

**CURRICULUM FRAMEWORK FOR
POST-GRADUATE PROGRAMME IN DEFENCE AND
STRATEGIC STUDIES**

AS PER NATIONAL EDUCATION POLICY (NEP) - 2020

**P.G. DIPLOMA in DEFENCE AND STRATEGIC STUDIES
(Programme Code: NSS-1101)**

**ONE YEAR/TWO YEAR M.A. in DEFENCE AND STRATEGIC
STUDIES with RESEARCH
(Programme Code: NSS-2101)**

**ONE YEAR/TWO YEAR M.A. in DEFENCE AND STRATEGIC
STUDIES with COURSE WORK and RESEARCH
(Programme Code: NSS-3101)**

**ONE YEAR/TWO YEAR M.A. in DEFENCE AND STRATEGIC
STUDIES with COURSE WORK
(Programme Code: NSS-4101)**

**WITH EFFECT FROM THE
ACADEMIC YEAR: 2024-25**



**RAJIV GANDHI UNIVERSITY - A CENTRAL UNIVERSITY
DEPARTMENT OF NATIONAL SECURITY STUDIES
RONO HILLS, DOIMUKH, ARUNACHAL PRADESH-791112**

1.0 The Preamble

The Post Graduate Programme in Defence and Strategic Studies at the Department of National Security Studies, Rajiv Gandhi University (RGU), Rono Hills 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 Post Graduate (PG) 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 Post Graduate (PG) 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 Post Graduate (PG) 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. However, is a great strategic enterprise to this effect to build an architecture in not only reviewing the existing course curricula, but also endeavour to create a roadmap for its variant's 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'. However, there is great need to showcase the subject in its own turf due to its multi - disciplinary spread into arts, science, management, sports, leadership strategy and defining of political behaviour, provides an opportunity to examine such various dimensions.

The PGP-NSS at RGU includes mandatory/major courses, elective courses and tutorials. Its curriculum is meticulously crafted to address the demands and challenges of our diverse society. The program has a student-centred approach, focusing on individual students and trying to improve their knowledge, skills, and employability. Additionally, students will also be trained in research methodology and research ethics.

The PGP-NSS at RGU, as per National Education Policy-2020 (NEP-2020) currently consists of the 2-year programme, with the second year primarily dedicated to research, for any graduates of 3-year Bachelor's programs. Alternatively, for those completing the 4-year Bachelor's any programme with Honours/Honours with Research would be considered for a 1-year Master's programme.

Credit Requirements and Eligibility for the Master’s Programme

| Sr. No. | Programme Name/Qualifications | Level | Credits | Credit Points |
|---------|---|-------|---------|---------------|
| 1 | PG Diploma | 6 | 40 | 240 |
| 2 | 1-Year PG after a 4-year UG | 6.5 | 40 | 260 |
| 3 | 2-Year PG after a 3-year UG | 6.5 | 40 + 40 | 260 |
| 4 | 2-Year PG after a 4-year UG such as B.E., B. Tech. etc. | 7 | 40 + 40 | 280 |

1.1 Graduate Attributes of PG Programmes

Qualifications that signify completion of the postgraduate degree will be awarded to students who:

- i) Would demonstrate knowledge and understanding that is based upon opportunity for originality in developing and/or applying ideas, often within a research context;
- ii) can apply their knowledge understanding, and problem-solving abilities in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their field of study;
- iii) have the ability to integrate knowledge and handle complexity, and formulate judgments with incomplete or limited information, but that include reflecting on social and ethical responsibilities linked to the application of their knowledge and judgments;
- iv) can communicate their conclusions, and the knowledge and rationale underpinning these, to specialist and non-specialist audiences clearly and unambiguously;
- v) have the learning skills to allow them to continue to study in a manner that may be largely self-directed or autonomous.

