Continuous Evaluation Methods:</b> Seminar/Research Orientation/Presentation on any topic of the above syllabus Test with multiple choice questions/short and long answer questions Attendance			
Course pre requisites: To study this course, a student must have had the subject ALL. In class12 <sup>th</sup> .The eligibility for this paper is10+2 with any subject			
Suggested Equivalent on line courses:			
<ul style="list-style-type: none"> <li>Coursera</li> <li>Swayam</li> </ul>			

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

<b>Programme/Class:</b> Certificate		<b>Year:</b> Second	<b>Semester:</b> IV
<b>Subject: Defense and Strategic Studies (Practical)</b>			
<b>Course Code:</b> A120402P		<b>Course Title:</b> Basics of TEWTs /S and Model Exercises, Sketching, Discussion	
<b>Credits:</b> 2		Core Compulsory / Elective	
<b>Max. Marks:</b> 25+75		<b>Min. Passing Marks:</b> 40	
<b>Total No. of Lectures –Tutorials – Practical - 30 (60 hours)</b>			
<b>Unit</b>	<b>Topic</b>		<b>No. of Lectures</b>
<b>I</b>	<b>1.Elementary knowledge of-</b> a. Rank structure of the three services b. Study and description of ground C. Judging distance d. Section formation e. Patrolling <b>Or</b> <b>1.Sand Model Exercises</b> Battle of Panipat,1526 A.D. Battle of Assaye,1803 A.D.		08
<b>II</b>	<b>2.SketchingoftheChartsofIndianBattles</b> a. Battle of Thagla Ridge, 1962.b.Kargil Conflict, 1999		05
<b>III</b>	<b>3.Sketching of the Charts of Western Battles</b> a. Battle of Trafalgar, 1805. b. Battle of Somme, 1919.		05
<b>IV</b>	<b>4.</b> Lecture and group discussion on current defense topics.		12
This course can be opted as an elective by the students of following subjects: Open for all .....			
<b>Suggested Continuous Evaluation Methods:</b>			
Test with multiple choice questions / Research Orientation / short and long answer questions, Record, Viva Voce			
Course pre requisites: To study this course, a student must have had the subject ..... in class/12 <sup>th</sup> / certificate/diploma. .....			

