

Savitribai Phule Pune University

(Formerly University of Pune)



BSc With Major: Defence and Strategic Studies
(Faculty of Science)

Syllabus for S.Y.BSc Defence and Strategic Studies

(For Colleges Affiliated to Savitribai Phule Pune University)

As Per National Education Policy (NEP-2020)

To be implemented from

2025-2026

(For Colleges Affiliated to Savitribai Phule Pune University)

(To be implemented with effect from Academic Year 2025-2026)

Board of Studies in Defence and Strategic Studies

Savitribai Phule Pune University, Pune

S.Y.BSc. Defence and Strategic Studies Semester III					
Vertical	Credits	Course Code	Title	Total Teaching Hours	No. of Lecture per Week
Major (T)	2	DEF-201 MJT	India's Land and Maritime Boundaries Paper -I	30	2
	2	DEF-202 MJT	Introduction to Paramilitary Forces of India	30	2
Major (P)	2	DEF-203 MJP	Practical Component-III: India and its Neighboring Countries Map Reading	60	4
VSC (T)	2	DEF-221 VSC	Conceptual Aspects of National Security -I	60	4
Field Project (FP)	2	DEF-231 FP	Field Visit and Report Writing	60	4
Minor(T)	2	DEF-241 MNT	Maratha Military System -I	30	2
Minor(P)	2	DEF- 242 MNP	Visit to the Strategic Important fort	60	4
OE	2	OE--201-DEF	Internal Security Challenges for India – I	30	2
IKS(T)	2	DEF -201-IKS	Decisive Battles of Indian Military History	30	2
AEC	2		As Per the SPPU Basket	30	2
CC	2		As Per the SPPU Basket	30	2
Total Credit	22				

S.Y.BSc. Defence and Strategic Studies Semester IV					
Vertical	Credits	Course Code	Title	Total Teaching Hours	No. of Lecture per Week
Major (T)	2	DEF-251 MJT	India's Land and Maritime Boundaries -II	30	2
	2	DEF-252 MJT	Introduction to Paramilitary Forces of India	30	2
Major (P)	2	DEF-253 MJP	Practical Component-IV: World map reading	60	4
VSC (P)	2	DEF-271 VSC	Conceptual Aspects of National Security-II	60	4
CEP(P)	2	DEF-281 CEP	Community Engagement Programme	60	4
Minor(T)	2	DEF-291 MNT	Maratha Military System -II	30	2
Minor(P)	2	DEF- 292 MNP	Visit to the Peshwa-era Heritage sites	60	4
OE (T)	2	OE--251-DEF	Internal Security Challenges for India – II	30	2
SEC (T)	2	DEF -251-SEC	Strategic leadership	30	2
AEC	2		As Per the SPPU Basket	30	2
CC	2		As Per the SPPU Basket	30	2
Total Credit	22				

Abbreviations used

- POs : Program Outcomes
- PS : Program Structure
- PSOs : Program Specific Outcomes
- COs : Course Outcomes
- TLP : Teaching-Learning Process
- AM : Assessment Method
- DSC : Discipline Specific Core
- DSE : Discipline Specific Elective
- GE : Generic Elective
- OE : Open Elective

- VSC : Vocational Skill Course
- SEC : Skill Enhancement Course
- IKS : Indian Knowledge System
- AEC : Ability Enhancement Course
- VEC : Value Education Course
- OJT : On Job Training (Internship)
- FP : Field project
- CEP : Community engagement project
- CC : Co-curricular Courses
- RM : Research Methodology
- RP : Research Project
- MJ : Major Course
- MN : Minor Course

Program Duration and Exit Options

The duration of the UG Program is 4 years or 8 semesters. Students who desire to undergo a 3-year UG Program will be allowed to exit after completion of the 3rd year. If a student wants to leave after the completion of the first or second year, the student will be given a UG Certificate or UG Diploma, respectively, provided they secure the prescribed number of credits. Students who exit with a UG certificate or UG diploma are permitted to re-enter within three years and complete the degree Program. The minimum credit to be earned by a student per semester is 18 and the maximum 26 respectively. However, students are advised to earn 22-credits per semester. This provision is meant to provide students the comfort of the flexibility of semester- wise academic load. However, the mandatory numbers of credits which have to be secured for the award of Undergraduate Certificate/Undergraduate Diploma/Bachelor Degree in Defence and Strategic Studies are listed in **Table 1**.

Table1: List of award of Undergraduate Certificate/ Undergraduate Diploma/Appropriate Bachelor's Degree in Defence and Strategic Studies

S. No.	Type of Award	Stage of Exit	Mandatory Credits to be Secured for the Award
1	Undergraduate Diploma in Defence and Strategic Studies	After successful completion of Semester First year	44
2	Undergraduate Certificate in Defence and Strategic Studies	After successful completion of Semester Second Year	88
3	Bachelor in Defence and Strategic Studies	After successful completion of Third year	132
4	Bachelor in Defence and Strategic Studies (Honours)	After successful completion of Semester Fourth year	176

Objectives of the Program

The UG degree in Defence and Strategic Studies aims to provide:

1. Comprehensive knowledge and coherent understanding of the Defence and Strategic Studies.
2. Knowledge and skills in Defence and Strategic Studies and related interdisciplinary areas thereby enhancing students' employability /entrepreneurship.
3. In-depth knowledge in Defence and Strategic Studies through understanding of key concepts, principles, theories and their manifestations.
4. Critical and analytical thinking, scientific reasoning, creativity, problem-solving skills, communication skills and teamwork.
5. Competence and skill in solving both theoretical and applied problems.
6. Exposure to the latest advances in Defence and Strategic Studies, allied disciplines and research.
7. Inculcate digital skills in Defence and Strategic Studies and interdisciplinary areas.

8. Moral and ethical awareness, leadership qualities, innovation, and life-long learning.
9. Multicultural and multilingual competence, inclusive spirit, and value education.
10. Responsibility for Community engagement and service.

Program Outcomes

PO No	PO Statement	Knowledge and Skill
	After completing the Bachelor of Science Program, students will be able to-	
PO - 1	Gain a thorough knowledge and understanding of concepts and principles in Defence and Strategic Studies and other subjects.	Disciplinary Knowledge
PO - 2	Communicate the subject knowledge in a clear and simple manner in writing and oral.	Communication skill
PO - 3	Identify the given problem and apply, theories/assumptions for solving the same related to real life situations	Critical thinking & problem solving
PO - 4	Plan, execute, interpret and report the results of the experiments to investigate.	Research related skill
PO - 5	Work effectively and respectfully as a team member in the classroom, laboratory and field-based situations.	Co-operation / teamwork
PO - 6	Correlate the ideas, evidences and experiences to analyze and interpret the scientific information with learned scientific reasoning	Scientific reasoning
PO - 7	Get sensibly aware with the subject facts that can be applied for society.	Reflective thinking
PO - 8	Apply modern library search tools to locate, retrieve, and evaluate subject-related information.	Information /digitally literacy
PO - 9	Identify the subject resources required for a project and manage different projects	Self-directed learning
PO - 10	Motivate and inspire other colleagues/students in the subject- related activities.	Leadership readiness / qualities
PO - 11	Inculcate continuous learning habit through multiple Techniques	Lifelong readiness / qualities

Program Specific Outcomes

PSO No.	PSO Statement	Knowledge and Skill
	After completing the Bachelor of Science in Defence and Strategic Studies students will be able to	
PSO-1	Demonstrate comprehensive knowledge and understanding of core principles, theories, and concepts in Defence and Strategic Studies	Disciplinary knowledge
PSO-2	Apply critical thinking skills to analyze complex, evaluate experimental data, and propose innovative solutions to theoretical and practical problems in Defence and Strategic Studies	Critical thinking & problem solving
PSO-3	Utilize resources such as textbooks, scientific literature, online courses, and professional networks to pursue self-directed learning and stay abreast of recent advancements in Defence and Strategic Studies.	Self-directed learning
PSO-4	Utilize digital tools, software, and databases effectively for literature research, data analysis, simulation, and visualization in Defence and Strategic Studies.	Digitally literacy
PSO-5	Exhibit leadership qualities and interpersonal skills essential for collaboration, teamwork, and effective communication within multidisciplinary research teams and professional environments.	Leadership
PSO-6	Demonstrate readiness for professional practice or further education in chemistry by exhibiting qualities such as adaptability, resilience, professionalism, and a commitment to lifelong learning.	Readiness/qualities

Structure of S. Y. B. Sc. Defence and Strategic Studies

The detailed framework of Undergraduate Degree Program in Defence and Strategic Studies is provided in

Table 2.