1.2 Curricular Components at Entry Level for a Post Graduate Programme

1-year PG Diploma in Defence and Strategic Studies: Students entering after 1-year of 2-year of PG with a min. credit earned equivalent to 40 will be awarded with PG Diploma in Defence and Strategic Studies.

1-year Master of Arts in Defence and Strategic Studies: Students entering 1-year Master of Arts in Defence and Strategic Studies after a 4-year UG programme can choose to do (i) only coursework or (ii) research or (iii) coursework and research.

2-year Master of Arts in Defence and Strategic Studies: Students entering 2-year Master of Arts in Defence and Strategic Studies after a 3-year UG programme can choose to do (i) only course work in the third and fourth semester or (ii) course work in the third semester and research in the fourth semester or (iii) only research in the third and fourth semester.

The programme is intended to sharpen the students’ analytical abilities to optimally solve problems, the curriculum, in general, comprises advanced skills and real-world experience and less of a research component.

1.3 Credit Distribution

a) For 1-year Master of Arts in Defence and Strategic Studies

Department of National Security Studies shall follow Coursework + Research Model for 1-year Master of Arts in Defence and Strategic Studies

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| Curricular Components | One -Year Master of Arts in Defence and Strategic Studies Programme Minimum Credits | | | |
|-----------------------|--|------------|--------------------------------|---------------|
| | Course Level | Coursework | Research thesis/project/Patent | Total Credits |
| Coursework + Research | 500 | 20 | 20 | 40 |

b) 2 Year Master of Arts in Defence and Strategic Studies

| Curricular Components | | Two-Year Master of Arts in Defence and Strategic Studies Programme Minimum Credits | | | |
|---|--------------------------|---|------------|--------------------------------|---------------|
| | | Course Level | Coursework | Research Thesis/Project/Patent | Total Credits |
| 1 st Year (1 st & 2 nd Semester) | | 400 500 | 20 20 | -- | 40 |
| Students who exit at the end of 1st year shall be awarded a Postgraduate Diploma in Defence and Strategic Studies | | | | | |
| 2 nd Year (3 rd & 4 th Semester) | Course Work and Research | 500 | 20 | 20 | 40 |

1.4 Exit Point

1. In case of M.A in Defence and Strategic Studies (1 Year) programme, there shall be no exit point. All enrolled students have to complete their post-graduation within 1-year duration/two semesters.

2 In case of M.A in Defence and Strategic Studies (2 Year) programme, there shall only be one exit point for those who join two-year PG programme. However, students who exit at the end of 1st year shall be awarded a Postgraduate Diploma in Education and they shall have to complete their PG within duration of 4 years.

Course Levels

400-499: Advanced courses which would include lecture courses with practicum, seminar- based course, term papers, research methodology, advanced laboratory experiments/software training, research projects, hands-on-training, internship/apprenticeship projects at the undergraduate level or First year Postgraduate theoretical and practical courses

500-599: For students who have graduated with a 4-year bachelor’s degree. It provides an opportunity for original study or investigation in the major or field of specialization, on an individual and more autonomous basis at the postgraduate level

1.5 Flexibility

- Flexibility is one of the hallmarks of NEP 2020. The benefit of pursuing M.A in Defence and

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Strategic Studies is that it offers great flexibility viz. enrolling in online programmes, pursuing two postgraduate programmes simultaneously, crediting work experience, etc. Also, it is noticeable that postgraduate programmes which are entirely online, allow students to participate in the programme along with their current responsibilities. This makes earning a postgraduate degree while continuing to work easier and more accessible to individuals.

