

Rajiv Gandhi University

(NAAC Grade 'A' Accredited Central University)

COURSE CURRICULUM

FOUR YEAR UNDERGRADUATE PROGRAMME IN DEFENCE AND STRATEGIC STUDIES [BDSS FYUP]

**With Multiple Entry and Exit System
Under
National Education Policy-2020**

**UG Certificate in Defence and Strategic Studies (One Year Exit)
(Programme Code: NSS-1001)**

**UG Diploma in Defence and Strategic Studies (Two Year Exit)
(Programme Code: NSS-2001)**

**Bachelor of Defence and Strategic Studies (Three Year Exit)
(Programme Code: NSS-3001)**

**Bachelor of Defence and Strategic Studies (Hons.) with Research
(Four Year Completion)**

(Programme Code: NSS-4001 without Research)

(Programme Code: NSS-5001 with Research)

**Effective From
2024-25**



Department of National Security Studies

**Rajiv Gandhi University (A Central University)
Rono Hills, Doimukh, Arunachal Pradesh – 791112**

1.1 THE PREAMBLE

Defence and Strategic Studies is intended to provide a broad framework within which the discipline could respond to the changing needs of its various stakeholders in exclusivity in a more romanticized manner. The template is an initiative of new kind and is expected to assist in the building and maintenance of under graduate Programme in Defence and Strategic Studies with innovative skill by holding a periodic review within a broad framework of an agreed structure as standard reference. It is pertinent to mention that Defence and Strategic Studies as a separate discipline is still underway to its final accomplishment vis-a-vis other established subjects/disciplines. This is notwithstanding, the other variants in which the discipline have not even acquired the status of a UG programme, rather rests as part of or one of the elective subjects in the faculty of Arts, Humanities and Sciences.

There is strong plea to have a UG Programme in Defence and Strategic Studies to brand it more sovereign in outlook. Incredible, while security is a buzz word penetrating all pervasively at the, national and global level, the significance of this subject remains almost an amiss in country's scenario., is a great strategic enterprise to this effect to build an architecture in not only reviewing the existing course curricula, but also endeavor to create a roadmap for its variants verticals - be the institutions serving the discipline; the faculty, the students or the societal environment providing a desired turf for a more meaningful dispensation in the long run.

A thought process has been generated to set and raise the standards in the subject shoving it at par with other academic programmes. For instance, a misperception gets created that the subject lacks employability avenues. Whereas given to its potential it has high value job creation credentials. But the general apathy in awareness and understanding towards security issues at institutional levels has been of great hindrance in the growth of this subject.

Defence and Strategic Studies as a subject demands specialized audience which currently dwells more on free for all. In the coming time, when specialization at micro level is the need of art, the subject too demands a favourable consideration and attention to contribute to the national potential. The thrust line is interest and passion which can extrapolate into various manifestations. It may be interesting to pen down the views of one of the students who said 'the subject gave me an opportunity to grow not only in many ways but each day also; grooming me to imbibe can do attitude'.

The One Year Certificate/Two Year Diploma/Three Year Under Graduate Degree/Four Year Under Graduate Degree (Honours Without Research)/Four Year Under Graduate Degree (Honours with Research) in Defence and Strategic Studies is a four-year (eight semesters) programme of credits including major courses, minor courses, multidisciplinary courses, skills enhancement courses, value-added courses and ability enhancement courses with multiple exists. In each semester the students will be offered theory and practical courses.

The students will be offered several major courses throughout four years as per UGC guidelines. This programme will adopt a flexible curricular structure in order to enable creative combinations of disciplinary areas. The undergraduate degree programme of 4-year duration, with multiple exit points with appropriate certifications such as: a UG certificate after completing 1 year (2 semesters) and additional 4 credits training/internship, a UG diploma after 2 years (4 semesters) of study and additional 4 credits training/internship, a bachelor's degree after a 3-year (6 semesters) of study and UG degree with Honours and UG degree with Research with Honours degree after 4 years (8 semesters) of study.

The evaluation and examination procedures shall be as per the regulations and guidelines imbibed in the Rajiv Gandhi University examination ordinance.

1.2 PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

The Under Graduate programme in Defence and Strategic Studies aims to fulfill the following goals:

PEO1: This programme aims to provide learning scopes by orienting the students towards scientific study of human mind and behaviour.

PEO2: Developing knowledge of basic defence concepts and assumptions, and developing ability to appreciate the challenges in security areas.

PEO3: Promoting self-understanding, reflexivity and personal growth of the students.

PEO4: Developing a strong sense of ethical and moral aptness in general and in the context of learning and its assessment in particular.

PEO5: Developing respect for strategic values in different realms.

1.3 PROGRAMME OUTCOMES (PO's)

PO1: Foundational Knowledge

The graduates will be capable of demonstrating competence in distilling and employing the core ideas of the Social Sciences Languages in multi and interdisciplinary contexts.

PO2: Critical Thinking and Problem Solving

Inculcate a spirit of nationalism and develop good values contributing to building strong national character.

PO3: Research Orientation and Application

The graduates would augment the capability to demonstrate understanding in acquisition of primary sources of knowledge and utilize research tools to investigate, analyses, interpret data and synthesize information to arrive at sound conclusions and enhance the capacity to use practical knowledge of appropriate tools and techniques, including the use of latest technology, to address issues and solve problems.

PO4: Indian Context and Good Citizenship

The graduates would be capable of taking a critical, informed, and action-oriented approach towards India's diversity encompassing its social, economic, political, historical, environmental, cultural aspects among others by enhance the capacity to apply knowledge and skills to contribute positively to the creation of just, inclusive, tolerant, and environmentally sustainable communities, and demonstrate, by doing, the importance of participating in the governance structures of one's profession and society.

PO5: Complex Problem Solving

The graduates should be able to demonstrate the capability to solve different kinds of problems in various security areas contexts and apply the learning to real-life situations in frontier areas.

PO6: Creativity

The graduates should be able to demonstrate the ability to create, perform, or think in different and diverse ways about the same objects or scenarios; deal with problems and situations that do not have simple solutions; innovate and perform tasks in a better manner; view a problem or a situation from multiple perspectives; think ‘out of the box’ and generate solutions to complex problems in unfamiliar contexts; adopt innovative, imaginative, lateral thinking, interpersonal skills and emotional intelligence.

PO7: Communication Skills

The graduates should be able to demonstrate the skills that enable them to listen carefully, read texts and research papers analytically and present complex information in a clear and concise manner to different groups/audiences; express thoughts and ideas effectively in writing and orally and communicate with others using appropriate media, confidently share views and express herself/himself, construct logical arguments using correct technical language related to a field of learning, work/vocation, or an area of professional practice, and convey ideas, thoughts, and arguments using language that is respectful and sensitive to gender and other minority groups.

PO8: Analytical Reasoning and Thinking

The graduates should be able to demonstrate the capability to evaluate the reliability and relevance of evidence; identify logical flaws in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support them with evidence and examples, and address opposing viewpoints.

PO9: Research Related Skills

The graduates should be able to demonstrate a keen sense of observation, inquiry, and capability for asking relevant/ appropriate questions, the ability to problematize, synthesize, and articulate issues and design research proposals, the ability to define problems, formulate appropriate and relevant research questions, formulate hypotheses, test hypotheses using quantitative and qualitative data, establish hypotheses, make inferences based on the analysis and interpretation of data, and predict cause-and-effect relationships, the capacity to develop appropriate methodology and tools for data collection, the appropriate use of statistical and other analytical tools and techniques, the ability to plan, execute and report the results of an experiment or investigation, the ability to acquire the understanding of basic research ethics and skills in practicing/doing ethics in the field/ in personal research work, regardless of the funding authority or field of study.

P10: Leadership Qualities

The graduates should be able to demonstrate the capability for mapping out the tasks of a team or an organization and setting direction; formulating an inspiring vision and building a team that can help

achieve the vision, motivating and inspiring team members to engage with that vision; using management skills to guide people to the right destination.

1.4 PROGRAMME SPECIFIC OUTCOMES (PSO's)

The learners who complete four years would earn an Under Graduate Honours/Honours with Research Degree in Defence and Strategic Studies. The learning outcomes that a student should be able to demonstrate on completion of a degree level programme may involve academic, behavioural and social competencies as described below.

PSO1: To inculcate the basic theoretical understanding of Defence and Strategic Studies within students and familiarize them with its application to society, along with sensitize them with the current problems that human beings are facing nationally and globally.

PSO2: To equip the students with the epistemological understanding of the Defence and Strategic Studies as a science, and social science discipline, and develop scientific attitude and rigor, inculcate strong methodological knowledge and build interpersonal competence.

PSO3: To enhance awareness and commitment to social services through application of disciplinary knowledge in various contexts, and train the students with necessary professional skills to cater for the needs of different sections of society.

PSO4: To encourage the students to be committed to global trends of the discipline along with a strong insight into indigenous and cultural knowledge systems.

1.5 Certification Criteria

- **NSS-001-UG Certificate:** Students exiting the programme after securing 40 credits will be awarded UG Certificate in the relevant discipline/subject provided they secure 4 credits in work-based vocational courses offered during the summer term or internship/apprenticeship in addition to 6 credits from skill-based courses earned during the first and second semester.
- **NSS-002-UG Diploma:** Students exiting the programme after securing 80 credits will be awarded UG Diploma in the relevant discipline/subject. Out of 80 credits, students will have to secure 4 credits in skill-based vocational courses offered during the first year or second year summer term.
- **NSS-003-Three-Year UG Degree:** Students who wish to undergo a 3-year UG programme will be awarded UG Degree in the Major discipline after successful completion of three years, securing 120 credits.
- **NSS-004-Four-Year UG Degree (Honours):** A four-year UG Honours degree in the major discipline will be awarded to those who complete a four-year degree programme with 160 credits.
- **NSS-005-Four-Year UG Degree (Honours with Research):** A Four-year UG Degree in Honours with Research will be awarded to those students who complete a four-year degree programme with 160 credits, including 12 credits from a research project/dissertation in the major discipline.

1.6 Other Key Criteria for UG Programme

- **Selection of Minor Course:** Students of Defence and Strategic Studies major will opt for minor courses from other majors being offered by other departments. Minor courses of Defence and Strategic Studies will be offered to Non- Defence and Strategic Studies Major Students.
- **Selection of Multidisciplinary Course:** Students in Defence and Strategic Studies have to select a multidisciplinary course from the basket of multi-disciplinary courses provided in the common structure. However, students of Defence and Strategic Studies cannot select multidisciplinary course of Defence and Strategic Studies.
- **Selection of Compulsory Value-Based Course:** Students in Defence and Strategic Studies have to select a compulsory Value-based course from the basket of value-based courses provided in the common structure.
- **Research at UG Programme:** Students who secure 75% marks and above in the first six semesters can undertake research at the undergraduate level/in the fourth year.
- **For Honours Students not undertaking Dissertation in VIII Semester:** Students in Defence and Strategic Studies not undertaking research project/dissertation work will have to do 3 courses of 12 credits in lieu of research project/dissertation.
- **Exit and Re-entry:** Exit and re-entry option in the degree programme in Defence and Strategic Studies will be allowed at 2nd (first year) and 4th semester (second year) to those students who have awarded UG Certificate and UG Diploma, respectively. However, these students will be allowed to re-enter the degree programme within 3 years after their exit and will have to complete the degree programme within the stipulated maximum period of seven years.

1.7. Structure of the Four Year Undergraduate Programme in Defence and Strategic Studies

***1 Credit for Lecture = 15 Hours in a Semester**

****1 Credit for Tutorial = 15 Hours in a Semester**

*****1 Credit for Practicum = 30 Hours in a Semester**

CREDIT SYSTEM FOR UG PROGRAMME IN DEFENCE AND STRATEGIC STUDIES (as per NEP-2020)

NCrf Credit Level	Sem	Major		Minor (Only for students other than Defence and Strategic Studies Major)		Multidisciplinary Course (MDC-Only for students other than Defence and Strategic Studies Major)		Ability Enhancement Compulsory Course (AECC)		Skill Enhancement Course (SEC)		Value-added Courses (VAC)		Total Credit / Sem
		Course Code & Name	Credit	Course Code & Name	Credit	Course Code & Name	Credit	Course Code & Name	Credit	Course Code & Name	Credit	Course Code & Name	Credit	
4.5	I	NSS-001-CC-1110- Introduction to Defence and National Security Studies	4	NSS-001-MC-1110- Introduction to India's National Security	4	NSS-001-MD-1110- Indian Constitution and Governance	3	*AECC-1	4	NSS-001-SE- 0010- Computer Applications	3	VA-1 ((Sports/NCC/ NSS/Yoga etc.))	2	20
	II	NSS-001-CC-1210- Conceptual Aspects of War	4	NSS-001-MC-1210-Defence Mechanism of Modern States	4	NSS-001-MD-1210- World Politics	3	*AECC-2	4	NSS-001-SE- 0020- Personality Development and Communication Skills	3	*VA-2 (Sports/NCC/ NSS/Yoga etc.)	2	20
Total Credit (First Year)			8		8		6		8		6		4	40
Exit option with Undergraduate Certificate in Defence and Strategic Studies on completion of courses equal to a minimum of 40 credits+ #Summer Internship (NSS-1001)														
5.0	III	NSS-001-CC-2110- National Security: Conceptual Aspects NSS-002-CC-2120- Practical: Basics of TEWTs (Tactical Exercise Without Troops) /Sand Model Exercises, Sketching and Discussion.	4 4	NSS-001-MC-2110- Defence Journalism/ VOC-1	4	NSS-001-MD-2110- International Organisation and Global Governance	3			NSS-001-SE- 0030- Environmental Science	3	*VA-3 (Sports/NCC/ NSS/Yoga etc.)/ MOOCS	2	20
	IV	NSS-001-CC-2210- Study of Terrorism NSS-001-CC-2220-Weapon of Mass Destruction, Nuclear Proliferation and National Security NSS-001-CC-2230-Arms Control and Disarmament NSS-001-CC-2240-Practical: Sketching of the Strategic Maps India and World.	4 4 4 4	NSS-001-MC-2210-Insurgency and Counter Insurgency / VOC-2	4									20
Total Credit (Second Year)			24		8		3				3		2	40
Exit option with Undergraduate Diploma in Defence and Strategic Studies on completion of courses equal to a minimum of 80 credits +4 Credit Skill Based Course during 1/2 Year Summer Terms (NSS-2001)														

Aggregate Credit	94	32	09	08	09	08	160
Award of Four-Year Bachelor's Degree (Honours with Research) in Defence and Strategic Studies on completion of courses equal to a minimum of 160 Credits (NSS-5001)							

*Students can opt from the bouquet of courses offered by the University/Departments from time to time.

#**Summer Internship:** 8 Weeks Summer Internship should be completed by students who opt for UG Certificate programme.

Abbreviations: VAC- Value Added Course; MDC-Multi-Disciplinary Course; AECC-Ability Enhancement Compulsory Course; SEC- Skill Enhancement Course; MOOC's- Massive Open Online Courses.

Programme Code and Subject Code Schema: ABC-DDD-CT-YSPR

ABC:	Discipline Code (viz. CSE: Computer Science and Engineering, SOW: Social Work etc.)
DDD (e.g. 001)	DDD-The unique number for each programme like B.A.-001, B.Sc.-002 etc. 001=Programme Code for B.A.
CT:	Course Type (Viz. CC: Core Course, DE: Department Elective, RC: Research Course, CW: Coursework)
YSPR:	Year-Semester-Paper Serial-Sequence of Revision (currently zero)

**SEMESTER WISE CREDIT STRUCTURE FOR THE UNDERGRADUATE PROGRAMME IN
DEFENCE AND STRATEGIC STUDIES**

SEMESTER I

Paper Code	Title	Maximum Marks			Credit Distribution	Total Credits	Contact Hours
		Internal Assessment	End Semester	Aggregate	L: T: P		
NSS-001-CC-1110	Introduction to Defence and National Security Studies	20	80	100	3:0:1	4	75
XXX-DDD-MC-XXXX	Minor Course-1	20	80	100	-	4	-
XXX-DDD-MD-XXXX	MDC-1*	20	80	100	-	3	-
XXX-DDD-AE-XXXX	AECC-1*	20	80	100	-	4	-
NSS-001-SE-0010	Computer Applications	20	80	100	2:1:0	3	45
XXX-DDD-VA-0010	VAC-1*	20	80	100	-	2	-
Full Marks				600	Total Credit	20	

**The title of the courses will be adopted from the pool of papers provided by the University/Other Departments.
L=Lecture, T=Tutorial, P=Practical*

SEMESTER II

Paper Code	Title	Maximum Marks			Credit Distribution	Total Credits	Contact Hours
		Internal Assessment	End Semester	Aggregate	L: T: P		
NSS -001-CC-1210	Conceptual Aspects of War	20	80	100	3:0:1	4	75
XXX-DDD-MC-XXX	Minor Course-2	20	80	100	-	4	-
XXX-DDD-MD-XXX	MDC-2*	20	80	100	-	3	-
XXX-DDD-AE-XXX	AEC-2*	20	80	100	-	4	-
NSS -001-SE-0020	Personality Development and Communication Skills	20	80	100	2:1:0	3	45
XXX-DDD-VA-XXX	VAC-2*	20	80	100	-	2	-
Full Marks				600	Total Credit	20	

**The title of the courses will be adopted from the pool of papers provided by the University/Other Departments.
L=Lecture, T=Tutorial, P=Practical*

**SEMESTER WISE CREDIT STRUCTURE FOR THE UNDERGRADUATE PROGRAMME IN
DEFENCE AND STRATEGIC STUDIES**

SEMESTER III

Paper Code	Title	Maximum Marks			Credit Distribution	Total Credits	Contact Hours
		Internal Assessment	End Semester	Aggregate	L: T: P		
NSS-001-CC-2110	National Security: Conceptual Aspects	20	80	100	4:0:0	4	60
NSS-001-CC-2120	Practical in Military History of India	20	80	100	0:0:4	4	120
XXX-DDD-MC-XXX	Minor course-3	20	80	100	-	4	-
XXX-DDD-MD-XXX	MDC-3	20	80	100	-	3	-
NSS-001-MD-2110	International Organisation and Global Governance	20	80	100	2:1:0	3	45
XXX-DDD-VA-XXX	VAC-3	20	80	100	-	2	-
Full Marks				600	Total Credit	20	

**The title of the courses will be adopted from the pool of papers provided by the University/Other Departments.
L=Lecture, T=Tutorial, P=Practical*

SEMESTER IV

Paper Code	Title	Maximum Marks			Credit Distribution	Total Credits	Contact Hours
		Internal Assessment	End Semester	Aggregate	L: T: P		
NSS-001-CC-2210	Study of Terrorism	20	80	100	3:1:0	4	60
NSS -001-CC-2220	Weapon of Mass Destruction, Nuclear Proliferation and National Security	20	80	100	3:1:0	4	60
NSS -001-CC-2230	Arms Control and Disarmament	20	80	100	3:1:0	4	60
NSS -001-CC-2240	Practical in Conflict and Media	20	80	100	0:0:4	4	120
XXX-DDD-MC-XXX	Minor Course-4	20	80	100	-	4	-
Full Marks				500	Total Credit	20	