Table 2 Program Structure of undergraduate degree Program in Defence and Strategic Studies
Credit Framework for Under Graduate (2024-25) (3 Subjects) for Faculty of Science and Technology

First Year (UG Degree)											
Level	Sem	Subject -1	Subject -2	Subject -3	GE/ OE	SEC	IKS	AE C	VEC	CC	Total
4.5/100	I	2(T) + 2(P)	2(T) + 2(P)	2(T) + 2(P)	2(T)	2(T/P)	2(T) (Generic)	2(T)	2(T)	—	22

	II	2(T) + 2(P)	2(T) + 2(P)	2(T) + 2(P)	2(T/P)	2(T/P)	—	2(T)	2(T)	2(T)	22
Total											44

Exit Option: Students on exit shall be awarded Undergraduate Certificate in Defence and Strategic Studies after securing the requisite 44 credits after completion of Semester II, followed by an exit 4-credit core NSQF Course(s) or Internship.

Continue Option: Students will select one subject as a major and one subject as a minor.

One subject will be dropped.

Second Year (UG Degree)													
Level	Sem	Credits Related to Major				Minor	GE/ OE	SE C	IKS	AEC	VE C	CC	Total
		Major Core	Maj or Elec tive	VS C	FP/OJ T/ CEP								
5.0/ 200	III	4(T) + 2(P)	—	2(T)	2(FP)	2(T) + 2(P)	2(T)	—	2(T) (Maj or Subj ect Spec ific)	2(T)	2(T)	2	22
	IV	4(T) + 2(P)	—	2(T)	2(CEP)	2(T) + 2(P)	2(T)	2(T)	—	2(T)	2(P)	2	22
Total													44

Exit Option: Students on exit shall be awarded Undergraduate Diploma in Major and Minor with 88 credits and additional 4-credit core NSQF Course (s) or Internship.

Continue Option: Students will continue with major and minor.

Third Year (UG Degree)													
Level	Sem	Credits Related to Major				Minor	GE/ OE	SE C	IKS	AEC	VE C	CC	Total
		Major Core	Maj or Elec tive	VS C	FP/OJ T/ CEP								
5.5/ 300	V	8(T) + 2(P)	2(T)+ 2(P)	2(T)	2(FP)	2(T)	—	—	—	—	—	—	22
	VI	8(T) + 2(P)	2(T)+ 2(P)	2(T)	4 OJT	—	—	—	—	—	—	—	22
Total													44

Exit Option: Students on exit shall be awarded UG Degree in Major after securing the requisite 132 credits after completion of Semester VI. Or Continue with Major

Fourth Year (Honours Degree with Research)													
Level	Sem	Credits Related to Major				Min or	GE / OE	SE C	I K S	A E C	VEC	CC	Total
		Major Core	Major Elective	V S C	FP/O JT/ CEP								
5.5/300	VII	6(T)+4(P)	2(T) + 2(T/P)	–	4(RP)	4(RM)	–	–	–	–	–	–	22
	VIII	6(T)+ 4(P)	2(T) + 2(T/P	–	8(RP)	–	—	–	—	—	—	—	22
Total													44

Students on exit shall be awarded Bachelor of Science (Honours with Research Degree) after securing the requisite 176 credits after completion of Semester VIII.

Fourth Year (Honours Degree with Research)													
Level	Se m	Credits Related to Major				Minor	GE / OE	SE C	IK S	AE C	V E C	C C	Total
		Major Core	Major Elective	VSC	FP/OJT/ CEP								
6.0/ 400	VII	10T)+4(P)	2(T) + 2(T/P)	–	-	4(RM)	–	–	–	–	–		22
	VIII	10(T)+ 4(P)	2(T) + 2(T/P)	–	4(OJT)	–	—	–	—	—	—		22
Total 44													

Students on exit shall be awarded Bachelor of Science (Honours Degree) after securing the requisite 176 credits after completion of Semester VIII.

General guidelines for the selection of subjects

1. Student has to choose three subjects from the same faculty in first year and at the start of In the second year he/she has to opt for one subject as Major subject and one (from other two subjects) as Minor subject and the last one will be dropped by the students.
2. Students cannot select a subject as major or minor other than the subjects taken in first year.
3. OE is to be chosen compulsorily from faculty other than that of the major.
4. SEC to be selected from the basket of Skill courses approved by the university.
5. VSC, FP/OJT/CEP should be related to the major subject.
6. AEC, VEC, IKS (Generic), and CC will be provided by the university separately.

Teaching-Learning Process

- a. The courses will be taught through the traditional chalk and talk method, laboratory work, ICT enabled teaching learning tools, project work, seminars, case studies, field work, internships, hands-on training, etc.
- b. Students will be engaged in various student centric activities like experiential learning, problem solving methodologies, participative learning and ICT based teaching learning process.

- c. ICT tools in Basic and Advanced Defence and Strategic Studies software will be used to make the teaching learning process efficient and engaging.
- d. Critical, analytical and problem-solving abilities will be developed through project based learning, internships, industrial visits and hands-on training.
- e. The problem-solving methodologies like quizzes, review of books and research papers, workshops, and research-based competitions will be used.
- f. The vocational and skill training will be done through vocational and skill-based courses.
- g. The students will be introduced to advanced laboratory instruments for hands-on training.

Methods of Assessment

The primary objective of assessment will be to assess the learning outcomes of the course in tune with the broad outcomes of strengthening core theoretical knowledge base, practical laboratory skills, and research. Assessment will be based on continuous evaluation methods and end of semester examination of Savitribai Phule Pune University, Pune.

Continuous Internal Evaluation:

During a semester, students' mastery of the various learning outcomes as described in the syllabus will be assessed through like Short Questions, Class Tests, Seminars, Presentations, Group Discussion, Quizzes, MCQs, Assignments, Tutorials, Project work, etc. Each theory paper and practical paper will have 15 marks for internal assessment for 2 credit courses and 30 marks for internal assessment for 4 credit courses.

End Semester University Examinations:

The end-semester university examinations will be conducted for both theory and practical courses. Besides internal assessment, both theory paper and practical paper will be of 35 marks each (2 credit course) and 70 marks (4 credit course) for end of semester examination of the university.

Note: For open elective subjects, the examination should be conducted in both Marathi and English

Scheme of Examination:

The total marks for a 2-credits course are 50, and for a 4-credits course is 100.

Internal exams will be conducted by the college and external exams will be conducted by Savitribai Phule Pune University, Pune at the end of each semester.

Important for Practical Course:

- a. e. It is mandatory to have a certified journal during the practical examination.
 - b. Use molar concentrations for volumetric/ estimation / synthesis experiments.
 - c. Use optimum concentrations and volumes.
 - d. Two burette methods should be used for volumetric analysis. (Homogeneous mixtures)
- Use of microscale technique is recommended wherever possible

The Savitribai Phule Pune University as part of National Education Policy 2020 will adopt a Four Year Program in the Department of Defence and Strategic Studies from the academic year 2024. This course is open to students who have completed 10+2 schooling from any stream. The course will provide a multi-disciplinary foundation for an overall perspective on India's National Security, Defence and Strategic Studies, at the undergraduate level, with the scope of further specialization at the post graduate level to inculcate a holistic and interdisciplinary orientation towards Security and Strategic Studies.

The programme is formulated over ten semesters to provide wide ranging perspectives, encourage analytical skills and understanding for resolving crucial problems confronted by contemporary society. The 3- year B. A./B. Sc. Eight semesters, the students who successfully complete Six semester courses will be provided with an exit option after 3 years with 132 credits and B. Sc. degree. and for the students with 176 credits. Bachelor of Science in Defence and Strategic Studies (Honours)

Vision

The course aims to develop a creative, enlightened and productive civil society through achieving a center of excellence in higher education with an innovative focus on teaching, learning, research, consultancy and extension activities so as to help in the field of Defence, Strategic Studies and National Security.

Mission

To provide students with knowledge, strategic skill, values, and sensitivity that is necessary for becoming a good citizen. To generate and disseminate knowledge through interdisciplinary research and creative inquiry for creating a meaningful and sustainable society. To equip the students with problem solving, leadership and team-work skills

and to inculcate in them a sense of commitment to quality, ethical behavior and respect for others. To provide a platform for free flow of ideas and to create a climate that fosters discovery, creativity and professional development. To ensure academic excellence in the contemporary global security environment by exposing the students to new ideas, new ways of understanding, new ways of knowing in their intellectual and Strategic Thinking.

The Relevance of an Undergraduate Program:

The mandate of Savitribai Phule Pune University demands that the University provides quality education. The need for an integrated course is also felt due to growing richness of various disciplines in terms of ongoing developments in research and specialization. Today, for instance, National Security and Strategic Studies has emerged as a vibrant field of specialization. The changing character of disciplines demands a dynamic and comprehensive syllabus. The Five Year –Integrated MA/MSc course is an attempt to achieve the desired dynamism in the advanced training in National Security and Strategic Studies. Some of the **Skills that students develop are:**

Analytical skills: Students learn how to collect, process, and interpret data and information from various sources and perspectives, and how to use them to support arguments and judgments.