- Another opportunity for students is the facility to pursue two academic programmes simultaneously 1) in two full-time academic programmes in the physical mode provided that there is no overlapping of class timings between the two programmes. 2) A student can pursue two academic programmes, one in full-time physical mode and another in Open and Distance Learning (ODL)/Online mode; or up to two ODL/Online programmes simultaneously. Degree or diploma programmes under ODL/Online mode shall be pursued with only such HEIs which are recognized by UGC/Statutory Council/Govt. of India for running such programmes.
- Creditisation of relevant work experience is another initiative to make education more holistic. The UGC-NCrF enables the assignment of credits for the experience attained by a person after undergoing a particular educational programme. In case a learner through employment gains experiences relevant to the PG programme he/she wants to pursue; the work experience can be creditised after assessment. Accordingly, the duration can be adjusted by the RGU. The maximum weightage provided for under this dimension is two (2) i.e. a candidate/ trained person can at best earn credits equal to the credits acquired for the base qualification/ skill, provided he has more than a certain number of years of work experience. The redemption of credits so earned, however, shall be based on the principle of assessment bands given in the National Curriculum Framework (NCrF).
- The credit points may be redeemed as per Academic Bank of Credit (ABC) guidelines for entry or admission in higher education at multiple levels enabling horizontal and vertical mobility with various lateral entry options
- The principle of calculating credits acquired by a candidate by virtue of relevant experiential learning including relevant experience and professional levels acquired and attaining proficiency levels (post-completion of an academic grade/ skill-based program) gained by the learner/student in the industry is given in the Table 1.5.1 below.

1.5.1 Credit Assignment for Relevant Experience / Proficiency

| Experience cum Proficiency Levels | Description of the relevant Experiential learning including relevant experience and professional levels acquired and attaining proficiency levels | Weightage/ multiplication Factor | No. of years of experience (Only indicative) |
|--|--|---|---|
| Trained/ Qualification Attained | Someone who has completed the coursework/ education/ training and has been taught the skills and knowledge needed for a particular job or activity. | 1 | Less than or equal to 1 year |

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| | | | |
|-------------------|---|------|-------------------------------------|
| Proficient | Proficient would mean having the level of advancement in a particular profession, skillset, or knowledge. | 1.33 | More than 1 less than or equal to 4 |
| Expert | Expert means having high level of knowledge and experience in a trade or profession. | 1.67 | More than 4 less than or equal to 7 |
| Master | Master is someone having exceptional skill or knowledge of a subject/domain. | 2 | More than 7 |

1.6 Assessment Strategy

The NEP-2020 emphasizes upon formative and continuous assessment rather than summative assessment. Therefore, the scheme of assessment will have components of these two types of assessments. Assessment has to have correlations with the learning outcomes that are to be achieved by a student after completion of the course. Therefore, the mode and system of assessments have to be guided by the learning outcomes.

1.6.1 Course Evaluation/Assessment

The evaluation system in the form of marks distribution for each course in Post Graduate Programme in Defence and Strategic Studies is depicted in the credit system.

1.7 Letter Grades and Grade Points

The Semester Grade Point Average (SGPA) is computed from the grades as a measure of the student's performance in a given semester. The SGPA is based on the grades of the current term, while the Cumulative GPA (CGPA) is based on the grades in all courses taken after joining the programme of study. The HEIs may also mention marks obtained in each course and a weighted average of marks based on marks obtained in all the semesters taken together for the benefit of students.

| Letter Grade | Grade Point |
|-------------------|-------------|
| O (Outstanding) | 10 |
| A+ (Excellent) | 9 |
| A (Very Good) | 8 |
| B+ (Good) | 7 |
| B (Above Average) | 6 |
| C (Average) | 5 |
| P (Pass) | 4 |
| F (Fail) | 0 |
| Ab (Absent) | 0 |

1.7.1 Computation of SGPA and CGPA

UGC recommends the following procedure to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

- i. The SGPA is the ratio of the sum of the product of the number of credits with the grade points

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scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e.

$$SGPA (S_i) = \sum (C_i \times G_i) / \sum C_i$$

-where C_i is the number of credits of the i^{th} course and G_i is the grade point scored by the student in the i^{th} course.