**The title of the courses will be adopted from the pool of papers provided by the University/Other Departments.
L=Lecture, T=Tutorial, P=Practical*

CREDIT STRUCTURE FOR FOUR YEAR UNDERGRADUATE PROGRAMME IN DEFENCE AND STRATEGIC STUDIES

SEMESTER V

Paper Code	Title	Maximum Marks			Credit Distribution	Total Credits	Contact Hours
		Internal Assessment	End Semester	Aggregate	L: T: P		
NSS -001-CC-3110	Military History of India	20	80	100	3:1:0	4	60
NSS -001-CC-3120	Contemporary Strategic Environment of India	20	80	100	3:1:0	4	60
NSS -001-CC-3130	Arms Control and Disarmament	20	80	100	2:0:0	2	30
NSS -001-CC-3140	Non-Traditional Security Threats	20	80	100	4:0:0	4	60
XXX-DDD-MC-XXX	Minor Course-5	20	80	100	-	4	-
NSS -001-IN-3110	Internship	20	80	100	0:0:2	2	60
Full Marks				600	Total Credit	20	

**The title of the courses will be adopted from the pool of papers provided by the University/Other Departments.*
L=Lecture, T=Tutorial, P=Practical

SEMESTER VI

Paper Code	Title	Maximum Marks			Credit Distribution	Total Credits	Contact Hours
		Internal Assessment	End Semester	Aggregate	L: T:P		
NSS -001-CC-3210	Science and Technology and Warfare	20	80	100	3:1:0	4	60
NSS -001-CC-3220	Strategic Studies	20	80	100	3:1:0	4	60
NSS -001-CC-3230	Disaster Management	20	80	100	3:1:0	4	60
NSS -001-CC-3240	Cyber Security and National Security	20	80	100	0:0:4	4	120
XXX-DDD-MC-XXX	Minor Course-6	20	80	100	-	4	-
Full Marks				500	Total Credit	20	

**The title of the courses will be adopted from the pool of papers provided by the University/Other Departments.*
L=Lecture, T=Tutorial, P=Practical

STRUCTURE FOR FOUR YEAR UNDERGRADUATE PROGRAMME IN DEFENCE AND STRATEGIC STUDIES

SEMESTER VII

Paper Code	Title	Maximum Marks			Credit Distribution	Total Credits	Contact Hours
		Internal Assessment	End Semester	Aggregate	L: T: P		
NSS -001-CC-4110	International Relations: Defence Aspects	20	80	100	3:1:0	4	60
NSS -001-CC-4120	Geopolitics and Military Geography	20	80	100	3:1:0	4	60
NSS -001-CC-4130	Legal Aspects of International Security	20	80	100	3:1:0	4	60
NSS -001-CC-4140	NSS-001-CC-4140 Map Reading of India's Strategic Location	20	80	100	0:0:4	4	120
XXX-DDD-MC-XXX	Minor Course-7	20	80	100	-	4	-
Full Marks				500	Total Credit	20	

**The title of the courses will be adopted from the pool of papers provided by the University/Other Departments.*

L=Lecture, T=Tutorial, P=Practical

SEMESTER VIII

Paper Code	Title	Maximum Marks			Credit Distribution	Total Credits	Contact Hours
		Internal Assessment	End Semester	Aggregate	L: T: P		
NSS -001-CC-4210	Strategic Thought	20	80	100	3:1:0	4	60
NSS -001-DE-42010	Military Psychology	20	80	100	3:1:0	4	60
NSS -001-DE-42020	India's Maritime Security	20	80	100	3:1:0	4	60
NSS -001-DE-42030	Economics Aspects of National Security	20	80	100	3:1:0	4	60
NSS -001-RC-4210	Research Methodology/MOOCs	20	80	100	-	4	-
Full Marks				500	Total Credit	20	

**The title of the courses will be adopted from the pool of papers provided by the University/Other Departments.*

L=Lecture, T=Tutorial, P=Practical

SEMESTER VIII

Paper Code	Title	Maximum Marks			Credit Distribution	Total Credits	Contact Hours
		Internal Assessment	End Semester	Aggregate	L: T:P		
NSS -001-CC-4210	Military Sociology	20	80	100	3:1:0	4	60
NSS -001-RP-4210	Research Project	60	240	300	0:6:6	12	270
NSS -001-RC-4210	Research and Publication Ethics/MOOCs	20	80	100	3:1:0	4	60
Full Marks				500	Total Credit	20	

BOUQUET OF MINOR COURSES (MC) OFFERED BY THE DEPARTMENT OF DEFENCE AND STRATEGIC STUDIES

Sem	Paper Code	Title	Maximum Marks			Credit Distribution	Total Credits	Contact Hours
			Internal Assessment	End Semester	Aggregate	L: T: P		
I	NSS -001-MC-1110	Introduction to India's National Security	20	80	100	3:1:0	4	60
II	NSS -001-MC-1210	Defence Mechanism of Modern States	20	80	100	3:1:0	4	60
III	NSS -001-MC-2110	Defence Journalism	20	80	100	3:1:0	4	60
IV	NSS -001-MC-2210	Insurgency and Counter Insurgency	20	80	100	3:1:0	4	60
V	NSS -001-MC-3110	Internal Security and Role of the State	20	80	100	3:1:0	4	60
VI	NSS -001-MC-3210	Evolution of Armaments	20	80	100	3:1:0	4	60
VII	NSS -001-RC-4110	Research Methodology	20	80	100	3:1:0	4	60
VIII	NSS -001-RC-4210	Research and Publication Ethics	20	80	100	3:1:0	4	60
Total							32	480

BOUQUET OF MULTIDISCIPLINARY COURSES (MDC) OFFERED BY THE DEPARTMENT OF DEFENCE AND STRATEGIC STUDIES

Sem	Paper Code	Title	Maximum Marks			Credit Distribution	Total Credits	Contact Hours
			Internal Assessment	End Semester	Aggregate	L: T: P		
I	NSS -001-MD-1110	Indian Constitution and Governance	20	80	100	3:1:0	4	60
II	NSS -001-MD-1210	World Politics	20	80	100	3:1:0	4	60
III	NSS -001-MD-2110	International Organisation and Global Governance	20	80	100	3:1:0	4	60
Total							12	180

SEMESTER – I

SEMESTER I

NSS-1001-CC-1110- Introduction to Defence and National Security Studies

**Credit: 4 (3L + 1P); Lecture: 3 Hrs per week
 Practical: 2 Hrs per week; Contact Hours: 75; Full
 Marks: 100**

Learning Objectives

LO 1: To provide a basis for thinking about security issues and an overview of the different specialized areas of security and defence that one might choose to study in more depth in the future.

LO 2: To introduce the key concept with an emphasis on the applications of defence in everyday life.

Course Outcomes

CO 1: Develop an understanding and conceptual framework of defence as a discipline.

CO 2: Explore the scope and the field of defence.

CO 3: Develop familiarity with basic concepts and application of foundational themes of study in defence such as ambush, blockade, attention, surprise, concentration.

CO 4: Develop understanding about basic concept of security and its impact on human life.

Course Content

Unit No.	Content	Contact Hours	CO
1	Basic Concepts-I 1.1 Nation 1.2 State 1.3 Nation-State 1.4 Nationalism 1.5 Sovereignty	15	1, 2
2	Basic Concepts-II 2.1 Power 2.2 Authority 2.3 Security 2.4 Strategy 2.5 Threats	15	3
3	Introduction to Regions of World 3.1 Europe 3.2 North, Central, West, South and South East Asia 3.3 North and South America 3.4 Africa 3.5 Indo-Pacific Regions	15	3
4	Types of Governments 4.1 Monarchic 4.2 Autocratic 4.3 Democratic: Parliamentary and Presidential 4.4 Colonial/Imperial	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	-	-	3	3	-	-	-	1	3	3	2	-
CO2	3	-	-	-	3	3	-	-	3	-	-	3	-	2
CO3	3	-	3	-	-	-	3	-	-	-	3	-	-	-
CO4	-	3	-	3	-	-	-	3	-	3	-	-	-	3
Average	2.25	1.5	0.75	0.75	1.5	1.5	0.75	0.75	0.75	1	1.5	1.5	0.5	1.25

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

1. Baylis, John, Steve Smith and Patricia Owens, Eds., (2011) The Globalization of World Politics, Oxford University Press, New York.
2. Chandra, P., (1979) International Politics, Vikas Publications, N. Delhi
3. Curzon, Lord. (1907) Frontiers, Clarendon Press, USA.
4. Sorensen, G., Møller, J., & Jackson, R. H. (2022). Introduction to international relations: theories and approaches. Oxford university press.
5. World Atlas (Latest Edition)

SEMESTER I**NSS-001-MC-1110- Introduction to India's National Security**

Credit: 4; **Lecture:** 3 Hrs per week; **Tutorial:** 1 Hr per week; **Contact Hours:** 60; **Full Marks:** 100

Learning Objectives

LO1: The goal of this course is to introduce the student to the general principles of National Security.

LO2: This course is designed to provide student with a basis for thinking about National Security questions and with an overview of the different specialized areas of National Security that one might choose to study in more depth in the future.

Course Outcomes

CO1: Learn and develop knowledge of the basic concepts in National Security.

CO2: Advance skills for applying Security knowledge to real life situations so as to improve interpersonal interactions and adjustment in life.

CO3: Understand the cyclic order of National Security and stages in various context

CO4: Understand challenges and issues of development in global and Indian context.

Course Content

Unit No.	Content	Contact Hours	CO
1	National Security 1.1 Meaning and Definition 1.2 Threat Perceptions 1.3 Types of threats to India	15	1
2	Internal Security of India 2.1 Terrorism in Jammu & Kashmir 2.2 Insurgency in North Eastern States 2.3 Naxalism in India	15	1,2
3	India's Security Problems since Independence 3.1 Geo-political effects of partition. 3.2 India's border issues 3.3 India's water disputes	15	3
4	External Security of India 4.1 Security problems related to Pakistan including Indo-Pak wars. 4.2 Security problems related to China including India-China War-1962. 4.3 Chinese engagement with India's neighboring countries.	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	-	-	-	-	-	-	-	-	-	3	3	-	-
CO2	-	2	-	-	3	3	3	2	2	1	-	-	3	-
CO3	-	-	2	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	-	3	-	-	-	2	-	-	-	-	-	3
Average	0.75	0.5	0.5	0.75	0.75	0.75	0.75	1	0.5	0.25	0.75	0.75	0.75	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

1. Bajpai, (1986) India and its Neighbourhood, Lancer International, New Delhi.
2. Baranwal, S.P., (1984) Measures of Civil Defence in India, Guide Publications, New Delhi.
3. Bobbing, Ross and Gordon, Sandy, (1992) India's Strategic Future, Oxford University Press. Delhi
4. Chatterjee, R.K. (1978) India's Land Borders- Problems and Challenges: New Delhi, Sterling Publishers.
5. Chaudhury, Rahul Roy, (1995) Sea Power and India's Security, Brassey's, London,
6. Dass, S.T., (1987) National Security in Perspective Gyan Publishers, Delhi.
7. Ministry of Defence, Annual Reports
8. Defence Year Book (Annual)

SEMESTER I**NSS-001-MD-1110- Indian Constitution and Governance**

Credit: 3; Lecture: 3 Hrs per week; Tutorial: 1 Hr per week; Contact Hours: 45; Full Marks: 100

Learning Objectives

LO1: The goal of this course is to introduce concept of governance and constitution.

LO2: To provide an overview of the different practices and law, and its awareness among the students.

Course Outcomes

CO1: Understanding the situation of governance and constitution.

CO2: Create awareness of rights and duties amongst students.

CO3: Learning to provide constitutional knowledge

CO4: Understanding and enhancing positive means of law and practices.

Course Content

Unit No.	Content	Contact Hours	CO
1	Indian Constitution: Making and Basic Features 1.1 Meaning of the constitutional law and constitutionalism 1.2 History of Indian Constitution 1.3 Salient features and characteristics of the Constitution of India	15	1, 2
2	Fundamental Rights, Duties and Directive Principles 2.1 Fundamental Rights 2.2 Fundamental Duties and its legal status 2.3 The Directive Principles of State Policy – Its importance and implementation	15	1, 2
3	Union and State: Executive, Judiciary and Legislature 3.1 Union Parliament and State Legislatures: Power and Functions 3.2 Executives at Centre: President, Prime Minister and Council of Ministers 3.3 Executives at State: Governor, Chief Minister and Council of Ministers 3.4 Supreme Court and High Courts: Power and Functions 3.5 Local Self Government: Schemes of Indian Constitution	15	3, 4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	1	1	1	1	-	-	-	-	1	-	3	3	-	1
CO2	1	-	-	2	2	3	3	-	-	2	1	1	3	-
CO3	-	-	-	2	2	-	3	-	-	2	-	-	-	-
CO4	-	1	1	1	-	-	-	2	2	-	1	-	-	3
Average	0.5	0.5	0.5	1.5	1	0.75	1.5	0.5	0.75	0.5	1	1	0.75	1

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books/References

1. Bhargava Rajeev, Politics and Ethics of Indian Constitution, Oxford University Press,2009.
2. Durga Das Basu, Introduction to the Constitution of India,2018.
3. M Laxmikanth, Indian Polity. Sixth Revised Edition, McGrawHill,2022
4. Granville Austin, The Indian constitution: Cornerstone of a Nation, Oxford University Press, 1999
5. Granville Austin, Working A Democratic Constitution, The Indian Experience, Oxford University Press, 1999.
6. Kashyap Subhas, Our Constitution, latest edition
7. Kashyap Subhash, Our Political System, New Delhi: National Book Trust, 2011.
8. W. H. Morris Jones, Government and Politics of India.

SEMESTER I**NSS-001-SE-0010-Computer applications**

Credit: 3; Lecture: 3 Hrs per week; Tutorial: 1 Hr per week; Contact Hours: 45; Full Marks: 100

Learning Objectives

LO1: To introduce the concept of computer, its models and components.

LO2: To understand the significance of computer knowledge in self-growth in our daily and academic life.

Course Outcomes

CO1: Development of theoretical understanding about computer knowledge and how to enhance it.

CO2: Build self-awareness, self-management, social awareness & relationship.

CO3: Discover the various skills of computer knowledge.

CO4: Gain insights into establishing positive relationships between computer's knowledge and other gadgets.

Course Content

Unit No.	Content	Contact Hours	CO
1	Basic Computing Skills 1.1 Introduction to Computers, Classification of Computers, Role of Computer in Society and Security 1.2 Inside Computers- Software (Processing, memory) and Hardware (CPU, OS, DOS, Windows)	15	1, 2
2	Academic Computer Application 2.1 Word Processing, File Management, Spread Sheets, networks, Presentations 2.2 Data Base, Pi Chart, Graphs, Power Point, Excel, Word, PDF etc. 2.3. E-Mail-Reading and Writing, Letter and Report Writing	15	1, 2
3	Computer Network Security 3.1 Definition of Network Security 3.2 Types of Network Security 3.3 Network Security Protection	15	3, 4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	1	-	1	-	-	-	-	-	1	-	-	-	-	-
CO2	-	-	-	-	-	-	3	-	-	-	-	-	3	-
CO3	-	1	-	2	-	2	3	-	-	2	-	3	-	-
CO4	-	1	1	2	2	2	-	2	2	2	1	-	-	3
Average	0.25	0.5	0.5	1	0.5	1	1.5	0.5	0.75	1	0.25	0.75	0.75	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

- 1 Sasikumar.V and P.V. Dhamija. (1993). Spoken English: A Self-Learning Guide to Conversation Practice. 34th Reprint. Tata McGraw-Hill. New Delhi
- 2 V. Syamala, (2002). Effective English Communication for you. Emerald Publishers, Chennai.
- 3 Hewings, Martin. 1999. Advanced English Grammar: A Self-Study Reference and Practice Book for South Asian Students. Reprint 2003. Cambridge University Press. New Delhi.
- 4 Joseph Migga Kizza, 2014. Computer Network Security and Cyber Ethics, 4th Ed.
- 5 Jie Wang, 2006. Computer Network Security: Theory and Practice

SEMESTER – II

(UG Certificate)

SEMESTER II**NSS-001-CC-1210- Conceptual Aspects of War**

Credit: 4 (3L+1P); **Lecture:** 3 Hrs per week
Practical: 2 Hrs per week; **Contact Hours:** 75; **Full Marks:** 100

Learning Objectives

LO1: To introduce the student to the conceptual of war.

LO2: To provide student with a basis for thinking about the war.

Course Outcomes

CO1: Building an understanding about the theories and historical development of war.

CO2: Building understanding about the components of war.

CO3: Building understanding about adverseness of war.

CO4: Understanding the historical roots of war.

Course Content

Unit No.	Content	Contact Hours	CO
1	Concepts of War 1.1. Definition and meaning of War 1.2. Nature, Scope and Principles of War 1.3. Theories of War 1.4. Basic Concepts - Campaign, Battle, Strategy, Tactics, Security and Defence	15	1
2	Guerilla Warfare 2.1 Origin and concept. 2.2 Principles, techniques and characteristics of guerrilla warfare. 2.3 Counter guerrilla measures	15	2
3	Modern Warfare. 3.1 Concept and definition 3.2 Features of Modern Warfare 3.3 Principles of warfare 3.4 Components of war	15	3
4	Nuclear Warfare 4.1 Meaning and Definition of Nuclear Warfare 4.2 Beginning of nuclear era 4.3 Effects of nuclear explosion	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	1	1	1	-	-	-	1	1	-	2	3	2	-
CO2	-	1	-	1	-	-	-	1	1	-	1	1	-	1
CO3	-	1	-	1	-	-	-	1	1	-	1	1	-	1
CO4	-	1	-	3	-	-	-	1	1	-	1	1	-	3
Average	0.75	1	0.25	1.25	0	0	0	1	1	0	1.25	1.25	0.5	1

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books:

- 1 Andreski S., (1968) Military Organization and Society, Univ. California Press, Berkeley.
- 2 Anthony James Joes, (1996) Guerrilla Conflict before the Cold War, Praeger NY.
- 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.

SEMESTER II**NSS-001-MC-1210-Defence Mechanism of Modern States**

Credit: 4; **Lecture:** 3 Hrs per week; **Tutorial:** 1 Hr per week; **Contact Hours:** 60; **Full Marks:** 100

Learning Objectives

LO1: To enable the student to understand the basic knowledge of Defence Mechanism.

LO2: To familiarize students about Higher Defence Organisation.

LO3: To develop an understanding of National Security Council

Course Outcomes

CO1: Understanding the meaning and basic principles of defence hierarchy of India.

CO2: To develop an understanding of Three Tier Services

CO3: Basic knowledge about the second line of defence

CO4: Understanding concept of Organization of Air Force Headquarters.