Critical thinking Skills: Students learn how to question, challenge, and evaluate assumptions, claims, and evidence, and how to identify and avoid logical fallacies and biases.

Communication skills: Students learn how to express, present, and debate their ideas and opinions effectively and persuasively, using various modes and media.

Interpersonal skills: Students learn how to work collaboratively and respectfully with others, and how to appreciate and accommodate diversity and difference.

Problem-solving skill: Students learn how to identify, analyze, and propose solutions to complex and real-world problems, and how to anticipate and address potential challenges and risks.

Method of Assessment

This is a full time Programme, with English as the medium of instruction. For assessment this will follow the CBCS system. This continuous evaluation system has two section

-Internal Assessment (30%) -

Assignments, Dissertation, Term Papers, Field Visit Report and Seminars – and External Assessment and semester examination (70%). Regular assignments/ seminars/ workshops on a weekly-basis will enhance not only perceptions but also comprehension, writing and analytical skills.

Method of Teaching - The Course utilizes a variety of instructional methods, including classroom interaction, tutorials, study of classical texts, case method, debates, field visits, open book method, round table, discussion panel, online learning, Problem based learning, simulation, problem formulation, database searches, comparative studies, preparation of monograph, oral presentation, tutoring, text analysis, problem solving, library work and discussions. Special lectures by eminent scholars are envisioned to expose students to some of the best minds in the field. Seminars, webinars and discussion panels on select subjects would be ongoing throughout the Programme.

Semester: III S.Y.BSc Defence and Strategic Studies

Name of the Programme :	:	SYBSc (Defence and Strategic Studies
Class	:	SYBSc
Semester	:	III
Name of Vertical Group	:	Major Core
Course Code	:	DEF-201 MJT
Course Title	:	India's Land and Maritime Boundaries -I
Type of course	:	Theory
Total Credits	:	2
Workload	:	2 credits x 15 hours = 30 hours in semester

Objectives

- 1) Being a student of Defence and Strategic Studies Students must aware about the land and Maritime boundaries of our country
- 2) To literate the students about overall Nature, Problems, and Significance of our boundaries

Teaching Methods

- 1) Lectures with PPT and Some of the Guest Lectures
- 2) Explanation with the help of relevant maps / Sketches
- 3) Interaction, Group Discussion and Question Answers
- 4) Field trip to nearest border area Subject to availability of Funds and Permission from the relevant authority.

Outcomes From This Course

- 1) Students will certainly be benefitted by the study of India's land and Maritime boundaries
- 2) Students will be literate about overall nature, problems and the present status of our land and Maritime boundaries.
- 3) The Surrounding knowledge of boundaries will enhance the confidence to appear competitive exams and to join the post graduate studies in this discipline.

Unit 1. India's Land Borders

(15 Lectures)

- 1.1 Meaning, Definition and Concepts
- 1.2 Frontiers
- 1.3 Border
- 1.4 Boundaries
- 1.5 Line of Actual Control

Unit 2. India's Western Land Boundary : An Evaluation

(15 Lectures)

- 2.1 Historical and Geographical Background of Border Area
- 2.2 Socio-Cultural Scenario
- 2.3 Nature of Population
- 2.4 Status of Transportation and Communication

Unit 3. India's Northern Land Boundary:- An Evaluation

(15 Lectures)

- 3.1 Historical and Geographical Background of Border Area
- 3.2 Socio-Cultural Scenario
- 3.3 Nature of Population
- 3.4 Status of Transportation and Communication

Unit 4. Security Problems of India's western and northern boundaries (15 Lectures)

4.1 Nature of Disputes with Pakistan and its Status

4.2 Nature of Disputes with China and its Status

References

- 1) Abhyankar M. G., " Defence Principle and Organisation", Usha publication, S.P.Pune University Ganeshkhind, 1974
- 2) Chatterjee R. K., "India's land borders problems and Challenges" sterling publications, New Delhi 1970.
- 3) Sali M. L., " India China Border Dispute", A P H, Ansari Road, New Delhi, 1998
- 4) Norman J. G. and Pounds, "Political Geography", McGraw Hill Book Company, New york, London, 1965
- 5) Sukhwai B. L , " India- A Political Geography", Allied publisher,Mumbai, 1971.
- 6) Sukhwai B. L., " Modern Political Geography of India" Allied publisher, 1981
- 7) Sali M. L., " Military Geography ", Manas Publications, New Delhi, 2009
- 8) Sali M. L., "India China Relations", APH Publishing Corporate, New Delhi, 2009
- 9) Krishnrao Rao K (General Raks) Prepare or Perish - "A study of National Security ", London Publisher, New Delhi, 1991.
- 10) Chatterjee R. K , " India's Land Borders : "Problems and Challenges," Bhartiya Vidya Bhavan, Mumbai, 1966
- 11) Shaktikant Pitre (Major General Retd.) , Domel To Kargil, (Marathi) Rajhans publication, pune, 2016
- 12) Nair Balkrishna, " Facts of Indian Defence" S. Chand and Company, Ramnagar, New Delhi, 1983

Name of the Programme :	:	SYBSc (Defence and Strategic Studies
Class	:	SYBSc
Semester	:	III
Name of Vertical Group	:	Major Core
Course Code	:	DEF-202 MJT
Course Title	:	Introduction to Paramilitary Forces of India
Type of course	:	Theory
Total Credits	:	2
Workload	:	2 credits x 15 hours = 30 hours in semester

Objectives:

1. To familiarize students with paramilitary forces, their meaning, categories and significance.
2. To comprehend the structure, powers, and responsibilities of the Ministry of Home Affairs in managing paramilitary forces.
3. To clearly distinguish between various defence related organization and their responsibilities.
4. To grasp the importance and implication of integrated border security policy.

Course Learning Outcomes:

1. Students will clearly define paramilitary forces and differentiate them from the armed forces.
2. Students will gain an understanding of CAPF ranks, structure and entry procedures.
3. Students will be able to explain the mandate of Paramilitary forces in border management.

Teaching Methods:

1. The teaching will include classroom lectures accompanied with and Videos wherever required.
2. Students will be given articles to read and will be asked to make Presentations or group discussion based on the nature of the subject.
3. The guest lecturers of experts on the subject will be organized.

	Period
Unit I: Foundations of India's Defence and Security Architecture	15
1.1 Defence and Security Policies: Concept, Formulation, Objective and Linkage	
1.2 Organization of Ministry of Defence	
1.3 The Indian Armed Forces: Role and Responsibility	
Unit II: The Indian Army	15
2.1 Historical background and Evolution of the Indian Army	
2.2 Organizational Structure of the Indian Army	
2.3 Ranks, Commands and Regiments of the Indian Army	
2.4 Special Forces of the Indian Army	
Unit III: The Indian Navy	15
3.1 Historical background and Evolution of the Indian Navy	
3.2 Organizational Structure of the Indian Navy	
3.3 Ranks and Commands of the Indian Navy	
3.4 Special Forces of the Indian Navy	
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Unit IV: The Indian Air Force**15**

4.1 Historical background and Evolution of the Indian Air Force

4.2 Organizational Structure of the Indian Air Force

4.3 Ranks and Commands of the Indian Air Force

4.4 Special Forces of the Indian Air Force

Readings:

Banerjee Gautan, India's National Defence Policy: Defining Defence Reform and Military Moderations, Nirali Prakashan, New Delhi, 2016.

Pant Harish V, Handbook of India's Defence Policy: Theme structure and doctrine, Routledge India, 2017.

Venkataraman R, India's Higher Defence Organization and Management, KW Publisher, New Delhi, 2011.

Bharat Karnad, India's Nuclear Policy, Oxford University Press, 2008. (For understanding defence strategy context and strategic policies)

Rajesh Rajagopalan, Defense Planning in India: Problems and Prospects Routledge India, 2015.

Maj. Gen. Raj Mehta (Retd) Indian Defence Forces – Structure, Recruitment & Training Knowledge World Publishers, 2019. (Excellent for organizational details, ranks, and training of the armed forces)

U.C. Jha, Paramilitary Forces of India, Vij Books, 2015. (Covers roles, organization, and challenges of paramilitary forces in India)

Pushpita Das, India's Border Management: Select Issues and Concerns Institute for Defence Studies and Analyses (IDSA), 2011. (For deeper understanding of border guarding forces and internal security)

C. Christine Fair, Fighting to the End: The Pakistan Army's Way of War Oxford University Press, 2014. (Good background on India's military strategy with regional context)

Online Resource:

Organization Structure: available at , <https://mod.gov.in/dod/organizationstructure>

Ministry of Defence Official Website:

<https://mod.gov.in/dod/organizationstructure>

Ministry of Home Affairs (CAPF details):

<https://www.mha.gov.in/>

Institute for Defence Studies and Analyses (IDSA):

<https://www.idsa.in/>

Name of the Programme :	:	SYBSc (Defence and Strategic Studies
Class	:	SYBSc
Semester	:	III
Name of Vertical Group	:	Major Core
Course Code	:	DEF-203 MJP
Course Title	:	Practical Component-III: India and its Neighboring countries Map Reading
Type of course	:	Practical
Total Credits	:	2
Workload	:	2 credits x 30 hours = 60 hours in semester

Course Objectives:

1. This course designed to understand the concepts of nation, nation state, territory, sovereignty, population and government and their interrelationships
2. This course will teach how to use mind maps and concept maps as tools for organizing and presenting information
3. This course will help to apply mind maps and concept maps to analyze the characteristics and challenges of different nations and nation-states

Course Learning Outcomes:

1. Students can explain the concepts of nation, nation-state, territory, sovereignty, population and government and their interrelationships
2. Students can create mind maps and concept maps using appropriate software or online tools

3. Students can compare and contrast different nations and nation states using mind maps and concept maps. Mind mapping will help students to learn brainstorming sessions, visualizing concepts and improving critical thinking.