Example for Computation of SGPA is given below:

| Semester | Course | Credit | Letter Grade | Grade Point | (Credit x Grade) |
|-------------|----------|-----------|--------------|-------------|--------------------|
| 1 | Course 1 | 3 | A | 8 | 3 x 8 = 24 |
| 1 | Course 1 | 4 | B + | 7 | 4 x 7 = 28 |
| 1 | Course 1 | 3 | B | 6 | 3 x 6 = 18 |
| 1 | Course 1 | 3 | O | 10 | 3 x 10 = 30 |
| 1 | Course 1 | 3 | C | 5 | 3 x 5 = 15 |
| 1 | Course 1 | 4 | B | 6 | 4 x 6 = 24 |
| | | 20 | | | 139 |
| SGPA | | | | | 139/20=6.95 |

ii. The Cumulative Grade Point Average (CGPA) is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programme, i.e.

$$CGPA = \sum (C_i \times S_i) / \sum C_i$$

-where S_i is the SGPA of the i^{th} semester and C_i is the total number of credits in that semester. Example for Computation of CGPA

| Semester 1 | Semester 2 | Semester 3 | Semester 4 |
|--|------------|------------|------------|
| Credit 20 | Credit 20 | Credit 20 | Credit 20 |
| SGPA 6.9 | SGPA 7.8 | SGPA 5.6 | SGPA 6.0 |
| CGPA = (20 x 6.9 + 20 x 7.8 + 20 x 5.6 + 20 x 6.0)/80 = 6.6 | | | |

The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

2.0 Nomenclature Used in the Syllabus as per NEP-2020

- **Programme Educational Objective (PEO)**
PEOs are broad statements that describe the career and professional accomplishments that graduates of a programme are expected to achieve within a few years of graduation.
- **Programme Outcome (PO)**
POs are specific statements that describe what students are expected to know and be able to do by the time they complete a programme.
- **Programme Specific Outcome (PSO)**
PSOs are similar to POs but are more specific to a particular specialization or focus area within a programme.

▪ **Course Outcome (CO)**

COs are statements that describe the specific learning objectives of individual courses within a programme.

2.1 PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

The Post Graduate programme in Defence and Strategic Studies aims to fulfil the following goals and educational objectives:

PEO 1: In-depth Understanding: To develop a deep understanding of national security challenges, international relations, warfare dynamics, and strategic defence mechanisms to effectively analyse and address security issues.

PEO 2: Applied Knowledge: To equip students with the capability to apply knowledge of Defence and Strategic Studies to real-world scenarios, emerging security threats, and global conflicts, fostering practical problem-solving skills.

PEO 3: Strategic Thinking: To cultivate strategic thinking and leadership abilities essential for formulating and implementing defence and security strategies at national, regional, and international levels.

PEO 4: Ethical Decision-Making: To instil a sense of ethical responsibility and moral conduct, ensuring graduates make principled decisions in defence and strategic roles, upholding integrity in security-related decision-making.

PEO 5: Professional Development: To support the professional development of students, enabling them to pursue advanced studies, research, and career paths in defence, national security, intelligence, and strategic analysis domains.

2.2 PROGRAMME OUTCOMES (POs)

PO1: Basic Foundational Knowledge

The post 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

The post graduates will develop the ability to employ the tools of critical thinking and methods of enquiry in identifying, formulating, analysing, and evaluating complex problems and issues for arriving at effective solutions from first principles.

PO3: Research Orientation and Application

The post 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: Indigenous Context and Idea of Good Citizenship

The post graduate students 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

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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 post graduates should be able to demonstrate the capability to solve different kinds of problems in familiar and non-familiar contexts and apply the learning to real-life situations.

PO6: Creativity and Diligence

The post 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: Language and Communication Skills

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

PO9: Empathy

The post graduates should be able to demonstrate the ability to identify with or understand the perspective, experiences, or points of view of another individual or group, and to identify and understand other people's emotions.

PO10: Leadership Qualities

The post 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.