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सा विद्या या विमुक्तये

**B.A. / B.Sc. III, Semester V, Defense and Strategic Studies, Paper01**

Programme/Class: Certificate	Year: Third	Semester: V
<b>Subject: Defense and Strategic Studies</b>		
Course Code: A120501T	Course Title: <b>Indian Defense Mechanisms (Theory)</b>	
<b>Course outcomes:</b> Students will learn about the defense mechanism of India and evaluate its strengths and weaknesses.		
<b>Credits: 4</b>		<b>Core Compulsory/ Elective</b>
<b>Max. Marks: 25+75</b>		<b>Min. Passing Marks: 33</b>
<b>TotalNo.ofLectures-60</b>		
<b>Units</b>	<b>Topic</b>	<b>No. of Lectures</b>
I	<ol style="list-style-type: none"> <li>1. Introduction and Differences between Army , Military and Defense Forces</li> <li>2. Second line Defense [introduction to Paramilitary Forces in brief]</li> </ol>	08
II	<ol style="list-style-type: none"> <li>1. The Indian Defence Forces                             <ol style="list-style-type: none"> <li>a. Rank Structure of the Three Services.</li> <li>b. Recruitment methods for Defence Services.</li> <li>c. Important training Institution of the Three Services.</li> </ol> </li> </ol>	07
III	<ol style="list-style-type: none"> <li>1. Higher Defence Organizations of India                             <ol style="list-style-type: none"> <li>a. Power of the President of India in relation of Defence.</li> <li>b. Role and function of Ministry of Defence.</li> <li>c. Composition and function of Defence Committees / NSC.</li> <li>d. Chief of Staff and joint service Organization.</li> </ol> </li> </ol>	08
IV	<ol style="list-style-type: none"> <li>1. Army Organization                             <ol style="list-style-type: none"> <li>a. Organization of army Headquarters (Role of COAS and PSOs).</li> <li>b. Static and Field formation of Indian Army.</li> <li>c. Arms and Services.</li> </ol> </li> </ol>	07
<b>Part -B</b>		
V	<ol style="list-style-type: none"> <li>1. Air Force Organization                             <ol style="list-style-type: none"> <li>a. Organization of Air Force Headquarters (Role of CAS and PSOs).</li> <li>b. Static and Field formation of Indian Air Force.</li> </ol> </li> </ol>	7
VI	<ol style="list-style-type: none"> <li>1. Navy Organization                             <ol style="list-style-type: none"> <li>a. Organization of Naval Headquarters (Role of CNS &amp; PSOs).</li> <li>b. Static and Field formation of Indian Navy.</li> </ol> </li> </ol>	7
VII	<ol style="list-style-type: none"> <li>1. Cooperation Between Armed Forces and Civil Authorities                             <ol style="list-style-type: none"> <li>a. Maintenance of Law and Order</li> <li>b. Flood Relief Operations</li> <li>c. Rescue and Relief Operation</li> </ol> </li> </ol>	8
VIII	<ol style="list-style-type: none"> <li>1. Indian's Defence Cooperation with Foreign Countries                             <ol style="list-style-type: none"> <li>a. Defence Diplomacy.</li> <li>b. Cooperation on Capacity Building and Training</li> <li>c. Defence Partnerships with Major Powers</li> </ol> </li> </ol>	8
<b>Suggested Readings:</b> <ol style="list-style-type: none"> <li>1. Venkateswaran, A.L., (1967) Defence Organization in India, New Delhi: Government of India.</li> <li>2. Government of India, (1924) the Army of India and its Evolution, Calcutta.</li> <li>3. Ministry of Defence, Government of India, Indian Armed Forces Year Book, (Annual).</li> <li>4. Palit, D.K., (1989) Essentials of Military Knowledge, New Delhi.</li> <li>5. Singh, Nagendra. (1967) Defence Mechanism of Modern State, New Delhi.</li> <li>6. डॉ० योगेन्द्र कुमार शर्मा, रामलाल (1998) सैन्य विज्ञान भाग 2, अलका प्रकाशन, कानपुर</li> <li>7. मेजर जनरल इयान (2016) भारतीय सेना का गौरवशाली इतिहास, विनोद कुमार मिश्र, प्रभात प्रकाशन, दिल्ली</li> <li>8. वार्षिक रिपोर्ट, रक्षा एवं विदेश मंत्रालय, भारत सरकार</li> </ol>		

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 pre requisites: To study this course, a student must have had the subject ALL. In class 12<sup>th</sup>. The eligibility for this paper is 10+2 with any subject.

Suggested Equivalent online courses:

- Coursera
- Swayam



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

<b>Programme/Class: Certificate</b>		<b>Year: Third</b>	<b>Semester: V</b>
<b>Subject: Defence and Strategic Studies</b>			
<b>Course Code: A120502T</b>		<b>Course Title: National Security of India (Theory)</b>	
<b>Course out comes:</b> Students will learn about the defence mechanism of India and evaluate its strengths and weaknesses.			
<b>Credits: 4</b>		<b>Core Compulsory/ Elective</b>	
<b>Max. Marks: 25+75</b>		<b>Min. Passing Marks: 33</b>	
<b>Total No. of Lectures- 60</b>			
<b>Units</b>	<b>Topic</b>	<b>No. of Lectures</b>	
I	1. India's Geo- Strategic Location and 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 c. Types of threats to India	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	
<b>PART B</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 b. Insurgency in Northeastern 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	08	
<b>Suggested Readings:</b>			
<ol style="list-style-type: none"> <li>1. Bajpai, U.S., (1986) India and its Neighborhood: New Delhi, Lancer International.</li> <li>2. Baranwal, S.P., (1984) Measures of Civil Defence in India: New Delhi, Guide Publications.</li> <li>3. Bobbing, Ross and Gordon, Sandy, (1992) India's Strategic Future: Delhi, Oxford University Press.</li> <li>4. Chatterjee, R.K. (1978) India's Land Borders- Problems and Challenges: New Delhi, Sterling Publishers.</li> <li>5. Chaudhury, Rahul Roy, (1995) Sea Power and India's Security, London, Brassey's.</li> <li>6. Dass, S.T., (1987) National Security in Perspective: Delhi, Gian Publishers.</li> <li>7. Kavic, Lorne J., (1967) India's Quest for Security: Defence Policies 1947-1965, Los Angeles, University of California Press.</li> <li>8. Menon, V.P., (1961) the Story of the Integration of Indian States: New Delhi, Orient Longmans.</li> <li>9. Nayar, V.K. (1992) Threats from Within: New Delhi, Lancer Publications.</li> <li>10. Rao, Ramakrishna and Sharma, R.C., (1991) India's Borders, New Delhi, Scholars' Publishing Forum.</li> <li>11. Rao, P.V.R., (1970) Defence without Drift: Bombay, Popular Prakashan.</li> <li>12. Singh, Jaswant (1999) Defending India: Bangalore, Macmillan India Ltd.</li> <li>13. डॉ० राम सूरत पाण्डेय, राष्ट्रीय सुरक्षा एवं अन्तर्राष्ट्रीय संबंध, (2022) प्रकाश बुक डिपो, बरेली</li> <li>14. जनरल पी.बी. मलिक, भारतीय सैन्य शक्ति (2014) प्रभात प्रकाशन, दिल्ली</li> <li>15. बी.पी. दत्त, स्वतंत्र भारत की विदेश नीति (2007) अनुवाद नरेन्द्र तोमर, नेशनल बुक ट्रस्ट ऑफ इण्डिया</li> </ol>			
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