Teaching Methods:

1. The teaching will include classroom lectures accompanied with and videos wherever required.
2. Students will be given articles to read and will be asked to make a presentation or group discussion based on the nature of the subject.
3. The guest lectures of experts on the subject will be organized.

Unit 1. Practical component-III: India and its Neighboring countries land Map Reading

- 1.1 Land Map reading of India from the 11th century to 19th Century
- 1.2 Land Map reading of China from the 11th century to 19th Century
- 1.3 Land Map reading of South Asian countries from the 11th century to 19th Century

Unit 2. Unit 1. Practical component-III: India and its Neighboring countries Sea Map Reading

- 1.1 Maritime Map reading of India from the 11th century to 19th Century
- 1.2 Maritime Map reading of China from the 11th century to 19th Century
- 1.3 Maritime Map reading of South Asian countries from the 11th century to 19th Century

Name of the Programme :	:	SYBSc (Defence and Strategic Studies)
Class	:	SYBSc
Semester	:	III
Name of Vertical Group	:	VSC
Course Code	:	DEF-221 VSC
Course Title	:	Conceptual Aspects of National Security - I
Type of course	:	Theory
Total Credits	:	2
Workload	:	2 credits x 30 hours = 60 hours

Objectives-

1. Understand the meaning, nature, and scope of national security and its distinction from national defence.
2. Identify key elements shaping national security, including geography, economy, politics, and technology.
3. Analyze contemporary security threats at national, regional, and global levels.
4. Examine the role and impact of military alliances like NATO, the Warsaw Pact, and CSTO.
5. Encourage strategic thinking and assess how security perceptions influence policy and international relations

Course Learning Outcomes-

By the end of the course, students will be able to:

1. Explain the meaning, nature, and scope of national security and distinguish it from national defence.
2. Identify key elements influencing national security: geography, economy, politics, and technology.
3. Analyze contemporary security threats at national, regional, and global levels.
4. Evaluate the role and significance of military alliances like NATO, the Warsaw Pact, and CSTO.
5. Apply strategic thinking to understand how security perceptions shape policies and international relations.

Teaching Methods:

1. The teaching will include classroom lectures accompanied with and Videos wherever required.
2. Students will be given articles to read and will be asked to make Presentations or group discussion based on the nature of the subject.
3. The guest lecturers of experts on the subject will be organized.

Unit- 1 National Security (15 Hrs.)

- 1.1- Introduction
- 1.2- Meaning, Concept
- 1.3- Nature and Scope
- 1.4- Difference between National Security and National Defence

Unit- 2 Elements of National Security. (15 Hrs.)

- 2.1- Geography
- 2.2- Natural Resources and Raw Material
- 2.3- Social, Political and Economic Factors
- 2.4- Scientific and Technological Development
- 2.5- Defence Preparedness

Unit- 3 Concept of National Security with special reference to contemporary thinking.(15 Hrs.)

- 3.1 -Introduction
- 3.2- National Defence
- 3.3- Threats Perception
- 3.4- Regional Security
- 3.5- Global Security

Unit- 4 Military Alliances and their role in the 21st century. (15 Hrs.)

- 4.1 - Introduction
- 4.2- Meaning and Significance
- 4.3- NATO, WARSAW Pact.and Collective Security Threats Organisation (CSTO)
- 4.4- Security and Contemporary World.

Reference -

- Baylis, J., Smith, S., & Owens, P. (Eds.). (2020). *The globalization of world politics: An introduction to international relations* (8th ed.). Oxford University Press.
- Buzan, B. (2008). *People, states and fear: An agenda for international security studies in the post-cold war era* (2nd ed.). ECPR Press.
- Kavic, L. J. (1967). *India's quest for security: Defence policies, 1947–1965*. University of California Press.
- Paleri, P. (2008). *National security: Imperatives and challenges*. Tata McGraw-Hill.
- Raman, B. (2007). *Intelligence: Past, present & future*. Lancer Publishers.
- Subrahmanyam, K. (Ed.). (1972). *Security in the modern world*. ABC Publishing.
- Tanham, G. K. (1992). *Indian strategic thought: An interpretive essay*. RAND Corporation.
- Tellis, A. J., Fair, C. C., & Medby, J. J. (2001). *Limited conflicts under the nuclear umbrella: Indian and Pakistani lessons from the Kargil crisis*. RAND Corporation.
- Walt, S. M. (1987). *The origins of alliances*. Cornell University Press.
- Yarger, H. R. (2006). *Strategic theory for the 21st century: The little book on big strategy*. Strategic Studies Institute.

Name of the Programme :	:	SYBSc (Defence and Strategic Studies)
Class	:	SYBSc
Semester	:	III
Name of Vertical Group	:	FP
Course Code	:	DEF-231 FP
Course Title	:	Field Visit and Report Writing
Type of course	:	Field Project
Total Credits	:	2
Workload	:	2 credits x 30 hours = 60 hours in semester

Objectives-

- 1.To give hands-on experience and practical training to students in different sectors related to Defence and Strategic Studies
2. To develop marketable skills among students and to apply their knowledge in real situations
3. To expose students to different industrial, educational and research institutes and future employers and help them gain experience in writing technical reports

Course Learning Outcomes-

1. Gain practical exposure by conducting field visits to various Security locations, observing and analyzing natural, urban, and socio-economic environments.
- 2 : Develop essential research skills by applying field-based data collection techniques, mapping, surveys and interviews.
- 3 : Improve technical writing skills by preparing a structured field report that includes research objectives, methodology, data analysis, and observations.
- 4 : Cultivate industry-relevant skills through hands-on training, field exposure, and interactions with professionals in education, research, and various sectors.

Guidelines of Field Visit and Report Writing

1. A field visit to a Military area should be conducted in pre-approved locations that provide opportunities to observe and analyze security phenomena, including military landscapes, or socio-economic settings.
2. Faculty members will provide guidance and supervision throughout the field visit. Students must adhere to their instructions.
3. Students are required to actively participate in data collection, group discussions, and assigned tasks while working effectively with peers and supervisors.
4. Students must submit a field report, highlighting their observations about the security phenomena studied.
5. The field report should follow the prescribed format, including Title Page, Table of Contents, Introduction, Objectives, significance of the study, Study Area, Methodology, Techniques and tools used for data collection, Observations, Description, Major findings and Summary.
6. Maps, Graphs, Diagrams and Geotagged photographs should be included in the final report. The final field report should be submitted in both printed and digital formats to the department.

Name of the Programme :	:	SYBSc (Defence and Strategic Studies
Class	:	SYBSc
Semester	:	III
Name of Vertical Group	:	Minor (T)
Course Code	:	DEF-241MNT
Course Title	:	Maratha Military System -I
Type of course	:	Theory
Total Credits	:	2
Workload	:	2 credits x 15 hours = 30 hours in semester

Objective

The course focused on the war history of the Maratha' s. The emphasis is on the strategies and tactics used and approaches to war specific battle would be used as illustration for the study.

- 1) To learn about Chhatrapati Shivaji' s Military System.
- 2) To gain Knowledge of Military System of Marathas

Teaching Methods

- 1) PPT
- 2) Explanation with the help of Historical sketches, Maps and relevance literature.
- 3) Introduction / Group discussion
- 4) Field Trip to the nearest fort. subject to permission and availability of forts.

Subject Outcomes

- 1) Students will be literate / aware about our historical forts Heroic deeds
- 2) Students will be inspired from our gallants historical background.
- 3) This will help the students to enhance their knowledge.

Unit 1. Rise of Maratha power

- 1.1) Evaluation of Geographical, Socio- Cultural, Religious, Political and Economic Circumstances / Situation of Maharashtra before the birth of Chhatrapati Shivaji.
- 1.2) Role of Jijabai and Dadoji Kondadev in making of Chhatrapati Shivaji Maharaj.