2.3 PROGRAMME SPECIFIC OUTCOMES (PSOs)

The learning outcomes that a student should be able to demonstrate on completion of the post graduate degree programme may involve academic, behavioural and social competencies as described below:

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PSO1-Strategic Planning Proficiency: Graduates will demonstrate the ability to develop and assess strategic plans, including defence strategies, security policies, and crisis response frameworks, to address complex national and international security challenges.

PSO2- Military and Intelligence Analysis: Students will be proficient in conducting military and intelligence analyses, utilizing strategic and tactical assessments to comprehend and address evolving defence and security threats.

PSO3- Geopolitical Understanding: Graduates will exhibit a comprehensive understanding of global geopolitics, enabling them to assess the impact of international relations, alliances, and conflicts on national security and strategic decision-making.

PSO4- Security Policy Development: Students will develop skills in formulating, evaluating, and implementing security policies, encompassing defence strategies, risk management, and diplomatic approaches to address multifaceted security concerns.

PSO5- Counter-terrorism Strategies: Graduates will acquire knowledge and strategies to analyse, formulate, and implement counter-terrorism measures, contributing to the national and international efforts to counter and prevent acts of terrorism.

2.4 Structure of the PG Diploma/One/Two Year Post-Graduate 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

Course Structure for One Year PG Diploma in Defence and Strategic Studies

(Programme Code: NSS-1101) /

**One Year MA in Defence and Strategic Studies with Research /
Two Years M.A. in Defence and Strategic Studies with Research**

(Programme Code: NSS-2101)

| NCrf Cred- it Level | Semester | Core Papers (Core Course/Elective) | Course Level | Credit | Total Credit | Max. Marks | | | Credit Distribution L: T: P | Contact Hours |
|--|----------|--|--------------|--------|--------------|------------|---------|-------|--------------------------------|---------------|
| | | Course Name | | | | Internal | End Sem | Total | | |
| 6 | Sem-I | NSS-101-CC-5110- International Relations: Defence Aspects | 400 | 4 | 20 | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-CC-5120- Geopolitics and Military Geography | 400 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-CC-5130- Legal Aspects of International Security | 400 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-CC-5140- Issues of Global Conflict and Their Resolution Strategies | 400 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-RC-5110-Research Methodology /MOOC's Equivalent | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | Sem-II | NSS-101-CC-5210- Strategic Thoughts | 400 | 4 | 20 | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-DE-52010- Military Psychology (Elective 1) | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-DE-52020- Map Reading of India's Strategic Location (Elective 2) | 500 | 4 | | 20 | 80 | 100 | 0:0:4 | 120 |
| | | NSS-101-DE-52030- Economic Aspects of National Security (Elective 3) | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-RC-5210-Research and Publication Ethics /MOOC's Equivalent | 400 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| Total Credit (1 Year) | | | | | 40 | | | | | |
| Exit option with Post-Graduate Diploma in Defence and Strategic Studies on completion of courses equal to a minimum of 40 credits or Entry to One Year M.A in Defence and Strategic Studies with Research | | | | | | | | | | |
| 6.5 | Sem-III | NSS-101-RP-6110- | 500 | 40 | 40 | - | - | 500 | 0:0:4 | 1200 |
| | Sem-IV | Research Project | | | | | | | | |
| Total Credit (Aggregate) | | | | | 80 | | | | | |
| M.A. in Defence and Strategic Studies with Research on completion of courses equal to a minimum of 80 credits | | | | | | | | | | |

SEMESTER – I

SEMESTER I**NSS-101-CC-5110: 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 defence and security.

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

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

Course Outcomes

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

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

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

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

Course Content

| 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 | Concepts and Approaches 2.1 Balance of Power 2.2 Means, Kinds and way 2.3 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 |

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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 | 1 | 2 | 2 | 1 | - | - |
| CO2 | 3 | - | - | - | 3 | 3 | - | 2 | 1 | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | 3 | - | 3 | 3 | 3 | 3 | 1 | - | 3 | 2 | 3 | 3 |
| CO4 | - | 3 | - | 3 | - | - | - | 3 | 1 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.5 | 0.75 | 0.75 | 2.25 | 2.25 | 0.75 | 2.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2 |

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 Guehenno
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. *"Ghost Fleet: A Novel of the Next World War"* by P.W. Singer and August Cole

SEMESTER I

NSS-101-CC-5120: 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 analyse the geopolitical significance of key geographical features, including landforms, waterways, and natural resources.