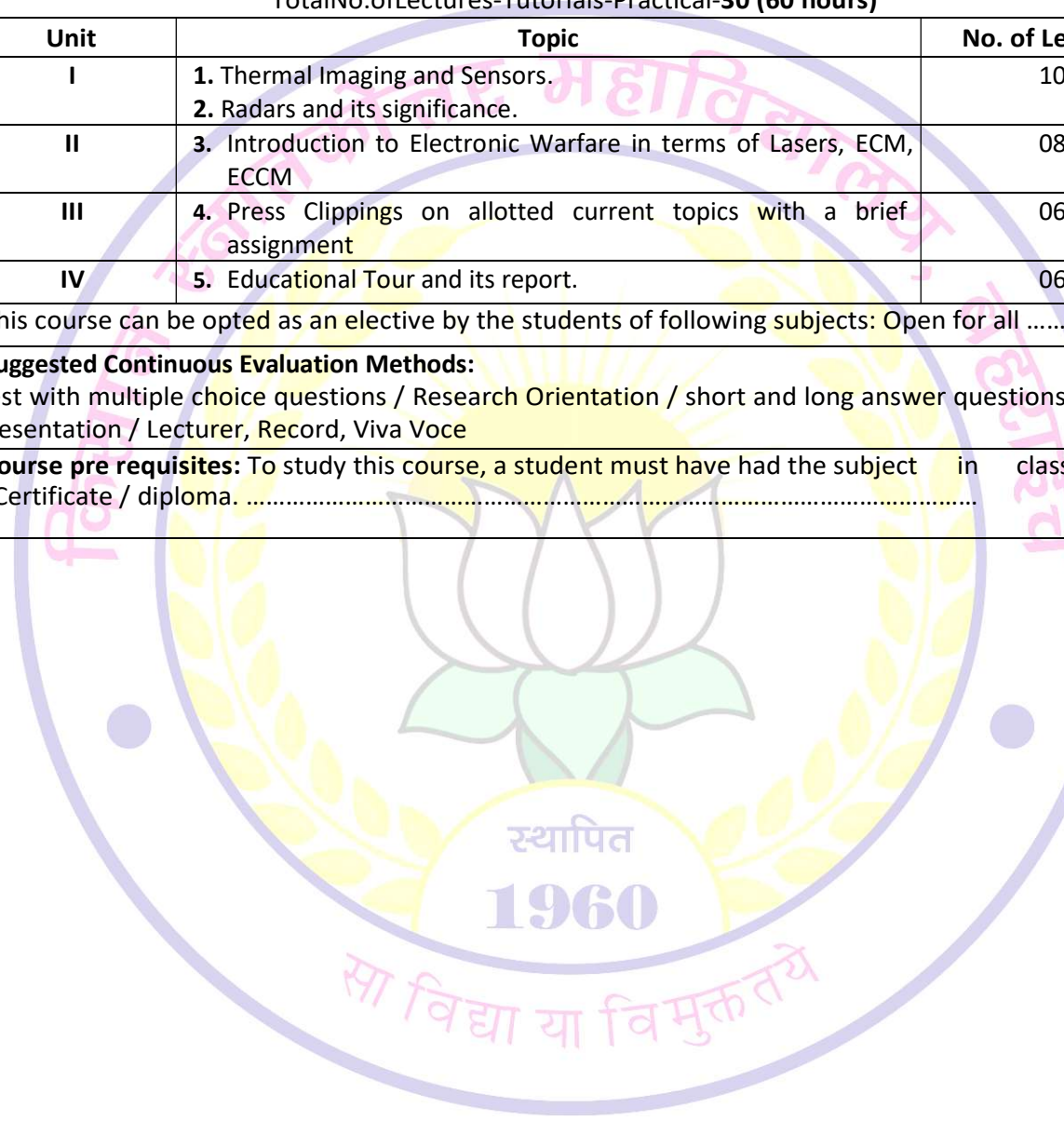
**Suggested Equivalent online courses:**