Course Content

Unit No.	Content	Contact Hours	CO
1	Higher Defence Organisation of India 1.1 Evolution of Higher Defence Organisation of India 1.2 Structure of Higher Defence Organisation of India 1.3 Composition and function of National Security Council 1.4 Cabinet Committee on Security	15	1
2	The Indian Defence Forces 2.1 Rank Structure and Recruitment Methods of the Three Services. 2.2 Important training Institution of the Three Services. 2.3 Second line defence	15	1,2
3	Army Organization 3.1 History of Indian Army 3.2 Organization of army Headquarters 3.3 Armed forces welfare schemes	15	3
4	Air Force Organization 4.1 History of Indian Air Force 4.2 Organization of Air Force Headquarters 4.3 Global Military station of Indian Air Force	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	1	-	1	2	-	-	-	-	1	-	2	2	1	3
CO2	-	-	-	-	-	-	-	-	-	-	1	-	1	-
CO3	-	2	-	-	2	2	3	1	-	2	1	1	1	-
CO4	-	-	-	3	2	1	3	2	-	3	1	1	1	3
Average	0.25	0.5	0.25	1.25	1	0.75	1.5	0.75	0.25	1.25	1.25	1	1	1.5

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

- 1 Government of India, (1924) The Army of India and its Evolution, Calcutta.
- 2 Ministry of Defence, Government of India, Indian Armed Forces Year Book, (Annual).
- 3 Palit, D.K., (1989) Essentials of Military Knowledge, New Delhi.
- 4 Singh, Nagendra., (1967) Defence Mechanism of Modern State, New Delhi.
- 5 Venkateswaran, A.L., (1967) Defence Organisation in India, New Delhi: Government of India

SEMESTER II
NSS-001-MD-1210-World Politics

Credit: 3; Lecture: 2 Hrs per week; Tutorial: 1 Hr per week; Contact Hours: 45; Full Marks: 100
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Learning Objectives

LO1: To introduce the concept of role world politics among students.

LO2: To provide awareness about the major international security issues.

Course Outcomes

CO1: Understanding the theories and approaches in world politics

CO2: Understanding the concept of cold war and post-cold war.

CO3: Understanding issues related to recent defence realm.

CO4: Understanding the concept of globalization, migrations climate change etc.

Course Content

Unit No.	Content	Contact Hours	CO
1	Introduction to World Politics 1.1. World politics: Concept and Scope 1.2. Theories and approaches in world politics 1.3. Sources and methods in world politics 1.4. Détente: Concept and Scope	15	1
2	Historical Evolution of World Politics 2.1. New world order after World War-II 2.2. The emergence of nation-states 2.3. The Cold War and its aftermath 2.4. Confidence Building Measures (CBMs)	15	2
3	Contemporary Challenges and Opportunities 4.1. Globalization: Causes, Effects, Debates 4.2. Climate Change: Causes, Effects, Responses 4.3. Migration: Causes, Effects, Responses 4.4 Pandemic: Causes, Effects, Responses	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	1	-	1	1	-	-	2	1	1	-	2	2	1	1
CO2	-	-	-	2	-	1	2	1	-	2	-	1	1	2
CO3	-	2	-	3	2	2	2	1	-	2	2	1	1	1
CO4	-	2	-	-	-	1	-	-	-	-	1	-	1	-
Average	0.25	1	0.25	1.5	0.5	1	1.5	0.75	0.25	1	1.25	1	1	1

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

- 1 Baylis, John; Steve Smith; and Patricia Owens. (2016) *The Globalisation of World Politics*, Oxford University Press 7th edition
- 2 Daniel Papp, (2002) *Contemporary International Relations: Frameworks for Understanding*, 6th edition Pearson
- 3 Keith L. Shimko (2016) *International Relations: Perspectives, Controversies and Readings* New York: Boston, MA: Cengage
- 4 Audrey Kurth Cronin, "Behind the Curve: Globalization and International Terrorism"
- 5 *International Security*, Winter 2002/03
- 6 "Conflict, Instability and State Failure: The Climate Factor" in Jeffrey Mazo, *Climate Conflict: How Global Warming Threatens Security and What to Do About It* (London: IISS, 2011).
- 7 Kurt M. Campbell, *The Age of Consequences: The Foreign Policy and National Security Implications of Climate Change* (Washington: CSIS, 2007).
http://csis.org/files/media/csis/pubs/071105_ageofconsequences.pdf
- 8 Simmons, Beth and Zachary Elkins "The Globalization of Liberalization: Policy Diffusion in the International Political Economy." *American Political Science Review* 98, 1 (February 2004): 171-189

SEMESTER II

NSS-001-SE-0020-Personality Development and Communication Skills

Credit: 3; Lecture: 2 Hrs per week; Tutorial: 1 Hr per week; Contact Hours: 45; Full Marks: 100
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Learning Objectives

LO1: To provide information about personality development and communication skills

LO2: To help students to enhance their personal and professional growth.

Course Outcomes

CO1: Knowing basic concept of personality and development and their linkages.

CO2: Students will learn to assess one's own personality traits, strengths, weaknesses, and communication preferences.

CO3: Becoming aware from different deformities.

CO4: Develop and help to students improve their self-awareness, self-confidence, interpersonal skills, and communication skills.

Course Content

Unit No.	Content	Contact Hours	CO
1	Personality Development 1.1. Meaning and Scope of Personality Development 1.2. Factors and Influences that shape one's personality 1.3. Self-Assessment and Self-Awareness 1.4. Strengths, Weaknesses, Opportunities, and Threats (SWOT analysis).	15	1
2	Communication Skills 2.1. The Nature, Process, and Types of Communication 2.2. Verbal and Non-Verbal Communication Skills 2.3. Active Listening Skills and Empathetic Responses 2.4. Self-Motivation Strategies and Techniques.	15	2, 3
3	Practices 3.1 Best communication: University/Colleges/Others Places 3.2 Manner and Ethics 3.3 Moral Obligations 3.3 Duty to nature	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	1	-	2	3	2	2	-	-	1	-	2	2	1	3
CO2	-	1	2	-	2	2	-	-	-	-	1	-	1	-
CO3	-	-	2	-	2	2	3	1	-	2	1	1	1	-
CO4	-	-	2	-	1	1	3	2	-	3	1	1	1	-
Average	0.25	0.25	2	0.75	1.75	1.75	1.5	0.75	0.25	1.25	1.25	1	1	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

- 1 Andrews, Sudhir. How to Succeed at Interviews. 21st (rep.) New Delhi. Tata McGraw-Hill 1988.
- 2 Heller, Robert. Effective leadership. Essential Manager series. Dk Publishing, 2002
- 3 Hindle, Tim. Reducing Stress. Essential Manager series. Dk Publishing, 2003
- 4 Hurlock, E.B (2006). Personality Development, 28th Reprint. New Delhi: Tata McGraw Hill.
- 5 Lucas, Stephen. Art of Public Speaking. New Delhi. Tata - Mc-Graw Hill. 2001
- 6 Mile, D.J Power of positive thinking. Delhi. Rohan Book Company, (2004).
- 7 Pravesh Kumar. All about Self- Motivation. New Delhi. Goodwill Publishing House. 2005.
- 8 Smith, B. Body Language. Delhi: Rohan Book Company. 2000

SEMESTER - III

SEMESTER III

NSS-2001-CC-2110- National Security: Conceptual aspects

Credit: 4; Lecture: 3 Hrs per week; Tutorial: 1 Hr per week; Contact Hours: 60; Full Marks: 100

Learning Objectives

LO1: To create awareness of the basic assumption of national security.

LO2: The course will able to educate about the national security concepts.

Course Outcomes

CO1: Understand the various phases of national security

CO2: Develop core competencies in national security affairs by building his/her capacity on essentials of National Security through theory and practice

CO3: Understand the national security challenges both internal and external a country face

CO4: Understand the Contemporary security environment in the world.

Course Content

Unit No.	Content	Contact Hours	CO
1	National Security 1.1 Concept of National Security 1.2 Origin of National Security Studies 1.3 Dimensions of National Security 1.4 Different phases of National Security	15	1
2	Elements of National Security 2.1 Political Elements 2.2 Economic Elements 2.3 Strategic Elements 2.4 Military preparedness	15	2
3	Challenges to National Security 3.1 Internal Challenges 3.2 External Challenges	15	3
4	Military Alliances and their role in 21st century 4.1 Meaning and significance 4.2 NATO, WARSAW Pact and Collective Security Treaty Organization (CSTO) 4.3 Security in the Contemporary World	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	-	2	-	-	-	2	2	1	3
CO2	3	3	3	-	3	2	2	3	3	-	1	-	1	-
CO3	3	3	3	-	3	2	2	3	3	2	1	1	1	-
CO4	3	3	3	3	3	2	2	2	-	3	1	1	1	-
Average	3	3	3	1.25	3	1.5	2	2	1.5	1.25	1.25	1	1	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

1. Booth, Ken, (2007), Theory of World Security: Cambridge University Press, Cambridge.
2. Buzan, Barry., (1987), People, State and Fear, Trans Asia Publications. New Delhi.
3. Chowdhary, Subrata Roy., (1966), Military Alliances and Neutrality in War and Peace, Orient Longman, New Delhi,
4. Das, S.T., (1987), National Security in Perspective, Gyan Publishing House, New Delhi.32
5. Frankel, Joseph, (1970), National Interest, Macmillan London.
6. Military Balance., Latest Edition (IISS)
7. Morgenthau, Hans J., (1969), Politics among Nations, Scientific Book Agency, Calcutta.
8. Palmer, Norman D. and Perkins, Howard C., (1968), International Relations, Scientific Book Agency, Calcutta.
9. Singh, Nagendra., (1974), The Defence Mechanism and the Modern State, Asia Publishing House. New Delhi.

SEMESTER III

NSS-001-CC-2120- Practical: Basics of TEWTs (Tactical Exercise Without Troops) /Sand Model Exercises, Sketching and discussion.

Credit: 4; Practical: 8 Hrs per week; Contact Hours: 120; Full Marks: 100

Learning Objectives

LO1: To coordinate our past and present military history.

LO2: To learn the report writing on various security issues.

Course Outcomes

CO1: Students learn to identify the various problems of war.

CO2: Know the evaluation procedure of war study.

CO3: To learn how war gives certain military teaching.

CO4: Enhance the competency of students to become better defence expert in military history realm.

Course Content

Unit No.	Content	Contact Hours	CO
1	Sand Model/Paper Clipping (on current security issues recommend by faculty in charge (1.1,1.2, 1.3)) on: 1.1 Battle of Panipat First, 1526 1.2 Battle of Panipat Second, 1556 1.3 Battle of Assaye, 1803	30	1,2,3,4
2	Sketching of the Charts of Indian Battles 2.1 Battle of Thagla Ridge, 1962. 2.2 Indo-Pak War-1971 2.3 Kargil Conflict, 1999.	30	1,2,3,4
3	Sketching of the Charts of Western Battles 3.1 Battle of Trafalgar, 1805 3.2 Battle of Waterloo, 1815 3.3 Arab-Israel War, 1967.	30	1,2,3,4
4	Report writing and group discussion on current defence topics 4.1. Report writing on any Strategic Monuments/Institute/Centre 4.2 Group discussion on any recent Indian Security issues. 4.3 Group discussion on any recent Global Security issues.	30	1,2,3,4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	-	2	-	-	-	2	3	3	2
CO2	3	3	3	-	-	2	2	3	3	-	3	3	3	-
CO3	3	3	3	-	-	2	2	3	3	2	3	3	3	-
CO4	3	3	3	3	3	2	2	2	-	3	3	3	3	-
Average	3	3	3	1.5	1.5	1.5	2	2	1.5	1.25	3	3	3	0.5

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

General Instructions

1. Workload for each batch will be equivalent to eight lecture periods
2. Students will be required to maintain journal for this course and obtain the completion certificate from the teacher in-charge. Without this certificate, the students will not be allowed to appear for the internal examination and/ end semester examination as per the rules of credit system.

SEMESTER III
NSS-001-MC-2110- Defence Journalism

Credit: 4; Lecture: 3 Hrs per week; Tutorial: 1 Hr per week; Contact Hours: 60; Full Marks: 100
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Learning Objectives

LO1: To understand how the media whether print or visual shall report various aspects of defence and national security for international community in general and state in particular.

LO2: To practice the role of media in war and peace.

Course Outcomes

CO1: Development of orientation towards the relationship between media and strategic news.

CO2: Learning how to augment overall well-being of a person.

CO3: To create a good understanding about Media Ethics and Media Laws besides getting exposure to the practical aspects of defence journalism.

CO4: The real war front reporting, problems and journalism laws.

Course Content

Unit No.	Content	Contact Hours	CO
1	Fundamentals of Defence Journalism 1.1 Concept, Meaning and Features. 1.2 Differences between Civil Journalism & Defence journalism. 1.3 Definition/Kinds/Sources of Defence News. 1.4 Defence Writing Procedure	15	1
2	Defence Reporting 2.1 Format languages and grammar 2.2 Forms – Eye witness, computer assigned features 2.3 Concept of Graphics and Animation (Role of Modern Technology)	15	1,2
3	Defence Terminology 3.1 Defence terms & Abbreviations 3.2 Military terms – Weapons, Weapons system 3.3 Defence organization – Rank and Rank structure in the services in India	15	3
4	Problem in Defence Writing 4.1 Media Ethics 4.2 Media Laws 4.3 Problem in Defence Writing – Political Pressure, Official Secrecy – etc.,	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	-	3	-	-	2	-	-	-	2	2	3	3
CO2	3	3	-	3	-	2	2	3	3	-	1	-	3	3
CO3	3	3	-	3	-	2	2	3	3	2	1	1	3	3
CO4	3	3	2	3	3	2	2	2	-	3	1	1	3	3
Average	3	3	0.5	3	0.75	1.5	2	2	1.5	1.25	1.25	1	3	3

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

1. Allan, Stuart & Barbie Zelizer (ed), (2004) Reporting War: Journalism in Wartime, Publisher Routledge; 1st edition. Paperback.
2. Bhatt, S.C., (2005) Practical Journalism, Aavishkar. Jaipur.
3. Chatterjee, R.K., (1973) Mass Communication, National Book Trust. New Delhi.
4. Dhara, R., (1945) Journalism, Industry Publishers. Calcutta.
5. Narayanan, Varun Dev (2021) Defence Journalism, publisher: Sumith Enterprises; 1st edition.
6. Saxena, Sangeeta (1997) Defence Journalism in India, Manas Publications.
7. Seib, Philip, Piers Robinson, Romy Fröhlich (ed), (2020) Routledge Handbook of Media, Conflict and Security. Paperback.

SEMESTER III

NSS-001-MD-2110- International Organisation and Global Governance

Credit: 3; Lecture: 2 Hrs per week; Tutorial: 1 Hr per week; Contact Hours: 45; Full Marks: 100
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Learning Objectives

LO1: To develop understanding about International Organisation and Global Governance.

LO2: To understand the design and functioning of IOs and their interactions with states and other non-state actors.

LO3: To locate actors, sources of authority and identify challenges in global governance.

Course Outcomes.

CO1: Develop understanding why states cooperate and create institutions to address collective action problems.

CO2: To develop processes that characterize governance in an increasingly interconnected and politicized global context.

CO3: Development to critically evaluate the process of decision-making at the global level in major policy domains

Course Content

Unit No.	Content	Contact Hours	CO
1	Introduction to International Organisation and Global Governance 1.1 Historical evolution 1.2 Definition, Typology, Roles and Functions 1.3 Governance in a globalizing world 1.4 Pressure Groups	15	1
2	Actors and Institutions in Global Governance 2.1 The UN System – Evolution in a changing global context 2.2 World Bank, IMF, WTO 2.3 G20, BRICS, SCO 2.4 Regional Organizations (EU, ASEAN, SAARC)	15	2, 3
3	Global Governance and Role of International Organisations 3.1 Trade, finance and development 3.2 Human Rights and Human Security 3.3 Environment and Health 3.4 Sustainable Development Goals (SDG)	15	3, 4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	-	3	-	3	3	3	3	3	-
CO2	3	3	-	3	-	-	-	-	-	-	3	-	3	-
CO3	3	3	-	3	-	3	-	3	-	-	3	-	3	-
Average	3	3	1	3	1	1	1	1	1	1	3	1	3	0

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

1. Diehl, Paul F. (ed.) (2005). *Politics of Global Governance: International Organizations in an Interdependent World*, Boulder, CO: Lynne Rienner.
2. Dingwerth, Klaus and Philipp Pattberg (2006). *Global Governance as a Perspective on World Politics*. *Global Governance*, 12: 185-203.
3. Archer, Clive (2015). *International Organisations*, London: Routledge.
4. Hurd, Ian (2018). *International Organizations: Politics, Law, Practice*, New York: Cambridge University Press.
5. Dutt, Sagarika (2012). *The UN and Global Governance: Do Ideas Alone Help?* *India Quarterly*, 68(2): 187-194.
6. Kaldor, Mary (2003). *The Idea of Global Civil Society*. *International Affairs*, 79 (3): 583-593.
7. George Weiss and Ramesh Thakur (eds.) (2010), *Global Governance and the UN: An Unfinished Journey*, Bloomington: Indiana University Press.
8. Goodrich, Leland M. (1947). *From League of Nations to United Nations*. *International Organization*, 1(1): 3-21
9. Ng N, Ruger J (2011). *Global health governance at the crossroads*. *Global Health Governance*, 3(2): 1-37.
10. Lee, Kelly and Adam Kamradt-Scott (2014). *The multiple meanings of global health governance: a call for conceptual clarity*. *Globalization and Health*, 10 (28), • Woods, Ngaire (2010). *Global governance after the financial crisis: a New multilateralism or the last gasp of the great powers?* *Global Policy*, 1: 51-63.
11. Newell, Peter (2008). *The Political Economy of Global Environmental Governance*. *Review of International Studies* 34 (3): 507-529.

SEMESTER III

NSS-001-SE-0030-Environmental Science

Credit: 3; **Lecture:** 2 Hrs per week; **Tutorial:** 1 Hr per week; **Contact Hours:** 45; **Full Marks:** 100

Learning Objectives

LO1: Understanding the basic knowledge of environment.

LO2: To understand and evaluate the global scale of environmental problems.

LO3: Demonstrating environmental security in various ways.

Course Outcomes

CO1: Understand the concept and the importance of environmental science.

CO2: Understand the various types and effects on ecosystems.

CO3: Basic understanding of other environmental challenges such as desertification, deforestation and environmental pollution.

CO4: Understanding various environmental issues.

Course Content

Unit No.	Content	Contact Hours	CO
1	Fundamentals of Environmental Science 1.1 Concept and nature of Environmental Science 1.2 Scope and importance; 1.3 Concept of sustainability and sustainable development	15	1
2	Natural Resources: Renewable and Non-Renewable Resources 2.1 Land resources and land use change; Land degradation, soil erosion and desertification. 2.2 Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity. 2.3 Energy resources: Renewable and nonrenewable energy sources, use of alternate energy sources	15	1
3	Environmental Pollution 3.1 Concept of Environmental pollution: 3.2 Causes and Types of Environmental Pollution 3.3 Effects of Environmental Pollution	15	2

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	-	2	-	-	-	3	2	1	3
CO2	3	3	3	3	3	2	2	3	3	-	3	-	1	-
CO3	3	3	3	3	3	2	2	3	3	2	3	-	1	-
CO4	3	3	3	3	3	2	2	2	-	3	3	-	1	-
Average	3	3	3	3	3	1.5	2	2	1.5	1.25	3	0.5	1	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

1. Pepper, I.L., Gerba, C.P. & Brusseau, M.L. 2011. Environmental and Pollution Science. Academic Press.
2. Rao, M.N.& Datta, A.K. 1987. Waste Water Treatment. Oxford and IBH Publishing Co. Pvt. Ltd.
3. Sengupta, R. 2003. Ecology and economics: An approach to sustainable development.
4. Singh, J.S., Singh, S.P. and Gupta, S.R. 2014. Ecology, Environmental Science and Conservation. S. Chand Publishing, New Delhi.