Unit 2. Origin of Idea of Hindavi Swarajya

- 2.1) Origin and Idea of Hindavi Swarajya
- 2.2) Oath at Raireshwar and its impact
- 2.3) Common masses and Rise of National Army.

Unit 3. Military System of Maratha during Chhatrapati Shivaji Maharaj era.

- 3.1) Contemporary Armies of various ruler's
- 3.2) Structure of Armed forces and various Branches of Armed forces
- 3.3) Chhatrapati Shivaji Maharaj as a Military Leader.
- 3.3) Chhatrapati Shivaji as Master of Guerrilla Tactics

Unit 4. Defence and Security Management During Chhatrapati Shivaji Maharaj era

- 4.1) Meaning and difference between Defence and Security
- 4.2) Weapon system
- 4.3) Security management of forts During Chhatrapati Shivaji era

References

- 1) Sarkar J. N. , Shivaji and his Times, Orient longman, New Delhi, 1960
- 2) Kulkarni A. R., The History of Maratha' s, (1600-1848)
- 3) Pitre K.G., War History of the Maratha's Pune, 1998
- 4) Apte B. D., History of Maratha Navy, Bombay, State Board of literature and culture, 1973

5) पित्रे का. ग., हिंदुस्थानचा संक्षिप्त इतिहास, नवचैतन्य प्रकाशन मुंबई, 1992

6) डॉ. रोडे सोमनाथ, मराठ्यांचा इतिहास, पिंपळापुरे अँड कंपनी, पब्लिशर्स नागपूर, 1998

7) कृ. अ. केळुसकर, छत्रपती शिवाजी महाराज, 1996

8) प्रा. गफूर शेख, मराठ्यांचा इतिहास,

Name of the Programme :	:	SYBSc (Defence and Strategic Studies
Class	:	SYBSc
Semester	:	III
Name of Vertical Group	:	Minor (P)
Course Code	:	DEF-242 MNP
Course Title	:	Visit to the Strategic Important Fort
Type of course	:	Practical
Total Credits	:	2
Workload	:	2 credits x 30 hours = 60 hours in semester

Objectives:

- 1.To enable the students to apply their understanding of the basic concept of Strategic important Fort
2. To understand the various dimensions of Fort.

Learning Outcomes:

1. Students will know how to apply the concepts learned in class in the actual process of Administration of Fort
2. The students will know the structural differences in the Fort
3. The students will gain practical understanding of the Fort

Activity 1: Visiting a Fort and writing a report on their administration policies and practices**Process of Activity:**

1. Students should go to Fort
- 2.Each student has to complete these activities under the guidance of a Guide/Mentor. The Department of Defence and Strategic Studies will allot the students respective Guides/Mentor. The Department of Defence and Strategic Studies may also appoint guides/mentors from other faculties or subject related areas.
3. Students have to choose the topic of activity in consultation with the teacher/guide/mentor.
- 4.After the study, the student has to submit One separate reports. The report write-up must include photographs, newspaper clippings, images for the support of study. Students can give graphs, tables for statistics.
5. The report will contain objective, observation and conclusions.
6. After the approval letter from the Guide/Mentor, the students can submit the report to the

Defence and Strategic Studies Department.

7. After submission of the report, the department will conduct an interview of students or arrange a presentation in the classroom.

8. Assessment will be done on the basis of a report and interviews/presentation.

9. Assessment will be divided into Mid Semester Examination (15 marks) and Semester Examination (35 marks)

10. Mid semester examination activity proposal will be 10 marks and proposal presentation will be 5 marks.

11. Semester Examination activity reports will be 20 marks and the interviews/ presentation will be 15 marks.

Name of the Programme :	:	SYBSc (Defence and Strategic Studies)
Class	:	SYBSc
Semester	:	III
Name of Vertical Group	:	OE
Course Code	:	OE-201 DEF

Course Title	:	Internal Security Challenges for India – I
Type of course	:	Theory
Total Credits	:	2
Workload	:	2 credits x 15 hours = 30 hours in semester

Objectives

- 1) The objective of this paper is to literate our students about internal security problems
- 2) While studying this internal security problems to find out the root causes of this internal security problem
- 3) To make aware our students about the issue which has multidimensional scope & its relevance with our National Security

Teaching Method :

- 1) Lecturers with PPT as well as group discussion.
- 2) Explanation with the digital board sketches, videoclips and newspaper clippings
- 3) Guest lectures by Eminent Persons along with Interactions with session

Learning Outcome :

Students will become aware about overall problems of internal security along with various dimensions and solution on it

Unit 1. Socio-cultural, Politico-Economic & Geographical dimensions of India's Internal Security (15 Hrs.)

- a) Meaning & concept of internal security problems
- b) Socio-cultural & economic dimensions of Internal Security
- c) Political & Geographical dimensions of Internal Security

Unit 2. Regionalism in India (15 Hrs.)

- a) Introduction
- b) Meaning
- c) Concept
- d) Causes of Regionalism
- e) Type of Regionalism (Language, Religious, Political, Financial,...)
- f) Effect of Regionalism on National Security

Unit 3. Casteism in India (15 Hrs.)

- a) Introduction
- b) Meaning
- c) Concept
- d) Nature of Casteism
- e) Communal Tensions & Riots :- As a Threat to Internal Security
- f) Impact of Casteism on India's Internal Security

Unit 4. Social Problems in India and Its implications on National Security (15 Hrs.)

- a) Introduction

- b) Poverty & Illiteracy
- c) Foreign Influx
- d) Gender Issue
- e) Corruption
- f) Population

References –

- 1) Bajpai K.P., Pant V.P., India's National Security, Oxford Publication, New Delhi, 2013.
- 2) Bajpai U.S., India's Security, Lancer Publication, Delhi, 1983.
- 3) Buzan Barry, People States & Fear, The National Security Problem in International Relation, Trance Asia Publisher, New Delhi, 1983.
- 4) Chaudhari A.P., Chaudhari Archana, India's National Security, Prashant Publication, Jalgaon, 2003.
- 5) Dharmadhikari K.D., Vispute Devendra, Valvi Arun, "India's Internal Security", Prashant Publication, Jalgaon, 2014.
- 6) Dixit Arunkumar and kumar Pankaj, Nakshalwad: Mudde, Chunotia Evam vikalp, Satyam Publishing House, New Delhi, 2014.
- 7) Ghosh P.A., Das Manojit, Camouflage Warfare of Modern Era: The Future of Cyber Warfare, Shiva Prakashan, Indore, 2017.
- 8) Gupta Arvind, How India Manages its National Security, Viking Publication, New Delhi, 2018.
- 9) Jadhav V. Y., Bhartachj Rashtriya Suraksha, Snehavardhan Publication, Pune, 2011
- 10) Jadhav V.Y, India's Internal Security, Atharva Publication, Jalgaon, 2014.
- 11) Khare Vijay S., Rashtriya Surkshe Pudhil Aavhane, Sumedh Prakashan, Pune, 2006
- 12) Kumar Arun, Network Security, Laxmi Publication, New Delhi, 2011.
- 13) Singh Ashok Kumar, Rashtriya Suraksha, Prakash Book Depot., Bareilly, 2013.
- 14) Sing Ashok kumar, Rashtriya Raksha evam Surksha. Prayag Pustak Sadan, Allahabad 1989.
- 15) Singh Jasjit, India's Security in Turbulent World, National Book Trust, New Delhi, 2013.
- 16) Ternikar Sulbha, Borjes Johnson, "Diamond's Social Dictionary, Diamond Publication, Pune, 2008.
- 17) Udagavakr M.N., Ekvisaya Shatkatil Dahashatwad, Diamand Publication, Pune, 2013.
- 18) Vappala Balachandran, National Security and Intelligence Management: a new Paradigm, Published by Indus Source Book, Mumbai, 2014.

Name of the Programme :	:	SYBSc (Defence and Strategic Studies)
Class	:	SYBSc
Semester	:	III
Name of Vertical Group	:	IKS

Course Code	:	DEF-201 IKS
Course Title	:	Decisive Battles of Indian Military History- I
Type of course	:	Theory
Total Credits	:	2
Workload	:	2 credits x 15 hours = 30 hours in semester

Objectives :-

This course is focused mainly on how this decisive battle has a long-term implication on contemporary India. By studying this paper students will be literate about the art of warfare introduced by Greeks, Turks, Afghans & Mughals. This paper will be enhanced the knowledge of the students.

Teaching Methods

- i) PPT
- ii) Explanation with the help of Historical Sketches, Maps and relevance literature.
- iii) Group Discussion / Home ASSIGNMENT...etc.

Subject Outcomes

- i) Students will be literate about Decisive Battles of Indian Military History along with its significance.
- ii) This Course will help to the students to enhance their knowledge.

(I) Indo-Greek art of war with special reference to the Battle of Jhelum (326 B.C.)