- Coursera
- Swayam



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

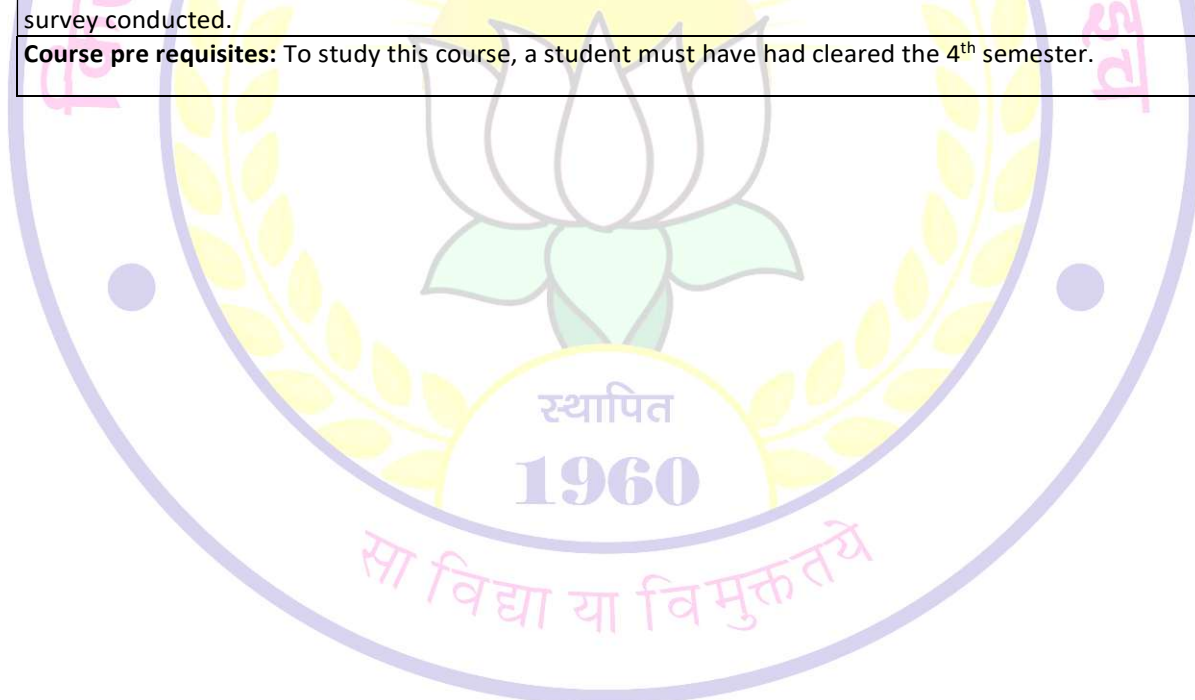
Programme/Class: <b>Certificate</b>	Year: <b>Third</b>	Semester: <b>V</b>
<b>Subject: Defence and Strategic Studies (Practical)</b>		
Course Code: <b>A120503P</b>	Course Title: <b>Military use of Electromagnetic Spectrum, Press Clipping, Tour</b>	
Credits: <b>2</b>	Core Compulsory/ Elective	
Max. Marks: <b>25+75</b>	Min. Passing Marks: <b>40</b>	
<b>TotalNo.ofLectures-Tutorials-Practical-30 (60 hours)</b>		
<b>Unit</b>	<b>Topic</b>	<b>No. of Lectures</b>
<b>I</b>	<b>1. Thermal Imaging and Sensors. 2. Radars and its significance.</b>	10
<b>II</b>	<b>3. Introduction to Electronic Warfare in terms of Lasers, ECM, ECCM</b>	08
<b>III</b>	<b>4. Press Clippings on allotted current topics with a brief assignment</b>	06
<b>IV</b>	<b>5. Educational Tour and its report.</b>	06
This course can be opted as an elective by the students of following subjects: Open for all .....		
<b>Suggested Continuous Evaluation Methods:</b> Test with multiple choice questions / Research Orientation / short and long answer questions, or Short Presentation / Lecturer, Record, Viva Voce		
<b>Course pre requisites:</b> To study this course, a student must have had the subject in class /12 <sup>th</sup> /Certificate / diploma. ....		



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

Research Project

<b>Programme/Class: Graduation</b>	<b>Year: 3</b>	<b>Semester: V</b>
<b>Subject: Defence and Strategic Studies</b>		
<b>Course Code: A130504R</b>	<b>Course Title: Research project- I</b>	
<b>Credits: 3</b>	<b>Core Compulsory/Elective</b>	
<b>Max. Marks: 25+75</b>	<b>Min. Passing Marks: 40</b>	
<b>Total No. of Lectures- 45</b>		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
I	The Candidate has to select and give inputs in anyone of the following. It many include..... 1. Indo – Nepal Border Security and Management 2. Study and assessment of potential cyber threat sin your area.	10
II	Involving application of knowledge in solving / analyzing / exploring Real-life situation / difficult issues related to Defence and Strategic Studies	11
III	Develop atoll 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 .....		
<b>Suggested Continuous Evaluation Methods:</b> 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.		
<b>Course pre requisites:</b> To study this course, a student must have had cleared the 4 <sup>th</sup> semester.		