SEMESTER – IV
(UG Diploma)

SEMESTER IV**NSS-001-CC-2210- Study of Terrorism**

Credit: 4; **Lecture:** 3 Hrs per week; **Tutorial:** 1 Hr per week; **Contact Hours:** 60; **Full Marks:** 100

Learning Objectives

LO1: To understand concept, causes and effect of terrorism and its types.

LO2: To understanding of the history of terrorism, terrorist organizations

Course Outcomes

CO1: To understand the theories and frameworks explaining terrorist motivations and behaviors.

CO2: Understand the concept of Terrorism and its manifestations in historical perspective.

CO3: Motivated organised violence targeting the population and the government threatening the existing social and political order has become very prevalent in today's world.

CO4: Basic understanding of terrorism is essential to appreciate the events in right perspective.

Course Content

Unit No.	Content	Contact Hours	CO
1	Introduction 1.1, Meaning, Definition and History of Terrorism. 1.2 Means of counter Terrorism 1.3 Nature and Tactics of Terrorism,	15	1,2
2	Terrorism in perspective 2.1 Causes of Terrorism. 2.2 Types of Terrorism. 2.3 Effect of Terrorism.	15	1
3	Major Terrorist Groups: 3.1 Regional and Global Perspective. 3.2 Financing of Terrorism: 3.3 Sources, Methods and Channels	15	3,4
4	Global Response to Terrorism 4.1 Role of International Organisations – (United Nations and others) 4.2 Bi/Multi-lateral Collaboration in counter terrorism 4.3 War against Terrorism- responses of Major Powers.	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	-	-	-	2	2	1	3
CO2	3	3	3	-	-	2	2	3	3	-	1	-	1	-
CO3	3	3	3	-	3	2	2	3	3	2	1	-	1	-
CO4	3	3	3	3	-	2	2	2	-	3	1	2	1	-
Average	3	3	3	1.25	0.75	1.5	2	2	1.5	1.25	1.25	1	1	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

1. Yonah Alexander, David Carton and Paul Wilkinson, Terrorism: Theory and Practice, Colorado: West View Press,1979.
2. Walter Laqueur, Terrorism, Boston: Little Brown and Co., 1977.
3. B.P. Singh, Sehgal, Global Terrorism: Socio-Political and Legal Dimensions, New Delhi: Deep & Deep Publications,1996.
4. Encyclopedia of International Terrorism: Terrorism in World Countries, Vol.2, New Delhi: Deep & Deep Publications,2002.
5. Aubrey, Stefan M. (2004), The New Dimension of International Terrorism, Zurich: VDF
6. Freeman, Michael (2013), Financing Terrorism: Case Studies, New Delhi: Ashgate Publications
7. Martin, G. (2013), Essentials of terrorism: Concepts and controversies, London: Sage Publications.
8. O'Day, A. (eds.) (2004), Dimensions of terrorism (Vol. 1), VT: Ashgate Publication Limited.

SEMESTER IV**NSS-001-CC-2220-Weapon of Mass Destruction, Nuclear Proliferation and National Security**

Credit: 4; **Lecture:** 3 Hrs per week; **Tutorial:** 1 Hr per week; **Contact Hours:** 60; **Full Marks:** 100

Learning Objectives

LO1: To understand the meaning and concept of weapons of mass destructions.

LO2: To introduce students to reasons why states seek nuclear weapons.

Course Outcomes

CO1: Understand the basic knowledge of nuclear proliferation.

CO2: Understand the nexus between terrorism and nuclear proliferation

CO3: Understand the brief knowledge of national security.

CO4: Understand the relationship between national security and weapons of mass destruction (WMDs).

Course Content

Unit No.	Content	Contact Hours	CO
1	Science of Weapons of Mass Destruction (WMD) and Risks Involved 1.1 Introducing the Science behind Nuclear Energy and WMDs 1.2 Challenges for Avoiding proliferation 1.3 Effects of Nuclear, Chemical and Biological Weapons 1.4 Risks involved in dealing with Nuclear Energy and WMDs	15	1
2	Proliferation of Weapons of Mass Destruction 2.1 Major Drivers (Security related drivers, Domestic Politics related drivers, Norms and Prestige related drivers), Waltz and Sagan debate about 'Spread of Nuclear Weapons' 2.2 Types of nuclear proliferation 2.3 ABC weapons-Atomic, Biological Chemical Weapons	15	2,3
3	Nuclear Strategy, Deterrence and Weapons of Mass Destruction 3.1 Understanding the basic concepts of Nuclear Deterrence 3.2 Nuclear Treaties-Nuclear Proliferation Treaty (NPT), Strategic Arms Limitation Treaties-I, II (SALT-I, II), Anti-Ballistic Missile Treaty (ABM), Strategic Arms Reduction Treaty-I, II (START-I, II), Comprehensive Nuclear-Test-Ban Treaty (CTBT) 3.3 Nuclear Doctrine/Policy- India, China and Pakistan	15	3
4	Terrorism and Nuclear Proliferation 4.1 Definition of nuclear terrorism 4.2 The Nexus of proliferation and terrorism 4.3 Impacts of nuclear terrorism	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	-	-	-	3	3	3	-
CO2	3	3	-	3	3	2	2	3	3	-	3	-	3	3
CO3	3	3	-	3	-	2	2	3	3	2	3	-	3	3
CO4	3	3	-	3	-	2	2	2	-	3	3	-	3	3
Average	3	3	0.75	3	0.75	1.5	2	2	1.5	1.25	3	0.75	3	2.25

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

1. "How Do Nuclear Weapons Work?" Union of Concerned Scientists,
2. Richard Rhodes and Denis Beller, "The Need for Nuclear Power," Foreign Affairs, Vol. 79, No. 1 (Jan. - Feb., 2000), pp. 30-44.
3. Scott D. Sagan, 'The perils of proliferation: Organization theory, deterrence theory, and the spread of nuclear weapons', International Security, Vol. 18, No. 4, Spring 1994, pp.66-107.
4. Scott D. Sagan, "Why Do States Build Nuclear Weapons? Three Models in Search of a Bomb," International Security, Vol. 21, No. 3, Winter, 1996-1997, pp. 54-86.
5. Kenneth N. Waltz and Scott. D. Sagan, The Spread of Nuclear Weapons: A debate, New York: W. W. Norton, 1995. (Selected Sections).
6. Richard Price, "A genealogy of the chemical weapons
7. Ward Wilson, Five Myths About Nuclear Weapons, Houghton Mifflin Harcourt, 2013. (Selected Sections).
8. Lawrence Freedman, The Evolution of Nuclear Strategy, London: Macmillan Press Ltd, 1989 (Chapters - 1, 6, 9, 15, 16, 17).
9. Jervis, Robert, Perception and Misperception in International Politics, Princeton: Princeton University Press, 1976. (Chapter 3).
10. Scott D. Sagan, Moving Targets: Nuclear Weapons and National Security, Princeton, NJ: Princeton University Press, 1989. (Chapter 1).
11. Robert W Marrs. "Nuclear Terrorism: Rethinking the Unthinkable", Publisher: University Press of the Pacific,2004.
12. Graham Allison. "Nuclear Terrorism: The Ultimate Preventable Catastrophe" New York: Times Books Henry and Holt and Company,2004

SEMESTER IV**NSS-001-CC-2230-Arms Control and Disarmament**

Credit: 4; Lecture: 3 Hrs per week; Tutorial: 1 Hr per week; Contact Hours: 60; Full Marks: 100

Learning Objectives

LO1: To understand the arms control and disarmament conceptual aspects.

LO2: To demonstrate the importance of norms and treaties in global efforts to control proliferation of nuclear weapons and eliminate nuclear weapons.

Course Outcomes

CO1: Understand the conceptual difference of arms control and disarmament.

CO2: Understand the importance of norms and treaties in global efforts to control proliferation of nuclear weapons and eliminate nuclear weapons.

CO3: Comprehend the various efforts made to control Arms race, Control Regimes.

CO4: Understand arms control and disarmament under Leagues of nation and United Nations

Course Content

Unit No.	Content	Contact Hours	CO
1	Introduction 1.1 Arms Control and Disarmament – Concepts, Objectives, Approaches to Arms Control and Disarmament 1.2 Differences between Arms Control, Disarmament, Arms Limitations and Arms Reduction. 1.3 Nature and Scope of Arms Control and Disarmament.	15	1,2
2	Arms Control and Disarmament 2.1 Under League of Nations. 2.2 Under United Nations. 2.3 Causes and failures.	15	3
3	Treaties and Conventions-I 3.1 Chemical Weapons Convention and Biological Weapons Convention 3.2 Major treaties (PTBT, FMCT, Nuclear Security Summits) 3.3 Export Control Regimes (MTCR, NSG)	15	4
4	Nuclear Programme and Development 4.1 China's Nuclear Programme and Development 4.2 India's Nuclear Programme and Development 4.3 Pakistan's Nuclear Programme and Development	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	-	2	-	-	-	3	3	3	3
CO2	3	3	3	-	3	2	2	3	3	-	3	3	3	-
CO3	3	3	3	-	3	2	2	3	3	2	3	3	3	-
CO4	3	3	3	3	-	2	2	2	-	3	3	3	3	-
Average	3	3	3	1.25	2.25	1.5	2	2	1.5	1.25	3	3	3	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

1. Subramaniam, K., Nuclear Proliferation and International Security, New Delhi: Lancer,1986.
2. Pande, S., Future of NPT, New Delhi: Lancer,1995.
3. Mistry, D., Containing Strategic Missile Proliferation, Seattle: University of Washington Press, 2005.
4. Cohen, S.P., Nuclear Proliferation in South Asia: The Prospects for Arms Control, New Delhi: Lancer,1994.
5. Bhattachatyaa, D.C., International Relations Since the Twentieth Century, Kolkata: Vijaya Publishing House, 2001.
6. Emanuel Adler, “The Emergence of Cooperation: National Epistemic Communities and the International Evolution of the Idea of Nuclear Arms Control.” International Organization, 1992, Vol. 46, 1, pp. 101-145.
7. Francis J. Gavin, “Blasts from the Past: Proliferation Lessons from the 1960s,” International Security, 2004, Vol. 29, 3, pp. 100-135.
8. Nina Tannenwald, “The Nuclear Taboo: The United States and the Normative Basis of Nuclear
9. Scott Sagan, “Evolution of Pakistani and Indian Nuclear Doctrine,” in Scott Sagan Ed. Inside Nuclear South Asia, New Delhi: Foundation Books, 2011.
10. “Draft Report of National Security Advisory Board on Indian Nuclear Doctrine”, Ministry of External Affairs, August 17, 1999, available at <http://www.mea.gov.in/in-focus-article.htm?18916/Draft+Report+of+National+Security+Advisory+Board+on+Indian+Nuclear+Doctrine>

SEMESTER IV**NSS-001-CC-2240-Practical: Sketching of the Strategic Maps India and World.**

Credit: 4; **Practical:** 8 Hrs per week; **Contact Hours:** 120; **Full Marks:** 100

Learning Objectives

LO1: To enable students to familiarize the role Indian Arms Forces and Para Military.

LO2: To analyze the relationship between Indian Arms Forces and Para Military.

LO3: To familiarize the students the role of NDRF, NCC, NSS and NYK.

Course Outcomes

CO1: Understand importance and role of Indian Arms Forces and Para Military.

CO2: Understand importance of regional cooperation and international cooperation.

CO3: Learn certain professional skill and duty of NDRF.

CO4: Enhance the competency of students to become better strategic culture.

Course Content

Unit No.	Content	Contact Hours	CO
1	Sketching of the Strategic Maps of India 1.1 India and her neighbours. 1.2 Indian States and Union Territories with Capitals. 1.3 Atomic Reactors. 1.4 Government and private defence good's production units in India	30	1,2,3,4
2	Sketching of the Strategic Maps of India 2.1 World Map during Second World War. 2.2 Countries of NATO, SAARC, ASEAN and SCO 2.3 Non-Aligned Countries. 2.4 Countries of IORA, QUAD, Five Eyes and I2U2	30	1,2,3,4
3	Sketching of Higher Defence Organisation of India 3.1 Army Command 3.2 Navy Command 3.3 Air Force Command 3.4 SSB and ITBT local command Units in Arunachal Pradesh	30	1,2,3,4
4	Sketching of location 4.1 NDRF Units in Arunachal Pradesh 4.2 NCC Units in Arunachal Pradesh 4.3 NSS Units in Arunachal Pradesh 4.4 NYK Units in Arunachal Pradesh	30	1,2,3,4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	-	2	-	-	-	3	3	3	3
CO2	3	3	3	-	-	2	2	3	3	-	3	3	3	-
CO3	3	3	3	-	-	2	2	3	3	2	3	3	3	-
CO4	3	3	3	3	-	2	2	2	-	3	3	3	3	-
Average	3	3	3	1.25	0.75	1.5	2	2	1.5	1.25	3	3	3	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

General Instructions

1. Workload for each batch will be equivalent to eight lecture periods.
2. Students will be required to maintain journal for this course and obtain the completion certificate from the teacher in-charge. Without this certificate, the students will not be allowed to appear for the internal examination and/ end semester examination as per the rules of credit system.

SEMESTER IV**MC-2210-Insurgency and Counter Insurgency / VOC-2**

Credit: 4; **Lecture:** 3 Hrs per week; **Tutorial:** 1 Hr per week; **Contact Hours:** 60; **Full Marks:** 100

Learning Objectives

LO1: To understand the analytical abilities in the field of insurgency a counterinsurgency and present logical and consistent arguments referencing material related to the course.

LO2: To learn Be able to examine different characteristics of an insurgency.

LO3: Have a comprehensive understanding of the revolutionary and guerilla warfare.

Course Outcomes

CO1: The students will be able to understand differentiate between insurgency and other types of conflicts.

CO2: The students will also gain information about the knowledge various tactics of insurgency and counter insurgency.

CO3: Understand how counter insurgency operations are carried out worldwide and India in particular.

CO4: Assess the causes for the successes and failures of several insurgency movements.

Course Content

Unit No.	Content	Contact Hours	CO
1	Conceptual Aspects 1.1 Insurgency 1.2 Counter-Insurgency 1.3 Guerilla Warfare and Tactics of Guerilla Warfare	15	1,3
2	Revolutionary War and Guerilla Warfare 2.1 Meaning and Objectives 2.2 History 2.3 Success and Failures	15	2
3	Theory of Guerilla warfare 3.1 Mao – Tse –Tung 3.2 Che Guevara 3.3 Shivaji	15	2
4	Counter-Insurgency 4.1 Basic Principles 4.2 Counter-Insurgency in North East India 4.3 Counter insurgency in the Mountains of Greece and in the jungles of Malaya.	15	3

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	-	-	-	3	3	3	3
CO2	3	3	-	3	-	2	2	3	3	-	3	-	3	3
CO3	3	3	3	3	3	2	2	3	3	2	-	-	3	3
CO4	3	3	3	3	-	2	2	2	-	3	-	3	3	3
Average	3	3	0.75	3	0.75	1.5	2	2	1.5	1.25	1.5	1.5	3	3

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

1. Das, S T (1970) An Introduction to the Art of War, Sagar Publications, New Delhi.
2. Galula, David (1971) Counterinsurgency Warfare, Sagar Publications, New Delhi.
3. Guevara, Che (1969) Guerrilla Warfare, Penguin, London.
4. Laqueur, Walter, (1977) Guerrilla: A Historical and Critical Study, Weidenfeld and Nicolson, London.
5. Lawrence, T.E. (1927) Revolt in the Desert, Jonathan Cape, London.
6. Osanka, Franklin Mark (ed.,) (1962) Modern Guerrilla Warfare, The Free Press of Glencoe, New York.
7. Palit, D.K. (1970) The Essentials of Military Knowledge, The English Book Depot, Dehradun.
8. Pye, Lucian W., (1956) Guerrilla Communism in Malaya, Princeton University Press, Princeton, New Jersey.
9. S T Das, (1970) An Introduction to the Art of War, Sagar Publishers, New Delhi.
10. David Galula, (1971) Counterinsurgency Warfare, Sagar Publishers.

SEMESTER – V

SEMESTER V**NSS-001-CC-3110- Military History of India**

Credit: 4; Lecture: 3 Hrs per week; Tutorial: 1 Hr per week; Contact Hours: 60; Full Marks: 100

Learning Objectives

LO1: To understand the evolution of Indian art of warfare.

LO2: This course intends to understand military system in late medieval period.

LO3: This course intends to enhance the knowledge and skills of the students with the historical aspects of Indian Art of Warfare.

Course Outcomes

CO1: 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.

CO2: Understand the evolution of art of warfare in India

CO3: Acquaint the evolutionary changes in the art and science of war in India through ages.

CO4: Understand the different military teaching from different battles/conflicts.

Course Content

Unit No.	Content	Contact Hours	CO
1	Development of Military System 1.1 Development of Military System and Military organisations as outlined in the Vedic and Epic literatures (Ramayana and Mahabharat). 1.2 Indian Philosophy of War- Manu-Kautilya-Military Organization, weapon, Patterns, of Warfare. 1.3 Mauryan Military System as described by Kautilya.	15	1
2	Military System during late Medieval period 2.1 Mughal Military System- New Trends –causes of Failure. 2.2 Maratha Military System- Land and Sea Warfare –Impact of Western influence during 18th century. 2.3 Sikh Military System- Pattern of Warfare of Khalsa Army	15	2,3
3	Military system after British rule up to 1857 3.1 Anglo-Sikh Warfare with special reference to the battle of Sobraon. 3.2 Presidency Armies- Development with special reference to the battle of Assaye, 1803 A.D. 3.3 Causes of 1857 incident	15	3
4	India's Wars post-independence (In Brief) 4.1 The First India-Pakistan War (1947- 1948) 4.2 India-China War of 1962 4.3 The India Pakistan War of 1965 4.4 Liberation of Bangladesh-1971 4.4 The Kargil Conflict of 1999	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	-	-	-	3	3	3	3
CO2	3	3	-	-	3	2	2	3	3	-	3	-	3	-
CO3	3	3	-	-	-	2	2	3	3	2	3	-	3	-
CO4	3	3	-	3	3	2	2	2	-	3	3	-	3	-
Average	3	3	0.75	1.25	1.5	1.5	2	2	1.5	1.25	3	0.75	3	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

1. Singh, S.D. Ancient Indian Warfare with special reference to the Vedic Period
2. Kangle, R.P., (1963) Kautilya`s Arth Shastra, University of Bombay, Mumbai.
3. Basham, A.L. The Wonder that was India.
4. Dikshitar, R.C. War in Ancient India
5. Fuller, J.F.C. The Generalship of Alexander the Great.
6. Majumdar, R.C. Classical Account of India
7. Bhartiya Vidya Bhawan Publication The Age of Imperial
8. Shastri, K.A. Nilakantha Age of the Nandas and Mauryans
9. Ghoshal, U.N. A History of Indian Public Life
10. Shastri, K.A. Nilakantha A Comprehensive History of India Vol.II
11. Majumdar, R.C. The Classical Age.