- (a) Causes of Battle
- (b) Analysis of causes of Defeat of Porus
- (c) Significance of Battle in Indian Context

(II) Turk art of war with Special reference to the Battle of Tarain

- (a) First Battle of Tarain 1191 A.D.
- (b) Second Battle of Tarrain 1192 A.D.
- (c) Causes of Battle
- (d) Analysis of Causes of Defeat of Prithviraj Chauhan
- (e) Significance of Battle.

(III) Mughal art of war with special reference to First Battle of Panipat 21st of April, 1526 A.D.

- (a) Causes of Battle
- (b) Analysis of causes of Defeat of Sultan
- (c) Significance of Battle in Indian Context

(IV) Indo-Afghan art of war with special reference to the Third Battle of Panipat 14th of January 1761 A.D.

- (a) Causes of war
- (b) Analysis of causes of Defeat of Maratha (Indian)
- (c) Significance of Battle in Indian Context

References :

1. B. K. Majumdar, The Military System in Ancient India, Life Span Publishers and Distributors, India, 2020
2. J. N. Sarkar, Military History of India, Jan. 2019
3. Uma Prasad Thapliyal, Military History of India, Rupa Publications, India, 2018
4. William Erskine John Leyden, Memories of Babur, Alpha Edition Publisher, India, 2020
5. William Irvine, The Army of the India Moghals, It's Organizatrion and Administration,
6. F. S. Bajwa, The Military System of Sikh, Carcatta, Rupa and and Company, 1969.

Semester: IV S.Y.BSc Defence and Strategic Studies

Name of the Programme :	:	SYBSc (Defence and Strategic Studies)
Class	:	SYBSc
Semester	:	IV

Name of Vertical Group	:	Major Core
Course Code	:	DEF-251 MJT
Course Title	:	India's Land and Maritime Boundaries -II
Type of course	:	Theory
Total Credits	:	2
Workload	:	2 credits x 15 hours = 30 hours in semester

Objectives

- 1) Being a student of Defence and strategic studies must aware about the land and Maritime boundaries of our country
- 2) To literate the students about overall Nature, Problems, and Significance of our boundaries

Teaching Methods

- 1) Lectures with PPT Some of the Guest Lectures
- 2) Explanation with the help of relevant maps/sketches
- 3) Interaction group discussion and question answers
- 4) Field trip to nearest border area Subject to availability of Funds and Permission from the relevant authority.

Outcomes from this Course

- 1) Students will certainly be benefitted by the study of India's land and Maritime boundaries
- 2) Students will be literate about overall nature, problems and present status of our land and Maritime boundaries.
- 3) The Surrounding knowledge of boundaries will enhance the confidence to appear competitive exams and to join the post graduate studies in this discipline.

Unit 1. India's North East Land Borders / Boundaries

(15 Lectures)

- 1.1 Historical and Geographical background of Border Area
- 1.2 Socio-Cultural scenario
- 1.3 Nature of Population

1.4 Status of Transportation and Communication

Unit 2. Study of Indo-Myanmar Boundary (15 Lectures)

2.1) Physical contiguity and nature of Indo-Myanmar boundary

2.2 Maintenance of Indo- Myanmar border: - problems and possible solutions and its status

Unit 3. Study of Indo- Bangladesh Boundary (15 Lectures)

3.1) Physical contiguity and nature of Indo-Bangladesh boundary

3.2) Problems of maintenance of Indo- Myanmar border problems and possible solutions and its status

Unit 4. Study of India's Maritime Boundaries (15 Lectures)

4.1) Nature and Historical Background of India's Maritime boundaries

4.2 Nature and Dispute of India's Maritime boundaries

4.3 Maritime Boundaries

a) Territorial Water

b) Continental Sea

c) Exclusive Economic Zone

4.4 India's Maritime Security and Interest

4.5 India's Maritime strategy

References

1) Abhyankar M. G., " Defence Principle and Organisation", Usha publication, S.P.Pune University Ganeshkhind, 1974

2) Chatterjee R. K., "India's land borders problems and Challenges" sterling publications, New Delhi 1970.

3) Sali M. L., " India China Border Dispute", A P H, Ansari Road, New Delhi, 1998

4) Norman J. G. and Pounds, "Political Geography", McGraw Hill Book Company, New york, London, 1965

5) Sukhwai B. L. , " India- A Political Geography", Allied publisher, Mumbai, 1971.

6) Sukhwai B. L., " Modern Political Geography of India" Allied publisher, 1981

- 7) Sali M. L., " Military Geography ", Manas Publications, New Delhi, 2009
- 8) Sali M. L., "India China Relations", APH Publishing Corporate, New Delhi, 2009
- 9) Krishnrao Rao K (General Raks) Prepare or Perish - "A study of National Security ", London Publisher, New Delhi, 1991.
- 10) Chatterjee R. K , " India's Land Borders : "Problems and Challenges," Bhartiya Vidya Bhavan, Mumbai, 1966
- 11) Shaktikant Pitre (Major General Retd.) , Domel To Kargil, (Marathi) Rajhans publication, pune, 2016
- 12) Nair Balkrishna, " Facts of Indian Defence"
S. Chand and Company, Ramnagar, New Delhi, 1983

Name of the Programme :	:	SYBSc (Defence and Strategic Studies
Class	:	SYBSc
Semester	:	IV
Name of Vertical Group	:	Major Core

Course Code	:	DEF-252 MJT
Course Title	:	Introduction to Paramilitary Forces of India
Type of course	:	Theory
Total Credits	:	2
Workload	:	2 credits x 15 hours = 30 hours in semester

Objectives:

1. To familiarize students with paramilitary forces, their meaning, categories and significance.
2. To comprehend the structure, powers, and responsibilities of the Ministry of Home Affairs in managing paramilitary forces.
3. To clearly distinguish between various defence related organization and their responsibilities.
4. To grasp the importance and implication of integrated border security policy.

Course Learning Outcomes:

1. Students will clearly define paramilitary forces and differentiate them from the armed forces.
2. Students will gain an understanding of CAPF ranks, structure and entry procedures.
3. Students will be able to explain the mandate of Paramilitary forces in border management.

Teaching Methods:

1. The teaching will include classroom lectures accompanied with and Videos wherever required.
2. Students will be given articles to read and will be asked to make Presentations or group discussion based on the nature of the subject.
3. The guest lecturers of experts on the subject will be organized.

Period
15

Unit I: Introduction to Paramilitary Forces of India

1.1 Meaning, Definition and Classification of Paramilitary Forces

1.2 Ministry of Home Affairs- Structure, Power and Functions

1.3 The Paramilitary Forces: Role and Responsibilities

1.4 Difference between Paramilitary Forces, CAPF and Armed Forces

Unit II: Central Armed Police Forces **15**

2.1 CAPF Classification

2.2 CAPF Ranks and Organizational Structure

2.3 Recruitment methods for CAPF

2.4 Meaning, Concept and Principle of One Border-One Force

Unit III: Border Guarding Forces **15**

3.1 Border Security Force (BSF)- Structure and Responsibility

3.2 Sashastra Seema Bal (SSB)- Structure and Responsibility

3.3 Assam Rifle (AR)- Structure and Responsibility

3.4 Indo-Tibetan Border Police (ITBP)- Structure and Responsibility

Unit IV: Internal Security and Special Task Forces **15**

4.1 Central Reserve Police Force (CRPF)- Structure and Responsibility

4.2 Central Industrial Security Force (CISF)- Structure and Responsibility

4.3 National Security Guard (NSG)- Structure and Responsibility

4.4 Rashtriya Rifle (RR)- Structure and Responsibility

Readings:

Banerjee Gautan, India's National Defence Policy: Defining Defence Reform and Military Moderations, Nirali Prakashan, New Delhi, 2016.

Pant Harish V, Hand book of India's Defence Policy: Theme structure and doctrine, Routledge India, 2017.

Venkataraman R, India's Higher Defence Organization and Management, KW Publisher, New Delhi, 2011.

Bharat Karnad, India's Nuclear Policy, Oxford University Press, 2008. (For understanding defence strategy context and strategic policies)

Rajesh Rajagopalan, Defense Planning in India: Problems and Prospects Routledge India, 2015.