**B.A. / B.Sc. III, Semester VI, Defence and Strategic Studies, Paper 01**

Programme/Class: Certificate	Year: Third	Semester: VI
<b>Subject: Defence and Strategic Studies</b>		
Course Code: A130601T	Course Title: <b>Science and Technology in Relation to Warfare (Theory)</b>	
<b>Course outcomes:</b> 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.		
<b>Credits: 4</b>		<b>Core Compulsory/ Elective</b>
<b>Max. Marks: 25+75</b>		<b>Min. Passing Marks: 33</b>
<b>Total No. of Lectures - 60</b>		
<b>Units</b>	<b>Topic</b>	<b>No. of Lectures</b>
<b>I</b>	1. Science, Technology and National Security.	07
<b>II</b>	2. Impact of Science and Technology on Society and warfare.	07
<b>III</b>	3. Transfer of Technology: a. International inter dependence b. Role of Multinational Corporations.	08
<b>IV</b>	4. Armament technology (in brief): a. Armored vehicles: Tanks and APC's b. Aircrafts , UAV's and Missile c. Submarine and Air craft carrier	08
<b>PART B</b>		
<b>V</b>	5. Electronic Warfare: Concept and applications	07
<b>VI</b>	6. Ballistic Missile Defence (BMD): Concept and applications.	7
<b>VII</b>	7. Revolution in Military Affairs (RMA)	08
<b>VIII</b>	8. Defence R & D and Defence Production in India	08
<b>Suggested Readings:</b>		
<ol style="list-style-type: none"> <li>Arcangelis, Mariode, (1990) Electronics Warfare, Ratna, New Delhi.</li> <li>Rehman, A. (1972) Science Technology and Society: New Delhi, People's Publishers House.</li> <li>Anand. A. (2003) Information Technology: The future warfare weapons: New Delhi, Ocean books.</li> <li>Baranson, Jack. (1978) Technology and the Multinationals: Lexington, Lexington Books.</li> <li>Johan Erickson (Ed.) (1966) The Military Technical Revolution: It's Impact on strategic and Foreign Policy: New York, Frederick A Prager.</li> <li>Macksey, Kenneth (1986) Technology in War: The impact of Science on weapon development and Modern Battle: NY, Prentice Hall.</li> <li>Mann T.S. (1982) Transfer and Technology: Bombay, Himalaya Publications House.</li> <li>Jasbir R.K, (1987) Hand book of military science and Armament Technology: Dehradun, Natraj Publications.</li> <li>Singer, H.W. (1988) Technology Transfer by Multinational Vol. I &amp; II: New Delhi, Ashis.</li> <li>Tiwari V.M. and Rajnikant, (1996) the high-tech war at twentieth Century: New Delhi, Vikas.</li> <li>Rajan, Y.S. (2001) Empowering India (with Economic Business &amp; Technological strengths for the twenty First Century): New Delhi, Hari Anand.</li> <li>Robert H. Latiff, (2017) Future war, Penguin R and Om House.</li> <li>मनमोहन बाला, युद्ध और सूचना एवं प्रौद्योगिकी, (2005) विकास दीप प्रा० लि०, नई दिल्ली</li> <li>मनमोहन बाला, रक्षा विज्ञान आयुध टेक्नोलॉजी (2000) प्रभात प्रकाशन, नई दिल्ली</li> <li>कालीशंकर, उपग्रह संचार प्रणाली के बढ़ते कदम बी०पी०बी० पब्लिकेशन, नई दिल्ली</li> </ol>		
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		
<b>Suggested Continuous Evaluation Methods:</b> Seminar /Presentation on any topic of the above syllabus/Research Orientation Test with multiple choice questions/short and long answer questions Attendance		
<b>Suggested Equivalent online courses:</b>		
<ul style="list-style-type: none"> <li>• Coursera</li> <li>• Swayam</li> </ul>		