SEMESTER V**NSS-001-CC-3120- Contemporary Strategic Environment of India**

Credit: 4; Lecture: 3 Hrs per week; Tutorial: 1 Hr per week; Contact Hours: 60; Full Marks: 100

Learning Objectives

LO1: Identify and explain key geopolitical factors influencing India's strategic environment.

LO2: Analyze India's military doctrine, defense posture, and modernization priorities in response to security threats.

LO3: Evaluate India's strategic partnerships and cooperation initiatives with other countries and international organizations

Course Outcomes

CO1: Enhance the understanding of various aspects of strategic environment.

CO2: Develop the critical thinking of strategic environment in India.

CO3: Assess the implications of regional and global security dynamics on India's national security policies.

CO4: Understand the strategic culture in India.

Course Content

Unit No.	Content	Contact Hours	CO
1	Geopolitical Dynamics 1.1 India's Geopolitical Context: Historical Perspectives and Contemporary Challenges 1.2 Regional Security Architecture: South Asia, Indian Ocean Region, and Indo-Pacific Dynamics 1.3 Strategic Challenges and Opportunities: China, Pakistan, and Neighboring Countries	15	1
2	Defense Policies and Military Modernization 2.1 India's Defense Policy Framework: Strategic Objectives, Doctrines, and National Security Strategy 2.2 Military Modernization Initiatives: Technological Innovation, Force Projection Capabilities, and Defense Procurement Policies 2.3 Nuclear Strategy and Deterrence: India's Nuclear Doctrine and Strategic Stability	15	3
3	Security Challenges and Threats 3.1 Counterterrorism and Internal Security Challenges: Insurgency, Militancy, and Border Security 3.2 Cyber Security Threats and Challenges: Safeguarding India's Digital Infrastructure and Information Networks 3.3 Non-traditional Security Challenges: Climate Change, Pandemics, and Energy Security	15	2,3
4	Strategic Partnerships and Diplomatic Initiatives 4.1 India's Strategic Partnerships: United States, Russia, and Key Regional Allies 4.2 Defence Diplomacy and Military Cooperation: Bilateral and Multilateral Engagements, and Regional Cooperation Initiatives: SAARC, BIMSTEC, and ASEAN	15	3

	4.3 India's Role in Global Governance and Multilateral Institutions: UN Security Council, G20, and Regional Forums		
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Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	-	-	-	3	3	3	3
CO2	3	3	-	-	3	2	2	3	3	-	3	-	3	-
CO3	3	3	-	-	-	2	2	3	3	2	3	-	3	-
CO4	3	3	-	3	-	2	2	2	-	3	3	-	3	-
Average	3	3	0.75	1.25	0.75	1.5	2	2	1.5	1.25	3	1.5	3	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

1. "India's Foreign Policy: Retrospect and Prospect" by Sumit Ganguly and C. Raja Mohan
2. "India's National Security: A Reader" edited by Kanti Bajpai, Harsh V. Pant, and Sumit Ganguly
3. "Armed Forces and Society in India" edited by Kanti Bajpai and Sumit Ganguly
4. "India's Military Modernization: Challenges and Prospects" edited by Satish Kumar
5. "India's Nuclear Policy" by Bharat Karnad
6. "The Indian Army: A Brief History" by Maj. Gen. Ian Cardozo
7. "India's China Challenge: A Journey through China's Rise and What It Means for India" by Ananth Krishnan
8. "India-Pakistan Relations: From Rivalry to Reconciliation" by T.V. Paul
9. "India's Wars: A Military History, 1947-1971" by Arjun Subramaniam
10. "India and the United States: Estranged Democracies" by Dennis Kux
11. "India's Ocean: The Story of India's Bid for Regional Leadership" by David Brewster
12. "India and Multilateralism: Foreign Policy for the 21st Century" edited by David M. Malone and C. Raja Mohan
13. India's Quest for Security: Defence Policies 1947-1965 A by Kavic

SEMESTER V**NSS-001-CC-3130- Arms Control and Disarmament**

Credit: 2; **Lecture:** 1 Hr per week; **Tutorial:** 1 Hr per week; **Contact Hours:** 30; **Full Marks:** 100

Learning Objectives

LO1: To understand the arms control and disarmament conceptual aspects.

LO2: To demonstrate the importance of norms and treaties in global efforts to control proliferation of nuclear weapons and eliminate nuclear weapons.

LO3: Understand how efficient arms control institutions have been in their stated goals

Course Outcomes

CO1: Understand the conceptual difference of arms control and disarmament

CO2: Grasp the importance of norms and treaties in global efforts to control proliferation of nuclear weapons and eliminate nuclear weapons.

CO3: Acquaint the various efforts made to control Arms race, Control Regimes.

CO4: Understand arms control and disarmament under Leagues of nation and United Nations.

Course Content

Unit No.	Content	Contact Hours	CO
1	Introduction 1.1 Arms Control and Disarmament – Concepts, Objectives, Approaches to Arms Control and Disarmament 1.2 Differences between Arms Control, Disarmament, Arms Limitations and Arms Reduction 1.3 Nature and Scope of Arms Control and Disarmament.	15	1,3
2	Arms Control and Disarmament 2.1 Under League of Nations. 2.2 Under United Nations. 2.3 Causes and failures.	15	2, 4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	-	-	-	3	3	3	3
CO2	3	3	3	-	-	2	2	3	3	-	3	3	3	-
CO3	3	3	3	-	3	2	2	3	3	2	3	3	3	-
Average	3	3	3	1	0.75	1.5	2	2	1.5	1.25	3	3	3	1

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

1. Subramaniam, K., Nuclear Proliferation and International Security, New Delhi: Lancer,1986.
2. Pande, S., Future of NPT, New Delhi: Lancer,1995.
3. Mistry, D., Containing Strategic Missile Proliferation, Seattle: University of Washington Press, 2005.
4. Cohen, S.P., Nuclear Proliferation in South Asia: The Prospects for Arms Control, New Delhi: Lancer,1994.
5. Bhattachatyaa, D.C., International Relations Since the Twentieth Century, Kolkata: Vijoya Publishing House, 2001.
6. Emanuel Adler, “The Emergence of Cooperation: National Epistemic Communities and the International Evolution of the Idea of Nuclear Arms Control.” International Organization, 1992, Vol. 46, 1, pp. 101-145.
7. Francis J. Gavin, “Blasts from the Past: Proliferation Lessons from the 1960s,” International Security, 2004, Vol. 29, 3, pp. 100-135.
8. Nina Tannenwald, “The Nuclear Taboo: The United States and the Normative Basis of Nuclear
9. Scott Sagan, “Evolution of Pakistani and Indian Nuclear Doctrine,” in Scott Sagan Ed. Inside Nuclear South Asia, New Delhi: Foundation Books, 2011.
10. “Draft Report of National Security Advisory Board on Indian Nuclear Doctrine”, Ministry of External Affairs, August 17, 1999, available at <http://www.mea.gov.in/in-focus-article.htm?18916/Draft+Report+of+National+Security+Advisory+Board+on+Indian+Nuclear+Doctrine>

SEMESTER V**NSS-001-CC-3140- Non-Traditional Security Threats**

Credit: 4; **Practical:** 3Hrs per week;
Tutorial: 1Hr. per week; **Contact Hours:** 60;
Full Marks: 100

Learning Objectives

LO1: To learn how non-traditional security threats are very important in present time.

LO2: To know the evaluation procedure and evaluation of non-traditional security threats.

Course Outcomes

CO1: Understand about non-traditional security challenges and solutions to diverse audiences, including policymakers, military leaders, and the public.

CO2: Understand the innovative solutions and policy recommendations for enhancing resilience and preparedness against non-traditional security threats.

CO3: Acquaint the interconnectedness of non-traditional security issues, such as climate change, pandemics, and migration.

CO4: Identify and analyze key non-traditional security threats and their impacts on national and international security.

Course Content

Unit No.	Content	Contact Hours	CO
1	Introduction to Non-Traditional Security 1.1 Key concepts and actors 1.2 Evolution of Non-Traditional Security 1.3 Major debates on Non-Traditional Security	15	1,2,3,4
2	Human Security 2.1 Human Security 2.2 Social Security 2.3 Cultural Security	15	1,2,3,4
3	Issues in Non-Traditional Security- I 3.1 Environmental Security: climate change, deforestation, pollution, and resource depletion; and Impact of environmental degradation on human security and livelihoods 3.2 Economic Security: Globalization and economic interdependence; Economic inequality and poverty as security threats; and Cyber Security and financial vulnerabilities. 3.3 Endanger list, Past glory history, new belief system, nutrition security, water security, social harmony for nation call or national emergency, insurgency, terrorism, Political instability.	15	1,2,3,4
4	Issues in Non-Traditional Security-II 4.1 Societal Security: Transnational crime: drug trafficking, human trafficking, and organized crime; Terrorism and radicalization; and Health security: pandemics, infectious diseases, and bioterrorism 4.2 Technological Security: Cybersecurity threats and digital vulnerabilities; Artificial intelligence and autonomous weapons; and Privacy and surveillance in the digital age, Space debris. 4.3 Unemployment, technical backwardness, migration, organised crime, Encroachment of wild areas, Over population, flood,	15	1,2,3,4

	Deforestation, Human trafficking, Food insufficiency.		
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Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	-	-	-	3	3	3	3
CO2	3	3	-	-	3	2	2	3	3	-	3	-	3	-
CO3	3	3	-	-	-	2	2	3	3	2	3	-	3	-
CO4	3	3	-	3	-	2	2	2	-	3	3	-	3	-
Average	3	3	0.75	1.25	0.75	1.5	2	2	1.5	1.25	3	1.5	3	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

1. Alan Collins, "Introduction: What is Security Studies?" in Alan Collins (ed.), Contemporary Security Studies, New York: Oxford University Press, 2015. (Chapter 1)
2. David Baldwin, "The Concept of Security," Review of International Studies, Vol. 23 (1997), pp. 5-26.36
3. Andrew T. Price-Smith, "Theory and Exegesis" and "On Health, Power, and Security" in Contagion and Chaos: Disease, Ecology, and National Security in the Era of Globalization
4. Roland Paris, "Human Security: Paradigm Shift or Hot Air?" International Security 26, no. 2(2001): 87-102
5. Marlies Glasius, "Human Security from Paradigm Shift to Operationalization: Job Description for a Human Security Worker," Security Dialogue, 39, no. 1 (March 2008): 31-54.
6. Holger Stritzel, "Towards and Theory of Securitization: Copenhagen and beyond," European Journal of International Relations 13, no. 3 (2007): 357- 383.
7. Tara Magner, "A Less than 'Pacific' Solution for Asylum Seekers in Australia, International Journal of Refugee Law 16, no. 1 (2004): 53-90.
8. Fiona B. Adamson, "Crossing Borders: International Migration and National Security, International Security 31, no. 1 (2006): 165-199.
9. Charles L. Glaser, "How Oil Influences U.S. National Security," International Security 38, no. 2 (2013): 112-146.
10. Susanne Peters, "Coercive Western Energy Security Strategies: 'Resource Wars' as a New Threat to Global Security," Geopolitics 9, no. 1 (2004): 187-212.
11. Frank Verrastro and Sarah Ladislaw, "Providing Energy Security in an Interdependent World, The Washington Quarterly 30, no. 4 (2007): 95-104.
12. Daniel Deudney, "The Case Against Linking Environmental Degradation and National Security," Millennium, Vol. 19, No. 3 (1990), pp. 461-476.
13. Emily Meierding, "Climate Change and Conflict: Avoiding Small Talk about the Weather, International Studies Review 15, no. 2 (2013): 185-203.

SEMESTER V**NSS-001-MC-3110- Internal Security and Role of the State
/ VOC-3**

Credit: 4; Lecture: 3 Hrs per week; Tutorial: 1 Hr per week; Contact Hours: 60; Full Marks: 100
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Learning Objectives

LO1: To understand the meaning and concept of internal security.

LO2: To understand the seriousness of India's internal security problems.

LO3: To know the nexus between internal security problem to external connection.

Course Outcomes

CO1: Understand the role of armed forces to tackle such type of security problems

CO2: Identify how is internal security problem to equal to external security problems.

CO3: Understand the dynamics of India's internal security problems.

CO4: Understand the different connectivity to such a type of internal problems.

Course Content

Unit No.	Content	Contact Hours	CO
1	The State: 1.1 Meaning and Elements 1.2 Role of the State 1.3 Meaning and concept of Nation-States	15	1
2	Internal Security: 2.1 Understanding the nature of internal security 2.2 Dimensions of the Problem: Political, Economic & Social. 2.3 Measures	15	1, 2
3	Approaches to the problem of Internal Security 3.1 Role of Armed Forces 3.2 Role of Civil Society 3.3 Role of the Media	15	3
4	Internal Security Issues in India: 4.1 Kashmir problem 4.2 L.W.E. (Left Wing Extremism 4.3 North-East Problem	15	2

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	-	-	-	3	3	3	3
CO2	3	3	-	3	2	2	2	3	3	-	3	-	3	-
CO3	3	3	-	3	-	2	2	3	3	2	3	-	3	-
CO4	3	3	-	3	-	2	2	2	-	3	3	-	3	-
Average	3	3	0.75	3	0.5	1.5	2	2	1.5	1.25	3	0.75	3	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

- Shrikant Paranjpe, “India’s Internal Security: Issues and Perspectives”, Kalinga, New Delhi, 2009
- Inderfurth, Kari F and Johnson, lock K, ED: Fate Decisions: Inside the national Security Council (Oxford University Press, New York, 2004)
- Samaddar, Sujeet, “Defence Development and National Security: Linkages in the Indian Context”, Gyan Publishing House, New Delhi, 2005.

SEMESTER V
NSS-001-IN-3110: INTERNSHIP

Credit: 2; Practical Hours: 60; Full Marks: 100

Introduction

Internship is one of the most influential and well-established ways of teaching students the skills and knowledge needed to work in a professional environment. The newly introduced course structure in the NEP 2020 envisages imparting strong knowledge, skills and attitude to improve the job potential of the students by providing experiential learning opportunities, values, and a research oriented vibrant higher education ecosystem for sustainable development. With these perspectives, in the NEP 2020 guidelines, Internship/ Field work is made mandatory in the curriculum of all under graduate programmes. During an internship program, students work under the supervision of experienced professionals and are given tasks and responsibilities that are relevant to their field of study. They are also given feedback and guidance on their performance, which allows them to improve their skills and knowledge. Internship programs can vary in length, depending on the industry and the requirements of the program. Successful completion of the internship can improve the employment potential of the students or can also get an opportunity to continue their work as a research project in subsequent semesters.

Internship often facilitate a smooth transition from university to the Defence Industry/ Ministry of External Affairs/Defence/Home Affairs/Environment, Forest and Climate Change-Government of India, Military Stations (Rayang Military Station, Arunachal Pradesh)/ /National Cadet Corps (NCC)/Schools (Sainik School East Siang, Arunachal Pradesh)/ Universities (Sardar Patel University of Police and Criminal Justice, Rashtriya Raksha University Gujrat-Pasighat Campus, East Siang, Arunachal Pradesh, /War Memorials (Jaswant Garh War Memorial-Nuranang, Tawang, Arunachal Pradesh). etc. As a result, students will learn knowledge and skills as interns before appointing them to full-time job positions.

Internships can be mutually beneficial for the intern as well as the internship providing organization. The internship providing organizations provide training with an objective to create a pipeline of great future employees.

Learning Objectives

Following are the intended objectives of engaging the students in internship programs:

- LO1:** To provide experience of real work environment with faculty guidance over a specific period.
- LO2:** To provide exposure to emerging technologies/ automation and how it can support, facilitate, improve, and reinforce work processes/ culture/ job roles/art and craft.
- LO3:** To promote academic and professional developments.
- LO4:** To help students identify the career paths.
- LO5:** To provide an opportunity to jumpstart their professional careers and supplement their courses with hands-on experience making them employment ready.
- LO6:** To improve the professional network with proper orientation and guidance.

Internship Types

- Internship types include Defence Industry/ Ministry of External Affairs/Defence/Home Affairs/Environment, Forest and Climate Change-Government of India, Military Stations (Rayang Military Station, Arunachal Pradesh)/ /National Cadet Corps (NCC)/Schools (Sainik School East Siang, Arunachal Pradesh)/ Universities (Sardar Patel University of Police and Criminal Justice, Rashtriya Raksha University Gujrat-Pasighat Campus, East Siang, Arunachal Pradesh, /War Memorials (Jaswant Garh War Memorial-Nuranang, Tawang, Arunachal Pradesh). etc.

Internship Norms

- For an internship, one credit of Internship means two-hour engagement per week. Accordingly, in a semester of 15 weeks' duration, one credit in this course is equivalent to 30 hours of engagement in a semester. Total duration of internship will be two weeks (60 Hours/ as per UGC NEP-2020 guidelines).
- Internship often facilitate a smooth transition from university to the Defence Industry/ Ministry of External Affairs/Defence/Home Affairs/Environment, Forest and Climate Change-Government of India, Military Stations (Rayang Military Station, Arunachal Pradesh)/ /National Cadet Corps (NCC)/Schools (Sainik School East Siang, Arunachal Pradesh)/ Universities (Sardar Patel University of Police and Criminal Justice, Rashtriya Raksha University Gujrat-Pasighat Campus, East Siang, Arunachal Pradesh, /War Memorials (Jaswant Garh War Memorial-Nuranang, Tawang, Arunachal Pradesh). etc.
- The academic schedule must be planned by the department in accordance with the duration of the internships.

Credit wise duration of the internship should be as per the table below:

Sr. No.	Credit	Contact Hours	Self-Study (Hrs.)	Total
1	1	30 hrs.	15 hrs.	45 hrs.
2	2	60 hrs.	30 hrs.	90 hrs.
3	4	120 hrs.	60 hrs.	180hrs.

Course Outcome of the Internship Programme

After completion of the program the students should be able to:

CO1: Develop or sharpen their skills and gain real-time experience and knowledge with professionals in their field of interest.

CO2: Explore career alternatives prior to graduation.

CO3: Develop work habits and attitudes necessary for job success.

CO4: Acquire professional contacts leading directly to a full-time job/research opportunity following graduation from college.

Mapping of POs/PSOs with Cos

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	-	-	-	3	3	3	3
CO2	3	3	-	3	2	2	2	3	3	-	3	-	3	-
CO3	3	3	-	3	-	2	2	3	3	2	3	-	3	-
CO4	3	3	-	3	-	2	2	2	-	3	3	-	3	-
Average	3	3	0.75	3	0.5	1.5	2	2	1.5	1.25	3	0.75	3	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Note: Proforma/Format for Internship Report will be provided by the Department before the commencement of the programme.

SEMESTER – VI
(UG Degree)

SEMESTER VI**Science and Technology and Warfare**

Credit: 4; Lecture: 3 Hrs per week; Tutorial: 1 Hr per week; Contact Hours: 60; Full Marks: 100

Learning Objectives

LO1: To explore various aspects of military threats.

LO2: To equip students with a comprehensive understanding of these emerging security challenges and the strategies to address them.

LO3: To know information on science and technology.