Maj. Gen. Raj Mehta (Retd) Indian Defence Forces – Structure, Recruitment & Training Knowledge World Publishers, 2019. (Excellent for organizational details, ranks, and training of the armed forces)

U.C. Jha, Paramilitary Forces of India, Vij Books, 2015. (Covers roles, organization, and challenges of paramilitary forces in India)

Pushpita Das, India's Border Management: Select Issues and Concerns Institute for Defence Studies and Analyses (IDSA), 2011. (For deeper understanding of border guarding forces and internal security)

C. Christine Fair, Fighting to the End: The Pakistan Army's Way of War Oxford University Press, 2014. (Good background on India's military strategy with regional context)

Online Resource:

Organization Structure: available at , <https://mod.gov.in/dod/organizationstructure>

Ministry of Defence Official Website:

<https://mod.gov.in/dod/organizationstructure>

Ministry of Home Affairs (CAPF details):

<https://www.mha.gov.in/>

Institute for Defence Studies and Analyses (IDSA):

<https://www.idsa.in/>

Name of the Programme :	:	SYBSc (Defence and Strategic Studies)
Class	:	SYBSc
Semester	:	IV

Name of Vertical Group	:	Major Core
Course Code	:	DEF-253 MJP
Course Title	:	Practical component-III: World Map Reading
Type of course	:	Practical
Total Credits	:	2
Workload	:	2 credits x 30 hours = 60 hours in semester

Course Objectives:

1. This course designed to understand the concepts of nation, nation state, territory, sovereignty, population and government and their interrelationships
2. This course will teach how to use mind maps and concept maps as tools for organizing and presenting information
3. This course will help to apply mind maps and concept maps to analyze the characteristics and challenges of different nations and nation-states

Course Learning Outcomes:

1. Students can explain the concepts of nation, nation-state, territory, sovereignty, population and government and their interrelationships
2. Students can create mind maps and concept maps using appropriate software or online tools
3. Students can compare and contrast different nations and nation states using mind maps and concept maps. Mind mapping will help students to learn brainstorming sessions, visualizing concepts and improving critical thinking.

Teaching Methods:

1. The teaching will include classroom lectures accompanied with and videos wherever required.
2. Students will be given articles to read and will be asked to make a presentation or group discussion based on the nature of the subject.
3. The guest lectures of experts on the subject will be organized.

Unit 1. Practical Component-IV: Reading a World Land Map.

- 1.1 Land Map reading of world from the 11th century to 19th Century
- 1.2 Land Map Reading of countries under British Empire
- 1.3 Land Map Reading of the world during the First and Second World Wars

Unit 1. Practical Component-IV: Reading a World Sea Map.

- 1.1 Sea Map reading of world from the 11th century to 19th Century
- 1.2 Sea Map Reading of countries under British Empire
- 1.3 Sea Map Reading of the world during the First and Second World Wars

Name of the Programme :	:	SYBSc (Defence and Strategic Studies)
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Class	:	SYBSc
Semester	:	IV
Name of Vertical Group	:	VSC
Course Code	:	DEF-271 VSC
Course Title	:	Conceptual Aspects of National Security -II
Type of course	:	Practical
Total Credits	:	2
Workload	:	2 credits x 15 hours = 30 hours

Objectives-

1. To understand the nature and scope of internal threats such as terrorism, illegal migration, smuggling, and regional instability.
2. To explore external challenges to national security including cyber-attacks, terrorism, organized crime, and natural disasters.
3. To analyze the elements that constitute national power—population, resources, industrial and military capabilities.
4. To comprehend key strategic concepts such as the nation-state, national interest, and approaches to insurgency and counter-insurgency.
5. To develop a multidimensional understanding of security issues that impact the nation's sovereignty, stability, and development.

Course Learning Outcomes-

By the end of the course, students will be able to:

1. Explain the nature and scope of internal threats such as terrorism, illegal migration, and smuggling.
2. Identify and assess external security challenges, including cyber-attacks, organized crime, and natural disasters.
3. Analyze the core components of national power, such as population, resources, and military strength.
4. Understand strategic concepts like the nation-state, national interest, and insurgency/counter-insurgency.
5. Develop a multidimensional understanding of threats impacting national sovereignty and development.

Teaching Methods:

1. The teaching will include classroom lectures accompanied with and Videos wherever required.
2. Students will be given articles to read and will be asked to make Presentations or group discussion based on the nature of the subject.
3. The guest lecturers of experts on the subject will be organized.
4. Evaluation of this paper will be based on the analysis of Practical components.

Unit- 1 Internal Challenges of National Security (15 Hrs.)

- 1.1 - Introduction
- 1.2 – Communal riots/tensions
- 1.3 - Illegal migrations and refugees
- 1.4 - Drugs and Arms smuggling.
- 1.5- Instability in the neighbourhood.

Unit- 2 External Challenges of National Security. (15 Hrs.)

- 2.1- Introduction
- 2.2- Cyber Attack
- 2.3- Cross border terrorism
- 2.4 - Organised Crime
- 2.5- Natural Disaster.

Unit- 3 Strategies and National Security (15 Hrs.)

- 3.1 – Balance of Power
- 3.2- Collective Security
- 3.3- Non-alignment
- 3.4- Alliances
- 3.5- Effective Diplomacy

Unit- 4 Conceptual Analysis (15 Hrs.)

- 4.1- Introduction
- 4.2- Nation – State:- Meaning & Concept- Difference between State & Nation
- 4.3- National Interest:- Meaning & Concept- Determinant Factor of Foreign Policy.
- 4.4- Linkages between Foreign Policy & National Security

Reference -

- Baylis, J., Smith, S., & Owens, P. (Eds.). (2020). *The globalization of world politics: An introduction to international relations* (8th ed.). Oxford University Press.
- Buzan, B. (2008). *People, states and fear: An agenda for international security studies in the post-cold war era* (2nd ed.). ECPR Press.
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Name of the Programme :	:	SYBSc (Defence and Strategic Studies)
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Class	:	SYBSc
Semester	:	IV
Name of Vertical Group	:	CEP
Course Code	:	DEF-281 CEP
Course Title	:	Community Engagement Programme
Type of course	:	Practical
Total Credits	:	2
Workload	:	2 credits x 30 hours = 60 hours in semester

Objectives :

1. To develop an understanding of the needs and Security issues of the community.
2. To equip students to identify the Security problems.
3. To improve the quality of learning through classroom knowledge or course field experience.
4. To guide students in making effective reports.

Learning Outcomes :

1. Students will develop practical Security issues and presentation skills.
2. Students will be able to articulate ideas clearly in interpersonal interactions.
3. Students will gain knowledge and skills in planning and executing successful Security relations events.
4. Students will acquire essential practical skills required for maintaining effective public engagement and rapport.

Activity 1 : Visit any one following the Organization and write a report on it.

1. Disaster Management Department
2. Military Establishment
3. Municipal corporation fire safety department
4. Local police station
5. Road Safety Programme

Activity 2 : Visit any one following the Community and write a report on it.

1. Farmers
2. Workers in Organised sector
3. Workers in unorganized sector
4. Tribal community
5. Scheduled Caste Community
6. Migrant community
7. Sugarcane Factory Workers community
8. Agriculture & Allied industries

9. Small & Rural Industries
10. Infrastructure & Construction Workers Community
11. Public Services sectors community (Education, Health, Transport)
12. Brick Kiln workers Community
13. Slum area Community
14. Any other community in rural or urban areas.

Process of Activity:

1. Students should go to above mentioned organisation
2. Each student has to complete these activities under the guidance of a Guide/Mentor. The Department of Defence and Strategic Studies will allot the students respective Guides/Mentor. The Department of Defence and Strategic Studies may also appoint guides/mentors from other faculties or subject related areas.
3. Students have to choose the topic of activity in consultation with the teacher/guide/mentor.
4. After the study, the student has to submit One separate reports. The report write-up must include photographs, newspaper clippings, images for the support of study. Students can give graphs, tables for statistics.
5. The report will contain objective, observation and conclusions.
6. After the approval letter from the Guide/Mentor, the students can submit the report to the Defence and Strategic Studies Department.
7. After submission of the report, the department will conduct an interview of students or arrange a presentation in the classroom.
8. Assessment will be done on the basis of a report and interviews/presentation.
9. Assessment will be divided into Mid Semester Examination (15 marks) and Semester Examination (35 marks)
10. Mid semester examination activity proposal will be 10 marks and proposal presentation will be 5 marks.
11. Semester Examination activity reports will be 20 marks and the interviews/ presentation will be 15 marks.

Name of the Programme :	:	SYBSc (Defence and Strategic Studies)
Class	:	SYBSc
Semester	:	IV
Name of Vertical Group	:	Minor (T)
Course Code	:	DEF-291MNT
Course Title	:	Maratha Military System -II
Type of course	:	Theory

Total Credits	:	2
Workload	:	2 credits x 15 hours = 30 hours in semester

Objectives

The course focused on the war history of the Maratha's. The emphasis is on the strategies and tactics used and approaches to war specific battle would be used as illustration for the study.

- 1) To learn about Chhatrapati Shivaji's Military System.
- 2) To gain Knowledge of Military System of Marathas

Teaching Methods

- 1) PPT
- 2) Explanation with the help of Historical sketches, Maps and relevance literature.
- 3) Introduction / Group discussion
- 4) Field Trip to nearest forts. subject to permission and availability of forts.

Subject Outcomes

- 1) Students will be literate / aware about our historical forts Heroic deeds
- 2) Students will be inspired from our gallants historical background.
- 3) This will help the students to enhance their knowledge.