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

Programme/Class: Certificate	Year: Third	Semester: VI
<b>Subject: Defence and Strategic Studies</b>		
Course Code: A130602T	Course Title: <b>Military Psychology (Theory)</b>	
<b>Course outcomes:</b> 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.		
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
<b>PART B</b>		
V	5. Discipline: Definition, purpose and tools of maintaining discipline	7
VI	6. Motivation and Morale factors and their utilization in the armed forces.	7
VII	7. Man Management: - Concept, importance and strategy vis-à-vis armed forces.	8
VIII	8. Emotional problems and adjustment during war and peace.	8
<b>Suggested Readings:</b>		
<ol style="list-style-type: none"> <li>Bartlett, F.C., (1927) Psychology and the Soldier, Cambridge, Cambridge University Press.</li> <li>Baynes, John. (1967) Morale, : A study of Men and courage London, Casse II.</li> <li>Boring, E.G., (ed.) (1945) Psychology for the Armed Services, Dehradun, Natraj Publishers.</li> <li>Chibber, M.L. (1986) Military Leadership to Prevent Military Coup, New Delhi, Lancer International</li> <li>Copel and, Norman. (1967) Psychology and the soldier, Dehradun, English Book Depot.</li> <li>Hasnain Qamar. (1967) Psychology for the fighting man, Dehradun, English Book Depot, Publishing Company.</li> <li>Lienbarger, P.M.A., (1954) Psychological Warfare, Washington, D.C. Combat Press.</li> <li>Raj Narain, (1979) Military Psychology, Agra: National Psychological Co-operation, 1<sup>st</sup> edition.</li> <li>Nidhi Maheshwar, (2016) Military Psychology: Concepts, Trends &amp; Interventions, Sage Publication India Pvt. Ltd.</li> <li>परशुराम गुप्ता, सैन्य मनोविज्ञान (2015) प्रकाश बुक डिपो, बरेली</li> <li>निरंकार प्रसाद तिवारी, सैन्य मनोविज्ञान (2015) प्रत्युष पब्लिकेशन, नई दिल्ली</li> </ol>		
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		
<b>Suggested Continuous Evaluation Methods:</b> Seminar/Presentation on any topic of the above syllabus/Research Orientation Test with multiple choice questions/short and long answer questions Attendance		
<b>Course pre requisites:</b> To study this course, a student must have had the subject ..... in class/12 <sup>th</sup> /certificate/diploma		
Suggested Equivalent online courses:		
<ul style="list-style-type: none"> <li>• Coursera</li> <li>• Swayam</li> </ul>		

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

Programme/Class: Certificate	Year: First	Semester: First
<b>Subject: Defence and Strategic Studies (Practical)</b>		
Course Code: A130603P	Course Title: Spotting Strategic Locations, Military Models, Presentations	
Credits: 2	Core Compulsory/ Elective	
Max. Marks: 25+75	Min. Passing Marks: 40	
TotalNo.ofLectures-Tutorials-Practical-30(60 hours)		
Unit	Topic	No. of Lectures
I	1. Strategic Maps of India: India and her neighbors; 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		
<b>Suggested Continuous Evaluation Methods:</b> Test with multiple choice questions/short and long answer questions, or Short Presentation/Lecturer, Record, Viva Voce/Research Orientation		
<b>Course pre requisites:</b> To study this course, a student must have had the subject ..... in class /12 <sup>th</sup> / Certificate/ diploma. ....		

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

<b>Programme/Class: Graduation</b>		<b>Year: 3</b>	<b>Semester: VI</b>
<b>Subject: Defence and Strategic Studies</b>			
<b>Course Code: A130604R</b>		<b>Course Title: Research Project- II</b>	
<b>Course outcomes:</b> Improves writing and presentation abilities of the candidate.			
<b>Credits: 3</b>		<b>Core Compulsory/Elective</b>	
<b>Max. Marks: 25+75</b>		<b>Min. Passing Marks: 40</b>	
<b>Total No. of Lectures- 45</b>			
Unit	Topics	No. of Lectures	
I	The Candidate has to select and give inputs in anyone of the following. It may include..... 1. Any Natural/Man Made disaster of you area and its management. 2. Potential threats to the city security and its management	10	
II	An intervention plan would be developed based on problem identified in the area/afield is it 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 pre-intervention 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 .....			
<b>Suggested Continuous Evaluation Methods:</b> 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.			
<b>Course pre requisites:</b> To study this course, a student must have had cleared the 4 <sup>th</sup> semester			

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