Course Outcomes

CO1: Identify the connection between national security and current science era.

CO2: Students would attain knowledge of different aspects of national security.

CO3: Students will be aware of the relationship between science and technology and national security.

CO4: Communicate effectively about the assumption of warfare.

Course Content

Unit No.	Content	Contact Hours	CO
1	Science and Society: 1.1 Science, Technology and Society in different historical context 1.2 Technological breakthrough and Social changes; and Concept of Integrated Science Policy and its relevance for National Security; Science and Technology and Industrial Growth 1.3 Defence and Development; Defence Research & Development 1.4 Technology and Interdependence: (a) Transfer of Technology, (b) Military-Industrial Complex (MIC) in developing & developed countries.	15	1
2	Armament Military Technologies: 2.1 New conventional weapons, Precision Guidance, Surface to Air and Surface to Surface Guided Weapons. 2.2 Armoured Fighting Vehicles, Logistic Vehicles and Bridging. 2.3 Role of Chemical and Biological technology and its linkage with military uses. 2.4 RADARs and UAVs	15	2
3	Revolutions: 3.1 Revolution in Military Affairs (RMA) and its impact on weapons and warfare 3.2 Emergence of New Technologies, Revolution in Small Arms in Low Intensity Conflicts (LIC), Emergence of Improvised Explosive Devices (IED) & its impact on LIC 3.3 Civilian & Military aspects of technology 3.4 Nuclear technologies, Space. Communication, Marine. Automation of Weapons and its impact on Warfare	15	3

4	Electronic Warfare: 4.1 Systems and Techniques: Command, Control and Communication 4.2 Electronic Counter Measures (ECM), Jamming and its Types, modes of Jamming, Electronic Counter-Counter Measures (ECCM). 4.3 Population and depletion of resources: Resource base and Search for alternative sources of energy 4.4 Indian Policy and Problems of National Security	15	4
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Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	-	-	-	3	3	3	3
CO2	3	3	-	-	-	2	2	3	3	-	3	-	3	-
CO3	3	3	-	-	-	2	2	3	3	2	3	-	3	-
CO4	3	3	-	3	2	2	2	2	-	3	3	-	3	-
Average	3	3	0.75	1.5	0.5	1.5	2	2	1.5	1.25	3	0.75	3	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Books Recommended

1. Deva Yashwant (1996) *Dual-use of Information Technology (An Indo Centric perspective)*: New Delhi, IDSA.
2. Hard David (1983) *Nuclear power in India*: London, George Allen. Jayant Baranwal S. P's *Military Year Book*: New Delhi, Guide Publishers.
3. John Erickson (1966) *The Military Technical Revolution: Its impact on strategy and foreign policy*: New York, Frederick A Praeger.
4. Khana S.K(1998) *India: A Nuclear Power*: New Delhi, Commonwealth Publishers.
5. Lal A K (2003) *Space warfare and Military Strategy. (An Indian Perspective)*: New Delhi, USI of India.
6. Rajan, Y.S(2001) *Empowering India (with Economic, Business and Technology, Strengths for the twenty first century)*: New Delhi, Har Anand.
7. Sen S.K (2000) *Military Technology and Defence Industrialization*: New Delhi, Manas Publishers.
8. Siddhartha. K. (1999) *Oceanography, A brief introduction 3rd. Edition*: New Delhi, Kisalaya Publishers.
9. Tellis, A (2001) *India's Emerging nuclear posture*: Oxford, Oxford University Press Tewari, R. & Tewari *The High-Tech War of twentieth century*: New Delhi, Vikas Tewari, V.M(1996) Publishing House.
10. Thee Marek (1986) *Military technology, Military Strategy and Arms Race*: London, Groom Helm.
11. Arcangelis, Mariode (1990) *Electronics Warfare*, Ratna, New Delhi.
12. Rehman, A (1972) *Science Technology and Society*: New Delhi, People's Publishing House.
13. Anand A (2003) *Information Technology: The future warfare weapons*: New Delhi, Ocean books.
14. Baranson, Jack (1978) *Technology and the Multinationals*: Lexington, Lexington Books.
15. Johan Erickson (Ed.) (1966) *The Military Technical Revolution: Its Impact on strategic and Foreign Policy*: New York, Frederick A Praeger.
16. Macksey, Kenneth (1986) *Technology in War: The impact of Science on weapon development and modern Battle*: NY, Printice Hall.
17. Mann T.S. (1982) *Transfer and Technology*: Bombay, Himalaya Publications House. Jasbir
18. R.K(1987) *Handbook of military science and Armament Technology*: Dehradun, Natraj publications. Jasbir R.K. *Indian Defence Year Book*: Dehradun Natraj Publication.

SEMESTER VI
NSS-CC-3220- Strategic Studies

Credit: 4; Lecture: 3 Hrs per week; Tutorial: 1 Hr per week; Contact Hours: 60; Full Marks: 100

Learning Objectives

LO1: To understand and distinguish major theoretical perspectives of military strategies.

LO2: To identify the major assumptions of strategic studies.

LO3: To understand the nuclear strategies and warfare.

Course Outcomes

CO1: Understanding the basics concept of nuclear deterrence.

CO2: Understanding the various types of war and its concept.

CO3: Understanding the need of nuclear energy.

CO4: Understanding the India's nuclear strategy and neighbouring countries.

Course Content

Unit No.	Content	Contact Hours	CO
1	Strategic Studies 1.1. Assumption and Approaches 1.2. Connectivity with other subjects 1.3. Relevance of Strategic Studies 1.4 Areas of Strategic Studies	15	1
2	Deterrence 2.1. Concept and significance 2.2. Nuclear Deterrence 2.3 Kinds of Deterrence 2.4 Relevance of Deterrence in present time	15	2
3	Contemporary Warfare 3.1 Conventional warfare in Nuclear Age. 3.2 Limited War 3.3 Revolutionary warfare 3.4 Hybrid warfare	15	3
4	Nuclear Strategy/Policies: India and Others 4.1 Indian Nuclear Strategy/Policies 4.2 Pakistan's Nuclear Strategy/Policies 4.3 Chinese Nuclear Strategy/Policies 4.4 Nuclear declare countries in the world, in present time	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	-	-	-	3	3	3	-
CO2	3	3	-	-	3	2	2	3	3	-	3	-	3	3
CO3	3	3	-	-	-	2	2	3	3	2	3	-	3	3
CO4	3	3	-	3	-	2	2	2	-	3	3	-	3	3
Average	3	3	0.75	1.25	0.75	1.5	2	2	1.5	1.25	3	0.75	3	2.25

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Books Recommended

- Paret peter (Ed.) Makers of modern Strategy: From Machiavelli to Nuclear Age (Oxford, 1986)
- Baylis John, Booth Ken, Garnett John and William Phil, Contemporary Strategy: Theories and Concepts Vol. I and II (London: Groom Helm, 1987)
- Bobbit Philip and others (Ed.) US Nuclear Strategy: A Reader (New York: New York University Press, 1989)
- Garnett John (Ed.), Theories of Peace and Security: A Reader in Contemporary Strategy (Bristol:McMillan, 1970)
- Bajpai Kanti and Mattoo Amitab (Ed.), Securing India: Strategic Through and Practice (New Delhi:Manohar, 1996)
- Paranjpe Shrikant, Samarik Shastra (in Marathi) (Pune: Continental, 1994)
- Jagjit Singh and Manpreet Sethi, Nuclear Deterrence and Diplomacy (New Delhi: Knowledge World, 2004)

SEMESTER VI**NSS-001-CC-3230- Disaster Management**

Credit: 4; Lecture: 3 Hrs per week; Tutorial: 1 Hr per week; Contact Hours: 60; Full Marks: 100

Learning Objectives

LO1: To equip undergraduates with the knowledge, skills, and attitudes necessary to effectively respond to and manage disasters in various operational environments.

LO2: Undergraduates will be able to demonstrate effective leadership and decision-making skills in high-pressure and rapidly evolving disaster scenarios, including prioritizing tasks, allocating resources, and adapting strategies as needed.

LO3: To understand the role of non-governmental organisation in disaster management.

LO4: To understand the role of volunteers of civil defence, international organisation and Indian Armed Forces.

Course Outcomes

CO1: Identify and assess different types of disasters and their potential impact on military operations and civilian populations.

CO2: Understand the capabilities and limitations of military assets (personnel, equipment, logistics) in disaster response operations and effectively deploy them to support humanitarian efforts and maintain security.

CO3: Understand the ethical and legal implications of disaster response operations, including issues related to human rights, humanitarian principles, use of force, and adherence to international laws and conventions.

CO4: Students will be learning the role of government organisation and non-government organisation, international organisation and Indian Armed Forces.

Course Content

Unit No	Content	Contact Hours	CO
1	Introduction to Disasters 1.1 Disaster Management: Concept & significance. 1.2 Approaches to disaster management: Rationale, elements and objectives. 1.3 Disaster management and linkages between civilian and government.	15	1
2	Types of Disasters 2.2 Dimensions and typology of Disasters - Natural disasters. 2.3 Dimensions and typology of Disasters - Manmade Disasters. 2.3 Disaster problem and international cooperation.	15	2
3	Risk Assessment and Mitigation 3.1 Risk Assessment and Vulnerability Analysis: Understanding Risk, Hazard, Risk and Vulnerability, Vulnerability Identification and Analysis. 3.2 Disaster Management: Risk Reduction and Preparedness, Mitigation, Recovery and Reconstruction. 3.3 Awareness in various areas.	15	3

4	Disaster Management in India 4.1 National Disaster management policy- significance, principles and policy options. 4.2 Understanding India's response to Disasters 4.3 NGO functionaries and volunteers; military, paramilitary, police, home guards, civil defence personnel	15	4
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Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	-	-	3	3	3	3	-
CO2	3	3	-	3	-	2	-	3	3	3	3	-	3	3
CO3	3	3	-	3	3	2	-	3	3	3	3	-	3	3
CO4	3	3	-	3	-	2	-	2	-	3	3	-	3	3
Average	3	3	0.75	3	0.75	1.5	0.5	2	1.5	3	3	0.75	3	2.25

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Books Recommended

1. Coppola, P. Damon, (2006) Introduction to International Disaster Management, Elsevier.
2. Garlake, Teresa, (2000) Dealing with Disasters, Oxfam Education, Oxford.
3. Greenberg, Michael I., (2006) Encyclopedia of Terrorist, Natural & Man-Made: Disasters Jones & Bartlett, United Kingdom.
4. Goel S.L. and Ram Kumar, (2001) Disaster Management, Deep Publications Pvt. Ltd., New Delhi.
5. Bourriau, Janine; (1992) Understanding Catastrophe; Cambridge University Press, Cambridge.
6. Carter, W. Nick., (1991) Disaster Management- A Disaster Manager's Handbook, A.D.B., Manila, Philippines.
7. S.L., (2006) Encyclopedia of Disaster Management, Deep and Deep, New Delhi.
8. Marathe P. P., (2006) Concepts and practices in disaster management, Diamond Publications.
9. Narayan, B., (2000) Disaster Management, APH Publishing Corporation, New Delhi.
10. Bourriau, Janine; (1992) Understanding Catastrophe; Cambridge University Press, Cambridge.
11. Carter, W. Nick., (1991) Disaster Management- A Disaster Manager's Handbook, A.D.B., Manila, Philippines.
12. S.L., (2006) Encyclopedia of Disaster Management, Deep and Deep, New Delhi.
13. Marathe P. P., (2006) Concepts and practices in disaster management, Diamond Publications
14. Narayan, B., (2000) Disaster Management, APH Publishing Corporation, New Delhi.

SEMESTER VI**Cyber Security and National Security**

Credit: 4; **Lecture:** 3 Hrs. per week; **Tutorial:** 1 Hr per week; **Contact Hours:** 60; **Full Marks:** 100

Learning Objectives

LO1: To impart the knowledge about security dimensions of cyber threat and crime, and also to prepare students to apply their mind for prevention of such threats.

LO2: The course should enable the students to gain knowledge about various types of Cyber Crime and Cyber Threats to National Security.

Course Outcomes

CO1: Understand the cyber security threat landscape.

CO2: Develop a deeper understanding and familiarity with various types of cyberattacks, cybercrimes, vulnerabilities and remedies thereto.

CO3: Analyse and evaluate existing legal framework and laws on cyber security.

CO4: Evaluate the effectiveness of existing strategies and policies in cyber security threats.

Course Content

Unit No.	Content	Contact Hours	CO
1	Introduction to Cyberspace 1.1 Defining cyber space, Information Security 1.2 Information Systems: Networks/LAN/WAN and Military Sensors 1.3 Impact of Cyber Crimes on our national security	15	1
2	Vulnerabilities in Cyberspace (Type of Cyber Aggression/Violence) 2.1 Cyber Warfare 2.2 Cyber Terrorism (Motivation, Recruitment, Training, Campaigning, Tools of violence), Cyber Espionage (Data thief, cyber spies/machineries, Espionage Malwares/tools) 2.3 Cyber Crimes (Hacking, Phishing, Defamation, Spam, Trespass, Stalking)	15	2
3	Securing Global Cyber Space (Role of International and National Bodies) 3.1 Risk Identification, Levels of Protection and Defensive Measures 3.2 Global Computer Emergency Response Team 3.3 UN and other International Institutions	15	3
4	Cyber Laws/Policies and Indian Cyber Security System 4.1 Overview of Cyber Laws Cyber Laws in India 4.2 Various Indian Cyber Security Policies 4.3 Measures and awareness	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	-	-	3	3	3	3	-
CO2	3	3	-	3	-	2	-	3	3	3	3	-	3	3
CO3	3	3	-	3	3	2	-	3	3	3	3	-	3	3
CO4	3	3	-	3	-	2	-	2	-	3	3	-	3	3
Average	3	3	0.75	3	0.75	1.5	0.5	2	1.5	3	3	0.75	3	2.25

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

1. Franklin D. Kramer, Stuart H. Starr, Larry K. Wentz (ed), Cyber power and National Security, Potomac Books Inc, 2009.
2. Jeffrey Carr, Inside Cyber Warfare: Mapping the Cyber Underworld, O'Reilly Media, 2011.
3. Goel S.L. and Ram Kumar, (2001) Disaster Management, Deep Publications Pvt. Ltd., New Delhi.
4. Garlake, Teresa, (2000) Dealing with Disasters, Oxfam Education, Oxford.
5. Greenberg, Michael I., (2006) Encyclopedia of Terrorist, Natural & Man Made: Disasters Jones & Bartlett, United Kingdom.
6. Jason Andres, Steve Winterfield (ed), Cyber Warfare: Techniques, Tactics and Tools for Security Practitioners, Syngress, 2013.
7. Pelling, Mark (2003) Vulnerability of Cities: Natural Franklin D. Kramer, Stuart H. Starr, Larry K. Wentz (ed), Cyber power and National Security, Potomac Books Inc, 2009.
8. Jeffrey Carr, Inside Cyber Warfare: Mapping the Cyber Underworld, O'Reilly Media, 2011

SEMESTER VI**NSS-001-MC-3210-Evolution of Armaments/ VOC-4**

Credit: 4; **Lecture:** 3 Hrs per week; **Tutorial:** 1 Hr per week; **Contact Hours:** 60; **Full Marks:** 100

Learning Objectives

LO1: To study and familiarize the meaning and assumption of armaments.

LO2: To study about different kinds of armaments.

LO3: To understand the evolution of armaments.

Course Outcomes

CO1: Understand the concept of armaments.

CO2: Evaluate the challenges of armaments in security domain.

CO3: Understand about different kinds of armaments.

CO4: Understand about different phases of armaments.

Course Content

Unit No.	Content	Contact Hours	CO
1	Introduction of Armaments 1.1 Meaning and definition of armaments. 1.2 Law evolution armaments.	15	1
2	Historical Evolution Armaments 2.1 Age of Valour 2.2 Age of Chivalry 2.3 Age of Gun Powder 2.4 Age of Steam 2.5 Age of Oil 2.6 Age of Atomic Power 2.7 Age of Computer	15	2
3	Various Military Reforms in Historical Evolution Armaments 3.1 Reform in Phalanx by Alexander the Great 3.2 Military reform by Gustavus Adolphus 3.3 Military reform by Frederick the Great 3.4 Military reform Napoleon Bonaparte	15	3
4	Various Military Formation in Historical Evolution Armaments 4.1 Battle of Arbela 331 B.C. 4.2 Battle of Cannae 216 B.C. 4.3 Battle of Crecy 1346 A.D. 4.4 Battle of Waterloo 1815 A.D.	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	-	-	-	2	-	-	-	3	3	3	-
CO2	3	3	-	3	-	2	2	3	3	-	3	-	3	3
CO3	3	3	-	3	-	2	2	3	3	2	3	-	3	3
CO4	3	3	-	3	3	2	2	2	-	3	3	-	3	3
Average	3	3	0.75	2.25	0.75	1.5	2	2	1.5	1.25	3	0.75	3	2.25

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Recommended Books

1. Fuller JFC, (1998) Armaments and history, Da Capo, Oxford.
2. Peter, H T, (2000) Armaments Engineering: A Computer Aided Approach, Oxfam Education, Oxford.
3. Asthana N.C (2000) The Ultimate Book on Weapons University Press, New Delhi.
4. R. Kumar, (2001) Armaments Arms Control, Deep Publications Pvt. Ltd., New Delhi.
5. B Janine; (2001); Armaments and History Cambridge University Press, Cambridge.
6. C, W. Nick., (2001) - Armaments and History, A.D.B., Manila, Philippines.

SEMESTER – VII

SEMESTER VII**NSS-001-CC-4110- International Relations: Defence Aspects**

Credit: 4; **Lecture:** 3 Hrs per week; **Tutorial:** 1 Hr per week; **Contact Hours:** 60; **Full Marks:** 100

Learning Objectives

LO1: To understand the key concepts and theories of international relations, relate to defense and security.

LO2: To analyze the role of military power in shaping global politics and interstate relations.

LO3: To evaluate the effectiveness of defense policies, military doctrines, and arms control agreements in maintaining peace and stability.

Course Outcomes

CO1: Understand the relationship between defense and international relations theories.

CO2: Develop a critical understanding of personality through the factorial Western approaches

CO3: Analyze the strategic interests and security dilemmas of major powers in the global arena.

CO4: Understand the role of international organizations and multilateral agreements in promoting collective security and arms control.