Unit 1. Chhatrapati Shivaji Maharaj and conflict with Adil Shaha

- 1.1 - Diplomatic relations
- 1.2- Conquest of Jawali
- 1.3- Battle of Pratapgarh

Unit 2. Chhatrapati Shivaji's Relations and conflict with Mughals

- 2.1- Diplomatic relations
- 2.2- Raid on Shahistekhan
- 2.3- Campaign of Mirza Raje Jaysingh
- i) Aims, Objectives and Significance
- ii) Battle of Purandar
- iii) Treaty of Purandar

Unit 3. Chhatrapati Shivaji's Relations and Conflict with Kutubshaha

3.1- Diplomatic relations

3.2- Treaty of 1676 between Shivaji Maharaj and Kutubshaha

3.3) Conflict over Treaty of 1676 A.D.

Unit 4. Chhatrapati Shivaji's Karnataka campaign

4.1- Causes and gains from Karnataka Campaign.

4.2- Military Leadership of Chhatrapati Shivaji's Karnataka Campaign

4.3 Coronation of Chhatrapati Shivaji - Significance and impact on Contemporary Scenario.

References

- 1) Sarkar J. N., Shivaji and his Times, Orient longman, New Delhi, 1960
- 2) Kulkarni A. R., The History of Maratha's, (1600-1848)
- 3) Pitre K.G., War History of the Maratha's Pune, 1998
- 4) Apte B. D., History of Maratha Navy, Bombay, State Board of literature and culture, 1973

5) पित्रे का. ग., हिंदुस्थानचा संक्षिप्त इतिहास, नवचैतन्य प्रकाशन मुंबई, 1992**6) डॉ. रोडे सोमनाथ, मराठ्यांचा इतिहास, पिंपळापुरे अँड कंपनी, पब्लिशर्स नागपूर, 1998****7) कृ. अ. केळुसकर, छत्रपती शिवाजी महाराज, 1996****8) प्रा. गफूर शेख, मराठ्यांचा इतिहास,**

Name of the Programme :	:	SYBSc (Defence and Strategic Studies)
Class	:	SYBSc
Semester	:	IV
Name of Vertical Group	:	Minor (P)
Course Code	:	DEF-292 MNP
Course Title	:	Visit to the Peshwa-era Heritage sites
Type of course	:	Practical
Total Credits	:	2

Workload	:	2 credits x 30 hours = 60 hours in semester
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Objectives:

- 1.To enable the students to apply their understanding of the basic concept of Strategic important Peshwa-era establishment.
2. To understand the various dimensions of Peshwa-era establishment.

Learning Outcomes:

1. Students will know how to apply the concepts learned in class in the actual process of Administration of Peshwa-era establishment.
2. The students will know the structural differences in the Peshwa-era establishment.
3. The students will gain practical understanding of the Peshwa-era establishment.

Activity 1: Visit a Peshwa-era establishment. and writing a report on their administration policies and practices**Process of Activity:**

1. Students should go to the Peshwa-era establishment.
- 2.Each student has to complete these activities under the guidance of a Guide/Mentor. The Department of Defence and Strategic Studies will allot the students respective Guides/Mentor. The Department of Defence and Strategic Studies may also appoint guides/mentors from other faculties or subject related areas.
3. Students have to choose the topic of activity in consultation with the teacher/guide/mentor.
- 4.After the study, the student has to submit One separate reports. The report write-up must include photographs, newspaper clippings, images for the support of study. Students can give graphs, tables for statistics.
5. The report will contain objective, observation and conclusions.
6. After the approval letter from the Guide/Mentor, the students can submit the report to the Defence and Strategic Studies Department.
- 7.After submission of the report, the department will conduct an interview of students or arrange a presentation in the classroom.
8. Assessment will be done on the basis of a report and interviews/presentation.
- 9.Assessment will be divided into Mid Semester Examination (15 marks) and Semester Examination (35 marks)
10. Mid semester examination activity proposal will be 10 marks and proposal presentation will be 5 marks.
11. Semester Examination activity reports will be 20 marks and the interviews/ presentation will be 15 marks.

Name of the Programme :	:	SYBSc (Defence and Strategic Studies)
Class	:	SYBSc
Semester	:	IV

Name of Vertical Group	:	OE
Course Code	:	OE-251 DEF
Course Title	:	Internal Security Challenges for India – II
Type of course	:	Theory
Total Credits	:	2
Workload	:	2 credits x 15 hours = 30 hours in semester

Objectives :

- 1.The objective of this paper is to literate our students about internal security problems
- 2.While studying this internal security problems to find out the root causes of this internal security problem
- 3.To make aware our students about the issue which has multidimensional scope & its relevance with our National Security

Teaching Method :

- 1) Lecturers with PPT as well as group discussion
- 2)Explanation with the digital board help & sketches, videoclips and newspaper clippings
- 3)Guest lectures by Eminent Persons along with Interactions with students

Learning Outcome :

Students will become aware about overall problems of internal security along with various dimensions and solution on it

Unit 1. Extremist Movements in India & Its Relevance To National Security (15 Hrs)

- a) Introduction
- b) Meaning and Concept
- c) Nature and Scope
- d) Naxalite Movement in India- Special Reference to Maharashtra, Chhattisgarh and Jharkhand
- e) Impact of Naxalite Movement on National Security. Solutions and Its Status

Unit 2. Terrorism (15 Hrs)

- a) Introduction
- b) Meaning and Concept
- c) Nature and Scope
- d) Types
- e) Causes
- f) Effects
- g) Impact on National Security. Solutions & Its Status

Unit 3. Insurgency Problems In North-East Region of India (15 Hrs)

- a) Meaning and Concept of Insurgency

- b) Causes of Insurgency
- c) Impact of Insurgency on National Security. Solutions & Its Present Status
- d) Manipur, Nagaland, Mizoram & Assam etc.

Unit 4. Cyber Crime In India & Its Impact On National Security (15 Hrs.)

- a) Introduction
- b) Meaning and Concept
- c) Nature and Scope
- d) Types i) Hacking ii) Copyright Infringement iii) Sexual Exploitation iv) Child Exploitation
- v) Digital Arrest
- e) Impact On National Security. Solutions & Its Present Status

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- 5) Dharmadhikari K.D., Vispute Devendra, Valvi Arun, "India's Internal Security", Prashant Publication, Jalgaon, 2014.
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- 8) Gupta Arvind, How India Manages its National Security, Viking Publication, New Delhi, 2018.
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- 11) Khare Vijay S., Rashtriya Surkshe Pudhil Aavhane, Sumedh Prakashan, Pune, 2006
- 12) Kumar Arun, Network Security, Laxmi Publication, New Delhi, 2011.
- 13) Singh Ashok Kumar, Challenges to Internal Security of India, McGraw Hill Publication, New Delhi, 2018.
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- 16) Singh Jasjit, India's Security in Turbulent World, National Book Trust, New Delhi, 2013.
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19) Vappala Balachandran, National Security and Intelligence Management: a new Paradigm, Published by Indus Source Book, Mumbai, 2014.

20) Strategic Analysis, Institute of Defence and Strategic Analysis, New Delhi

Name of the Programme :	:	SYBSc (Defence and Strategic Studies)
Class	:	SYBSc
Semester	:	IV
Name of Vertical Group	:	SEC
Course Code	:	DEF-251 SEC
Course Title	:	Strategic Leadership
Type of course	:	Theory
Total Credits	:	2
Workload	:	2 credits x 15 hours = 30 hours in semester

Course Objectives:

1. The course aims to introduce the concept of Military Leadership and the Principles of Armed Forces Leadership.
2. The course aims to understand the decision-making processes of leaders at various points.

Course Learning Outcomes:

1. Students will know the concept of Strategic Leadership and Leadership Styles.
2. Students will learn the importance of Team Building and Management.

Teaching Methods:

1. The teaching will include classroom lectures accompanied with and videos wherever required.
2. Students will be given articles to read and will be asked to make a presentation or group

discussion based on the nature of the subject.

3. The guest lectures of experts on the subject will be organized.

Unit I: Introduction to Strategic Leadership

- 1.1. Meaning and Significance of Strategic Leadership
- 1.2. Attitude Formation and Change
- 1.3. Motivation: Theories of motivation
- 1.4. Personality Development

Unit II: Interpersonal and Group Behaviour

- 2.1. Interpersonal Behaviour
- 2.2. Group Dynamics and Inter-Group Behaviour
- 2.3. Team Building and Management
- 2.4. Military Leadership

Suggested Readings:

- Aswathappa, (2007) Organisational Behaviour, Himalaya Publishing House, Mumbai
- Fred Luthans, Organizational Behaviour, (2007) Tata McGraw-Hill Publishing Co., New Delhi.
- Koontz Harold and O' Donnell Cyril, (2000) Essentials of Management, Tata McGraw-Hill Publishing Co., New Delhi.
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