Course Contents

Unit No.	Content	Contact Hours	CO
1	Theoretical Foundations of Defence in International Relations 1.1 The Concept of Security in International Relations 1.2 Realism 1.3 Liberalism	15	1
2	Concept and Approaches 1.1 Balance of Power 1.2 Means, kinds and way 1.3 Relevance of Balance of Power	15	1,2
3	Security Challenges and Responses 3.1 Non-State Actors: Counter Strategies 3.2 Information Security 3.3 New trends of security challenges	15	3
4	Defence and Regional Stability 4.1 Defence Policies of Major Powers: India, Russia, USA and China 4.2 Regional Security Dynamics: Middle East, Asia-Pacific, and Europe 4.3 Conflict Resolution and Peacebuilding Efforts	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	-	-	-	3	3	3	3
CO2	3	3	-	3	1	2	2	3	3	-	3	-	3	3
CO3	3	3	-	3	1	2	2	3	3	2	3	-	3	3
CO4	3	3	-	3	-	2	2	2	-	3	3	-	3	3
Average	3	3	0.75	3	0.5	1.5	2	2	1.5	1.25	3	0.75	3	3

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Books Recommended

1. "The Tragedy of Great Power Politics" by John Mearsheimer
2. "The New Rules of War: Victory in the Age of Durable Disorder" by Sean McFate
3. "Arms and Influence" by Thomas C. Schelling
4. "The Puzzle of Peace: The Evolution of Peace in the International System" by Gary Goertz and Paul F. Diehl
5. "Understanding War: An Annotated Bibliography" edited by Paul C. Johnson
6. "Nuclear Strategy in the Modern Era: Regional Powers and International Conflict" by Vipin Narang
7. "Cybersecurity: What Everyone Needs to Know" by P.W. Singer and Allan Friedman
8. "The Utility of Force: The Art of War in the Modern World" by Rupert Smith
9. "The Fog of Peace: A Memoir of International Peacekeeping in the 21st Century" by Jean-Marie Guéhenno
10. "The Future of Power" by Joseph S. Nye Jr.
11. "Climate Wars: The Fight for Survival as the World Overheats" by Gwynne Dyer
12. "India's Quest for Security: Defence Policies 1947-1965 A by Kavic L.J.

SEMESTER VII**NSS-001-CC-4120- Geopolitics and Military Geography**

Credit: 4; **Lecture:** 3 Hrs per week; **Tutorial:** 1 Hr per week; **Contact Hours:** 60; **Full Marks:** 100

Learning Objectives

LO1: To understand the fundamentals of geopolitics and military geography as interdisciplinary fields of study.

LO2: To analyze the geopolitical significance of key geographical features, including landforms, waterways, and natural resources.

LO3: To evaluate the role of geography in shaping military strategies, defense policies, and interstate conflicts.

Course Outcomes

CO1: Understand the relationship between geography, politics, and military strategy in international relations.

CO2: Analyze geopolitical conflicts and alliances through a spatial lens, considering the influence of geographic factors

CO3: Evaluate the strategic importance of key geographical regions and resources in global security affairs.

CO4: Synthesize theoretical concepts with empirical evidence to formulate informed perspectives on contemporary geopolitical challenges.

Course Content

Unit No.	Content	Contact Hours	CO
1	Foundations of Geopolitics 1.1 Introduction to Geopolitics and Military Geography 1.2 Theories of Geopolitical Analysis: Mackinder, A. T. Mahan 1.3 Geographic Determinism in International Relations	15	1
2	Geopolitical Regions and Key Players 2.1 Geopolitics of Eurasia: Heartland, Rim land, and Pivot Areas 2.2 Maritime Geopolitics: Control of Sea Lanes and Naval Power 2.3 Geopolitical Rivalries and Alliances in the Indo-Pacific Region	15	2,3
3	Strategic Resources and Environmental Security 3.1 Energy Geopolitics: Oil, Gas, and Energy Security Strategies 3.2 Water Scarcity and Hydro-Politics: Conflict and Cooperation Over Shared Water Resources 3.3 Environmental Change and Security: Climate Change, Deforestation, and Natural Disasters	15	4
4	Military Geography and Conflict Analysis 4.1 Military Bases and Forward Deployments: Power Projection and Force Posture 4.2 Border Disputes and Territorial Conflicts 4.3 Origin locations of countries and their advantages and disadvantages.	15	4

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	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	-	-	-	3	3	3	3
CO2	3	3	3	-	2	2	2	3	3	-	3	3	3	-
CO3	3	3	3	-	-	2	2	3	3	2	3	3	3	-
CO4	3	3	3	-	-	2	2	2	-	3	3	3	3	-
Average	3	3	3	0.5	0.5	1.5	2	2	1.5	1.25	3	3	3	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Books Recommended

1. "Prisoners of Geography: Ten Maps That Tell You Everything You Need to Know About Global Politics" by Tim Marshall
2. "The Geopolitics Reader" edited by Gearóid Ó Tuathail, Simon Dalby, and Paul Routledge
3. "War and Geography: The Spatiality of Organized Mass Violence" edited by Colin Flint and Karl E. Kunkel
4. "The Revenge of Geography: What the Map Tells Us About Coming Conflicts and the Battle Against Fate" by Robert D. Kaplan
5. "Geopolitics: A Very Short Introduction" by Klaus Dodds
6. "Military Geography: For Professionals and the Public" by John M. Collins
7. "The Oxford Handbook of Geopolitics" edited by Klaus Dodds, Merje Kuus, and Joanne Sharp
8. "Water: Asia's New Battleground" by Brahma Chellaney
9. "Climate Wars: The Fight for Survival as the World Overheats" by Gwynne Dyer
10. "The Accidental Superpower: The Next Generation of American Preeminence and the Coming Global Disorder" by Peter Zeihan
11. "The Ghost Map: The Story of London's Most Terrifying Epidemic—and How It Changed Science, Cities, and the Modern World" by Steven Johnson
12. "War by Other Means: Geo-economics and Statecraft" by Robert D. Black will and Jennifer M. Harris.

SEMESTER VII

NSS-001-CC-4130- Legal Aspects of International Security

Credit: 4; Lecture: 3 Hrs per week; Tutorial: 1 Hr per week; Contact Hours: 60; Full Marks: 100

Learning Objectives

LO1: To understand the fundamental principles and sources of international law relevant to international security.

LO2: To analyze the legal frameworks governing the use of force, humanitarian intervention, and collective security.

Course Outcomes

CO1: Identify and explain key principles and concepts of international law related to international security

CO2: Understand the legal implications of security policies, military interventions, and peacekeeping operations.

CO3: Comprehend the legality of state actions, such as self-defense, preemptive strikes, and military interventions, under international law.

CO4: Understand the role of international legal institutions, such as the United Nations Security Council and International Court of Justice, in maintaining peace and security.

Course Content

Unit No.	Content	Contact Hours	CO
1	Introduction 1.1 Definition of International Law – Its history, nature and development; Sources of International Law; and Relationship between International Law and Municipal Law. 1.2 Legal Regulation of the Use of Force: Jus Ad Bellum and Just War Theory 1.3 Role and functions of International court of Justice	15	1
2	Laws of war 2.1 War – Its legal character and effects 2.2 Pacific and Coercive means to settle international disputes 2.3 Laws of Land warfare; Laws of Maritime warfare; and Laws of Aerial Warfare	15	2
3	Laws of Neutrality 3.1 Basic understanding of laws of neutrality; and Prize courts Its role and importance 3. 2 Contraband and Doctrine of Continuous Voyage; and Blockade – Concept establishments Kinds and Penalties for breach	15	3
4	Human Rights Law and Security 4.1 Balancing National Security with Individual Rights 4.2 Legal Responses to Terrorism and Counterterrorism Measures 4.3 Refugee Law and Security: Protection of Displaced Persons in Times of Conflict	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	-	2	3	3	-	3	3	3	3
CO2	3	3	3	-	3	2	2	3	3	-	3	3	3	-
CO3	3	3	3	-	3	2	2	3	3	2	3	3	3	-
CO4	3	3	3	3	3	2	2	3	3	3	3	3	3	-
Average	3	3	3	1.25	3	1.5	2	3	3	1.25	3	3	3	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Books Recommended

1. International Law and International Relations" by David Armstrong, Theo Farrell, and Hélène Lambert
2. "The Oxford Handbook of International Law in Armed Conflict" edited by Andrew Clapham and Paola Gaeta
3. "International Humanitarian Law: A Comprehensive Introduction" by Erika De Wet and Jann K. Kleffner
4. "The International Law of the Sea" by Yoshifumi Tanaka
5. "The International Court of Justice: A Commentary" edited by Zimmermann, Tomuschat, and Oellers-Frahm
6. "The Law of Armed Conflict: An Operational Approach" by Geoffrey S. Corn, Victor Hansen, and M. Christopher Jenks
7. "The Use of Force in International Law: A Case-Based Approach" by Tom Ruys, Olivier Corten, and Alexandra Hofer
8. "The United Nations Security Council and War: The Evolution of Thought and Practice since 1945" by Vaughan Lowe, Adam Roberts, and Jennifer Welsh
9. "Human Rights and International Security" edited by Hélène Lambert and Thomas Mertens
10. "The Refugee in International Law" by Guy S. Goodwin-Gill and Jane McAdam
11. "Counterterrorism Law" by Kent Roach
12. "The Law of State Immunity" by Hazel Fox and Philippa Webb
13. Tandon, M.P, and Rajesh Tandon, (1987) An Introduction of International Law, Allahabad
14. Law Agency, Allahabad.
15. Kapoor, S.K., (1987) International Law, Central Law Agency, Allahabad.
16. Chavan, R.S., (1971) An Approach to International Law, Sterling Publisher, New Delhi.
17. Starke, J., (1972) An Introduction to International Law, Buttersworth, London.
18. Oppenheim, L (2008) International Law. 9th Edition, University of Cambridge.

SEMESTER VII**NSS-001-CC-4140 Map Reading of India's Strategic Locations**

Credit: 4; **Practical:** 8 Hrs per week; **Contact Hours:** 120; **Full Marks:** 100

Learning Objectives

LO1: To learn about India Army, Indian Air Force and Indian Navy.

LO2: To know about strategic location of India Army, Indian Air Force and Indian Navy.

LO3: To learn perfect relation between Indian Army, Indian Air Force and Indian Navy.

Course Outcomes

CO1: Knowledge of the strategic location nearby.

CO2: Knowledge of the several militaries base of India.

CO3: Learning about certain professional skill writing on security issues

CO4: Update the current security issues.

Unit No.	Content	Contact Hours	CO
1	Mark the areas in the map provided and to write a brief note about the Spots in own hand writing of students. Seven commands of Indian Army, Indian Air Force and Indian Navy.	30	1,2,3,4
2	Mark the areas in the map provided and to write a brief note about the Spots in only own hand witting of students. Important Indian Army bases in India and world, Important Indian Air Force base in India and world, Important Naval bases and ports of India located in India and world.	30	1,2,3,4
3	Report writing on strategic location near by stay location of students with recommended by Faculty-in-Charge.	30	1,2,3,4
4	Write a brief note on latest/highly updated nation security issues recommended by Faculty-in-Charge.	30	1,2,3,4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	-	2	-	-	-	3	3	3	3
CO2	3	3	3	-	-	2	2	3	3	-	3	3	3	-
CO3	3	3	3	-	-	2	2	3	3	2	3	3	3	-
CO4	3	3	3	3	-	2	2	2	-	3	3	3	3	-
Average	3	3	3	1.25	0.75	1.5	2	2	1.5	1.25	3	3	3	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

General Instructions

1. Workload for each batch will be equivalent to eight lecture periods
2. Students will be required to maintain journal for this course and obtain the completion certificate from the teacher in-charge. Without this certificate, the students will not be allowed to appear for the internal examination and/ end semester examination as per the rules of credit system.

SEMESTER VII**NSS-001-RC-4110-Research Methodology/ MOOCs**

Credit: 4; **Lecture:** 3 Hrs per week; **Tutorial:** 1 Hr per week; **Contact Hours:** 60; **Full Marks:** 100

Learning Objectives

1. To make students aware of the basic features of various types of research in social science.
2. To familiarize students with source of research problems, types of variables in security areas.
3. To understand different kinds of measures and techniques for assessing various defence problems.

Course Outcomes

1. Understand the basic of scientific inquiry in security and ethical issues.
2. Grasp the basic features of various types of research in social science.
3. Develop the source of research problems, types of variables in social science.
4. Understand about the writing strategic theories and report writing.

Course Content

Unit No.	Content	Contact Hours	CO
1	Introduction to Research 1.1 Definition, Meaning and Characteristics of Research/Method. 1.2 Goals/Objectives of Research/Method. 1.3 Phases or Stages in Research. 1.4 Ethical Issues in the field of Research.	15	1
2	Methods/Types of Research 2.1 Case Study, Observation, Survey, Interviews. 2.2 Experiments – Laboratory, Field, Quasi- Experimental. 2.3 Ex post facto, Document or Content analysis, Ethnographic Studies.	15	2
3	Research Problem 3.1 Meaning, Type and Characteristics. 3.2 Source, Selection Criteria, Definition, Statement, Types and Functions. 3.3 Variables: Meaning and Types, Measuring Dependent Variables, Manipulating Independent Variables, Techniques of Controlling Extraneous Variables.	15	3
4	Hypothesis, Research design, Data collection and process, sapling 4.1 Hypothesis – Definition, functions, characteristics, types 4.2 Research Design – Definition, functions and types 4.3 Data collection and processing 4.4 Sampling – Concept, principle and types 4.5 Analysis and Evaluation	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	3	3	-	3	3	3	3
CO2	3	3	3	-	-	2	2	3	3	-	3	3	3	-
CO3	3	3	3	-	3	2	2	3	3	2	3	3	3	-
CO4	3	3	3	3	-	2	2	3	3	3	3	3	3	-
Average	3	3	3	1.25	0.75	1.5	2	3	3	1.25	3	3	3	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Books Recommended

1. Nicholas H. Steneck. Introduction to the Responsible Conduct of Research. Office of Research Integrity. 2007. Available at: <https://ori.hhs.gov/sites/default/files/rcrintro.pdf>
1. The Student's Guide to Research Ethics by Paul Oliver Open University Press, 2003
2. Responsible Conduct of Research by Adil E. Shamoo; David B. Resnik Oxford University Press, 2003
3. Ethics in Science Education, Research and Governance Edited by Kambadur Muralidhar, Amit Ghosh Ashok Kumar Singhvi. Indian National Science Academy, 2019. ISBN: 978-81-939482-1-7.
4. Anderson B.H., Dursaton, and Poole M.: Thesis and assignment writing, Wiley Eastern 1997. 6. Bijorn Gustavii: How to write and illustrate scientific papers? Cambridge University Press.
5. Bordens K.S. and Abbott, B.b.: Research Design and Methods, Mc Graw Hill, 2008. 8. Graziano, A., M., and Raulin, M., L.: Research Methods – A Process of Inquiry, Sixth Edition Pearson.
6. Newman W, L. (2008). *Social research methods: Qualitative and quantitative approaches*. New Delhi: Pearson Education.

SEMESTER – VIII
UG DEGREE
(HONOURS WITHOUT RESEARCH)

SEMESTER VIII**NSS-001-CC-4210- Strategic Thought**

Credit: 4; **Lecture:** 3 Hrs per week; **Tutorial:** 1 Hr per week; **Contact Hours:** 60; **Full Marks:** 100

Learning Objectives

LO1: To understand the strategic thoughts of the thinkers and their relevance to the present times.

LO2: To knowledge about the concepts of selected strategic thinkers.

LO3: To understand the process of data collection.

Course Outcomes

CO1: Understand the evolution of military strategic thought throughout history, including key theories, doctrines, and historical contexts.

CO2: Analyse the fundamental principles and concepts of military strategy, including offense, defence, maneuver, logistics, and intelligence.

CO3: Understand the contributions of prominent military strategists and theorists, such as Kautilya, Sun Tzu, Carl von Clausewitz and Mahan etc.

CO4: Learn about the Nuclear Warfare and Nuclear Deterrence theory and how this shaped the present-day war politics.

Course Content

Unit No.	Content	Contact Hours	CO
1	Strategic Thinking 1.1Kautilya's Philosophy of war. 1.2 Sun Tzu- The Art of war. 1.3 Mao-Tse-Tung 's views on Guerrilla warfare.	15	1
2	Geo-politics 2.1 Harford John Mackinder- Heart Land Theory 2.2 Karl Haushofer: Their ideas on geo-politics. 2.2 Carl Von Clausewitz's theories on war: War and its relationship with Policy, Strategy and Tactics 2.5 Alfred Thayer Mahan-Theory of Sea Power	15	2
3	Land, Sea and Air Power 3.1 J.F.C. Fuller and Liddell Hart: their views on warfare 3.2 Mahan's Views Naval Warfare. 3.3 Douhet and Mitchell: Their views on the Role of Air Power in Modern Warfare.	15	3
4	Nuclear Warfare	15	4

4.1 John Foster Dulles		
4.2 Theories of Nuclear War and Deterrence		

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	-	2	-	3	-	3	3	3	3
CO2	3	3	3	-	3	2	2	3	3	-	3	3	3	-
CO3	3	3	3	-	3	2	2	3	3	2	3	3	3	-
CO4	3	3	3	3	3	2	2	2	3	3	3	3	3	-
Average	3	3	3	1.25	3	1.5	2	2	3	1.25	3	3	3	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Books Recommended

1. Duffy, Christopher. (1997). *Siege Warfare*, Routledge, New York.
2. Earl, E.M. (1943). *Makers of Modern Strategy*, Princeton University Press,
3. Fuller, J.F.C. (1998). *Armament and History* Da Capo Press, Germany.
4. Fuller, J.F.C. (2017). *The Conduct of war* Routledge, Germany.
5. Ropp, Theodore. (2000). *War in the Modern World*, Johns Hopkins University.
6. Shepherd, E.W. (2008). *A Study of Military History*, Oxford University Press, UK.
7. Shama Shastri. (2012). *Kautilya's Arthshastra* Low Price Publications, Kashmir.
8. Tzu, Sun. (2010). *The Art of War*, Jayco Publishing House, China.

SEMESTER VIII**NSS-001-DE-42010-Military Psychology**

Credit: 4; **Lecture:** 3 Hrs per week; **Tutorial:** 1 Hr per week; **Contact Hours:** 60; **Full Marks:** 100

Learning Objectives

LO1: This course is intended to provide the students with a broad overview of applications of psychology in the military.

LO2: This course is to determine and manage the psychological consequences of the continuum of conflict.

LO3: This course is intended to provide the students to understand military leadership and discipline.

Course Outcomes

CO1: Understanding the holistic military leadership.

CO2: Understand and appreciate psychological aspects of war making, military leadership and emotional issues that is faced by soldiers during war and peace.

CO3: Develop the skills to conduct job analysis.

CO4: Understand the importance of leadership, discipline man management, motivation and morale factors in a soldiers' life.

Course Content

Unit No.	Content	Contact Hours	CO
1	Military Psychology 1.1 Definition and Concept 1.2 Scope and Significance 1.3 Role of Military Psychology during war and peace. 1.4 Psychological Weapons of War	15	1
2	Fear and Panic in War 2.1 Causes 2.2 Consequences and 2.3 Management of Fear and Panic in War	15	3
3	Military Leadership and Discipline 3.1 Meaning of Military Leadership and Discipline 3.2 Attributes, importance and role of training. 3.3 Tools of Maintaining Discipline	15	2
4	Motivation, Morale and Emotional Problems 4.1 Morale factors and their utilization in the armed forces. 4.2 Importance of Motivation 4.3 Emotional problems and adjustment during war and peace.	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	-	-	2	3	3	3	3
CO2	3	3	-	3	3	2	2	3	3	2	3	-	3	3
CO3	3	3	-	3	3	2	2	3	3	2	3	-	3	3
CO4	3	3	-	3	-	2	2	2	-	2	3	-	3	3
Average	3	3	0.75	3	1.5	1.5	2	2	1.5	2	3	0.75	3	3

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Books Recommended

- 1 Bartlett, F.C, (1927) Psychology and the Soldier, Cambridge University Press, Cambridge.
- 2 Baynes, John., (1967) Morale: A study of Men and courage, Cassell, London.
- 3 Boring, Edward G., (ed.), (1945) Psychology for the Armed Services, Natraj Publishers, Dehradun.
- 4 Chibber, M.L. (1986) Military Leadership to Prevent Military Coup, Lancer International, New Delhi.
- 5 Copeland, Norman, (1967) Psychology and the Soldier, English Book Depot, Dehradun.
- 6 Hasnain Qamar, (1967) Psychology for the fighting man, English Book Depot, Dehradun.
- 7 Linebarger, P.M.A., (1954) Psychological Warfare, Combat Press, Washington, D.C.
- 8 Nidhi Maheshwari, (2016) Military Psychology: Concepts, Trends and Interventions, Sage Publication India Pvt. Ltd, New Delhi.
- 9 Raj Narain, (1979) Military Psychology, National Psychological Corporation, Agra.

SEMESTER VIII**NSS-001-DE-42020- India's Maritime Security**

Credit: 4; **Lecture:** 3 Hrs per week; **Tutorial:** 1 Hr per week; **Contact Hours:** 60; **Full Marks:** 100

Learning Objectives

LO1: To improve the understanding of maritime security environment, the influence of the nations in the Indian Ocean Region.

LO2: To provide a perfect blend of classical as well as modern concepts of Maritime Strategy.

LO3: To acquaint the students about regional and extra-regional powers in the Indian Ocean.

Course Outcomes

CO1: Understand the concept major choke points and its importance for global trade.

CO2: Realize the importance of oceans for a state in terms of its survival and sustenance, especially India being a peninsular country.

CO3: Understand the various threats emanating from the seas; and

CO4: Understand and realize various existing policy measures and mechanisms to handle the threats from the sea.

Course Content

Unit No.	Content	Contact Hours	CO
1	Maritime Security 1.1 Meaning and Definition 1.2 Importance of Maritime Security 1.3 Understanding India's Coastal Security	15	1
2	Geo-political and geo-strategic significance of Indian Ocean 2.1 Geo-political Importance of the Indian Ocean 2.2 Geo-strategic importance of the Indian Ocean 2.3 Economic importance of the Indian Ocean	15	2
3	India and the Indian Ocean 3.1 India's maritime interests in the Indian Ocean 3.2 India's threat perception in the Indian Ocean 3.3 Role of Indian Navy and Coast Guard	15	3
4	Regional and Extra-regional powers in the Indian Ocean 4.1 Conflicts in the Indian Ocean. 4.2 Interests in the Indian Ocean 4.3 Involvement in the Indian Ocean	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	-	-	-	3	3	3	3
CO2	3	3	3	3	-	2	2	3	3	-	3	3	3	3
CO3	3	3	3	3	3	2	2	3	3	2	3	3	3	3
CO4	3	3	3	3	-	2	2	2	-	3	3	3	3	3
Average	3	3	3	3	0.75	1.5	2	2	1.5	1.25	3	3	3	3

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Books Recommended

- 1 Chaudhury Rahul Roy, (1995) Sea power and Indian security, Brassey's, London.
- 2 Chaudhury Rahul Roy, (2000), India's Maritime Security, Knowledge World, New Delhi.
- 3 C.Uday Bhaskar, and Cdr KK Agnihotri, (2011) Security Challenges along the Indian Ocean
- 4 Littoral, Indian and US Perspectives, National Maritime Foundation, New Delhi.
- 5 K. M Panikkar, (1951), India and the Indian Ocean, Allen & Unwin, London.
- 6 Martin, L.W. (1967), Sea in modern strategy, Chatto & Windus.
- 7 Mishra R.N, (1986), Indian Ocean and India's Security, Mittal Publications, New Delhi.
- 8 Naidu, GVC, (2000) Indian Navy and Southeast Asia, IDSA, New Delhi.
- 9 Ravi Vohra and P K Ghosh, (2008) China and the Indian Ocean Region, National Maritime Foundation, New Delhi.

SEMESTER VIII**NSS-001-DE-42030-Economics Aspects of National Security**

Credit: 4; **Lecture:** 3 Hrs per week; **Tutorial:** 1 Hr per week; **Contact Hours:** 60; **Full Marks:** 100

Learning Objectives

LO1: To make student understand on India's defence policy, expenditure and economic aspects of military affairs

LO2.: To provide information on contours of defence budget and its planning process.

LO3: To make clear on India's defence production system.

Course Outcomes

CO1: Understand the mutual complementarities of economics and security would be learnt through this course.

CO2: Develop an understanding various theories and principles of defence economics and national security.

CO3: Grasp the art of mobilizing resources for war, be it physical, fiscal or moral.

CO4: Understand the importance of logistics in war and the role of defence planning, programming and budgeting in India.

Course Content

Unit No.	Content	Contact Hours	CO
1	Defence Economics 1.1 Meaning and Definition 1.2 Nature of Defence Economics 1.3 Scope of Defence Economics.	15	1
2	Defence and Development 2.1 Concept of Defence and Development 2.2 Defence Spending and Economic Development 2.3 Relevance of Defence and Development	15	2
3	Economic Warfare 3.1 Meaning and Definition 3.2 Strategies in Economic Warfare 3.3 Effects of War on National Economy.	15	3
4	Defence Planning and Budgeting in India 4.1 Meaning of Defence Planning and Defence Budgeting 4.2 Importance of Defence Planning 4.3 Importance of Logistics in War time 4.4 Importance of Logistics in peace time	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	-	-	-	3	3	3	3
CO2	3	3	-	3	3	2	2	3	3	-	3	-	3	3
CO3	3	3	-	3	-	2	2	3	3	2	3	-	3	3
CO4	3	3	-	3	3	2	2	2	-	3	3	-	3	3
Average	3	3	0.75	3	1.5	1.5	2	2	1.5	1.25	3	0.75	3	3

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Books Recommended

- 1 Ghosh, A. K., (1996) India's Defence Budget and Expenditure Management in wider Context, Lancer, New Delhi.
- 2 Clark, J.J., (1996) The New Economics of National Defence, Random House.
- 3 Doxey, Margaret P., (1987) International Sanctions in Contemporary Perspective, Palgrave Macmillan.
- 4 Ghosh, Amiya Kumar, (2007) Defence Budgeting and Planning in India- The Way Forward, Knowledge World International, New Delhi.
- 5 Jack, D.T., (1940) Studies in Economic Warfare, PS King & Sons, London.
- 6 Jalan, B. (2000) India's economic policy- preparing for 21st century, Penguin, New Delhi.
- 7 Kennedy, Gavin, (1975), The Economics of Defence, Rowman and Littlefield.
- 8 Knor, Klaus, (1962) War Potential of the Nations, Princeton University Press.
- 9 Mathews, Ron, (1998) Defence production in India, ABC Publishers, New Delhi.
- 10 Sandler T., Hartley K, (1995) The Economics of Defence, Cambridge University Press.
- 11 Singh Jasjit, (2001) India's Defence Spending, Knowledge World, New Delhi.
- 12 Subramanyam, K, (1972) Perspective in Defence Planning, Abhinav Publications, New Delhi.
- 13 Thomas, Raju G. C., (1978) The Defence of India: A Budgetary Perspective of Strategy and Politics, Macmillan, Bombay.

SEMESTER VIII**NSS-001-RC-4210-Research and Publication Ethics / MOOCs**

Credit: 4; Lecture: 3 Hrs per week; Tutorial: 1 Hr per week; Contact Hours: 60; Full Marks: 100

Learning Objectives

LO1: To bring awareness about the publication ethics and publication misconducts.

LO2: To know the basics of philosophy of science and ethics, research integrity, publication ethics.

LO3: To identify research misconduct and predatory publications.

Course Outcomes

CO1: To orient students towards the philosophy of ethics and misconducts.

CO2: Develop understanding about research integrity and publication guidelines

CO3: Understand various guidelines and regulation in publication ethics

CO4: Identifying research misconduct and predatory publications.

Course Content

Unit No.	Content	Contact Hours	CO
1	Ethics and Publication 1.1 Introduction to Philosophy: Definition, Nature and Scope, Concept, Branches. 1.2 Ethics: Definition, Moral Philosophy, Nature of Moral Judgements and Reactions	15	1
2	Scientific Conduct 2.1 Ethics with Respect to Research. 2.2 Intellectual Honesty and Research Integrity. 2.3 Scientific Misconducts: Falsification, Fabrication, and Plagiarism (FFP).	15	2
3	Publication Ethics 3.1 Publication Ethics: Definition, Introduction and Importance. 3.2 Best Practices / Standards Setting Initiatives and Guidelines: COPE, WAME, etc. 3.3 Conflicts of Interest.	15	3
4	Publication Misconduct 4.1 Definition, Concept, Problems That Lead to Unethical Behavior and Vice-Versa, Types. 4.2 Violation of Publication Ethics, Authorship and Contributor ship. 4.3 Identification of Publication Misconduct, Complaints and Appeals. 4.4 Predatory Publishers and Journals.	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	-	-	2	-	-	-	3	3	3	3
CO2	3	3	3	-	-	2	2	3	3	-	3	3	3	-
CO3	3	3	3	-	-	2	2	3	3	2	3	3	3	-
CO4	3	3	3	3	1	2	2	2	-	3	3	3	3	-
Average	3	3	3	1.25	0.25	1.5	2	2	1.5	1.25	3	3	3	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Books/Journal Articles Recommended

1. Bird, A. (2006). *Philosophy of Science*. Routledge.
2. MacIntyre, Alasdair (1967) *A Short History of Ethics*. London.
3. P. Chaddah, (2018) *Ethics in Competitive Research: Do not get scooped; do not get plagiarized*, ISBN:9789387480865.
4. National Academy of Sciences, National Academy of Engineering and Institute of Medicine. (2009). *On Being a Scientist: A Guide to Responsible Conduct in Research*: Third Edition. National Academies Press.
5. Resnik, D. B. (2011). What is ethics in research & why is it important. *National Institute of Environmental Health Sciences*, 1—10. Retrieved from <https://www.niehs.nih.gov/research/resources/bioethics/whatis/index.cfm>.

SEMESTER – VIII
UG DEGREE
(HONOURS WITH RESEARCH)

SEMESTER VIII

NSS-001-CC-4210: MILITARY SOCIOLOGY

Credit: 4; **Lecture:** 3 Hrs per week; **Tutorial:** 1 Hr per week; **Contact Hours:** 60; **Full Marks:** 100

Learning Objectives

- LO1: To understand the sociological perspectives on the military as a social institution.
 LO2: To analyze the social and cultural dynamics within military organizations and communities.
 LO3: To evaluate the impact of military service on individuals, families, and society.
 LO4: To develop critical thinking and analytical skills to assess the social implications of military policies and practices.

Course Outcomes

- CO1: Identify and explain key sociological theories and concepts relevant to the study of the military.
 CO2: Evaluate the socialization processes and experiences of military personnel and their families.
 CO3: Understand the impact of military service on mental health, well-being, and social integration.
 CO4: Apply sociological perspectives to understand and address contemporary challenges facing the military and its members.

Course Content

Unit No.	Content	Contact Hours	CO
1	Social Aspects of War 1.1 Social effects of war 1.2 Impact on society 1.3 Impact on military	15	1
2	Post War Social Problems 2.1 Impact on society: problem of re-settlement of war victims and post war Reconstruction. 2.2 Impact on Military: Demobilization, rehabilitation and social adjustment of Released personnel. 2.3 Social problem of military personnel killed or disabled and implications on their Families.	15	2
3	Social Problems 3.1 Social background of military personnel in India. 3.2 Problems of Ex-servicemen in India. 3.3 Role of Women in Armed Forces: Contemporary trends.	15	3
4	Civil Military Relations 4.1 Civil military relations: History and contemporary trends. 4.2 Civil Defence 4.2 Military Coup: Causes and consequences	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	-	2	-	-	-	3	3	3	3
CO2	3	3	3	-	-	2	2	3	3	-	3	3	3	-
CO3	3	3	3	-	-	2	2	3	3	2	3	3	3	-
CO4	3	3	3	-	0	2	2	2	-	3	3	3	3	-
Average	3	3	3	0.75	0.75	1.5	2	2	1.5	1.25	3	3	3	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Books Recommended

1. "Military Sociology: Global Perspectives" edited by Janet M. Currie, Harald Höiberg, and Kari Storstein Haug.
2. "The Sociology of the Military" edited by Giuseppe Caforio.
3. "Soldiers and Societies in Post-communist Europe: Legitimacy and Change" edited by David R. Segal, Uzi Ben-Shalom, and David M. Kuehn.
4. "Making Sense of the Militia: Public Authority and Defense in a Tribal Society" by David J. Harding.
5. "Warrior Cultures: Military Life and Popular Imagery in Early Modern Europe" by Thomas J. Hummel.
6. "Warrior Dreams: Paramilitary Culture in Post-Vietnam America" by James William Gibson.
7. "Military Education: A Reference Handbook" by James C. Crowley.
8. "Women in the Military: Flirting with Disaster" by Brian Mitchell.
9. "Race, Gender, and Military Personnel: Challenges for Civil Military Relations" edited by Douglas C. Lovelace Jr.
10. "The Impact of Deployment on Military Families" edited by Keith R. Aronson.
11. "Homefront 911: How Families of Veterans Are Wounded by Our Wars" by Stacy Bannerman.
12. "The Militarization of Childhood: Thinking Beyond the Global South" edited by Patrick W. Huff and Marisol Clark-Ibáñez

SEMESTER VIII
NSS-001-RP-4210: RESEARCH PROJECT

Credit: 12; Practical: 30 Hrs per week; Contact Hours: 360; Full Marks: 100

Background

Students who will secure 75% marks and above in the first six semesters and wish to undertake research at the undergraduate level can choose a research stream in the fourth year. They will do a **research project or dissertation** under the guidance of a faculty member of the Department of National Security Studies. The **research project/dissertation** will be in the major discipline. The students who secure 160 credits, including 12 credits from a research project/dissertation, will be awarded UG Degree (Honours with Research).

Course Outcomes

CO1: The graduates would be able to demonstrate the ability to apply knowledge, understanding, and/or skills with an appropriate degree of independence relevant to the level of the qualification.

CO2: The graduates would work independently, identify appropriate resources required for a project, and manage a project through to completion.

CO3: The graduates would exercise responsibility and demonstrate accountability in applying knowledge and/or skills in work and/or learning contexts appropriate for the level of the qualification, including ensuring safety and security at workplaces.

CO4: The graduates should be able to demonstrate the capability to participate in community-engaged services/ activities for promoting the well-being of society.

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	-	2	-	-	-	3	3	3	3
CO2	3	3	3	3	-	2	2	3	3	-	3	3	3	3
CO3	3	3	3	3	-	2	2	3	3	2	3	3	3	3
CO4	3	3	3	3	0	2	2	2	-	3	3	3	3	3
Average	3	3	3	3	0.75	1.5	2	2	1.5	1.25	3	3	3	3

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Norms

1. The project work/dissertation will be on a topic in the disciplinary programme of study or an interdisciplinary topic.
2. The students are expected to complete the Research Project in the eighth semester. The research outcomes of their project work may be published in peer-reviewed/Refereed/UGC-CARE List/ journals /Scopus or may be presented in conferences /seminars or may be patented.
3. Students may be permitted to carry out a research project or dissertation in another department of RGU or another institution provided the required facilities are available.

Learning Assessment

Evaluation will be based on continuous assessment, in which sessional work and the terminal examination will contribute to the final grade. Sessional work will consist of class tests, mid-semester examination(s), homework assignments, etc., as determined by the faculty in charge of the courses of study. Project work in Psychology discipline would generally be carried out under the supervision of an expert of the given external entity. The curricular component of 'community engagement and service' will involve activities that would expose students to the socio-economic issues in society so that the theoretical learnings can be supplemented by actual life experiences to generate solutions to real-life problems. The final semester will be devoted to seminar presentation, preparation, and submission of project report/dissertation.

SEMESTER VIII**NSS-001-RC-4210: RESEARCH AND PUBLICAITON ETHICS/MOOC's**

Credit: 4; Lecture: 3 Hrs per week; Tutorial: 1 Hr per week; Contact Hours: 60; Full Marks: 100
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Learning Objectives

LO1: To bring awareness about the publication ethics and publication misconducts.

LO2: To know the basics of philosophy of science and ethics, research integrity, publication ethics.

LO3: To identify research misconduct and predatory publications.

Course Outcomes

CO1: Orienting students towards the philosophy of ethics and misconducts.

CO2: Develop understanding about research integrity and publication guidelines

CO3: Understand various guidelines and regulation in publication ethics

CO4: Identifying research misconduct and predatory publications.

Course Content

Unit No.	Content	Contact Hours	CO
1	Ethics and Publication 1.1 Introduction to Philosophy: Definition, Nature and Scope, Concept, Branches. 1.2 Ethics: Definition, Moral Philosophy 1.3 Nature of Moral Judgements and Reactions	15	1
2	Scientific Conduct 2.1 Ethics with Respect to Research. 2.2 Intellectual Honesty and Research Integrity. 2.3 Scientific Misconducts: Falsification, Fabrication, and Plagiarism	15	2
3	Publication Ethics 3.1 Publication Ethics: Definition, Introduction and Importance. 3.2 Best Practices / Standards Setting Initiatives and Guidelines: COPE, WAME, etc. 3.3 Conflicts of Interest.	15	3
4	Publication Misconduct 4.1 Definition, Concept, Problems That Lead to Unethical Behavior and Vice-Versa, Types. 4.2 Violation of Publication Ethics, Authorship and Contributor ship. 4.3 Identification of Publication Misconduct, Complaints and Appeals. 4.4 Predatory Publishers and Journals.	15	4

Mapping of POs/PSOs with COs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	-	2	-	-	-	3	3	3	3
CO2	3	3	3	-	-	2	2	3	3	-	3	3	3	-
CO3	3	3	3	-	-	2	2	3	3	2	3	3	3	-
CO4	3	3	3	3	0	2	2	2	-	3	3	3	3	-
Average	3	3	3	1.25	0.75	1.5	2	2	1.5	1.25	3	3	3	0.75

The Mapping Level Contribution between COs-POs/PSOs are Categorized as [3: High; 2: Medium; 1: Low; -: No Correlation]

Books/Journal Articles Recommended

1. Bird, A. (2006). *Philosophy of Science*. Routledge.
2. MacIntyre, Alasdair (1967) *A Short History of Ethics*. London.
3. P. Chaddah, (2018) *Ethics in Competitive Research: Do not get scooped; do not get plagiarized*, ISBN:9789387480865.
4. National Academy of Sciences, National Academy of Engineering and Institute of Medicine. (2009). *On Being a Scientist: A Guide to Responsible Conduct in Research*: Third Edition. National Academies Press.
5. Resnik, D. B. (2011). What is ethics in research & why is it important. *National Institute of Environmental Health Sciences*, 1—10. Retrieved from <https://www.niehs.nih.gov/research/resources/bioethics/whatis/index.cfm>.

Note: Students enrolled in the programme at the University Campus are required to take at least one Research Course through MOOC’s. For colleges, it is recommended, though not mandatory, that students could take at least one research course through MOOCs.