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

Course Outcomes

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

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

CO3: Grasp 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 | 3 |
| 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 |

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|------------|----------|----------|------------|-------------|------------|------------|
| CO1 | 3 | 3 | - | - | 1 | 3 | 1 | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 1 | - | 3 | 3 | 1 | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | 2 | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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 I**NSS-101-CC-5130: 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 analyse the legal frameworks governing the use of force, humanitarian intervention, and collective security.

Course Outcomes

CO1: Understand and identify key principles and concepts of international law related to international security.

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

CO3: Understand the legality of state actions, such as self-defence, pre-emptive 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 |

SYLLABUS OF PGP-NSS-24-25

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|
| CO1 | 3 | 3 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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. *"An Introduction of International Law"* by Tandon, M.P, and Rajesh Tandon, (1987), Allahabad Law Agency, Allahabad.
14. *"International Law"* by Kapoor, S.K., (1987), Central Law Agency, Allahabad.
15. *"An Approach to International Law"* by Chavan, R.S., (1971), Sterling Publisher, New Delhi.
16. *"An Introduction to International"* by Law,Starke, J., (1972), Buttersworth, London.
17. *"International Law"* by Oppenheim, L (2008), 9th Edition, University of Cambridge.

SEMESTER I**NSS-101-CC-5140: ISSUES OF GLOBAL CONFLICT AND THEIR RESOLUTION STRATEGIES**

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

Learning Objectives

LO1: To understand the conceptual aspect of conflict resolution and peacebuilding.

LO2: To understand the various processes involved in resolving conflicts.

LO3: To understand peace building in local, regional, international and also confidence building measures.

LO4: To know the role of international organisations.

Course Outcomes

CO1: Comprehend the concept and importance of conflict resolution and peace building while learning about the nature of conflict.

CO2: Understand and learn about the multiple methods including pacific and coercive methods to resolve conflict mentioned in International Law.

CO3: Understand peacebuilding viewpoints also includes dispute resolution approaches and distinguishing conflict management, prevention, transformation, and resolution.

CO4: Understand the international organisations role in maintaining peace and security.

| Unit No. | Content | Contact Hours | CO |
|-----------------|---|----------------------|-----------|
| 1 | Conceptual Aspects 1.1 Conflict Resolution and Peace Building: Concept and Significance. 1.2 Nature of Conflict: Inter – state and Intra – state. 1.3 Source of Conflict. 1.4 Forms of Conflict. | 15 | 1,2 |
| 2 | Conflict Resolution 2.1 Pacific Methods. 2.2 Coercive Methods. | 15 | 2 |
| 3 | Peace Building 3.1 Peace Building: Local, Regional and International perspective. 3.2. Conflict Prevention. 3.3 Conflict Management. 3.4 Conflict Transformation. 3.5 Confidence Building Measure: Concept and Techniques | 15 | 3 |
| 4 | International Organisations Role 4.1 United Nation objectives, role and achievement in maintaining peace and security. 4.2 Role of IGOs, NGOs. | 15 | 4 |

SYLLABUS OF PGP-NSS-24-25

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|
| CO1 | 3 | 3 | - | - | 1 | 3 | - | 1 | 1 | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | 1 | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 1 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 1 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. Barash, David, P. (2000). *Approaches to Peace: A Reader in Peace Studies*, Third Edition, Washington.
2. Garnett Johan. (1970). *Theories of Peace and Security, A Structural Theory of Aggression*, London.
3. Galtung, Johan. (1996). *Peace by Peaceful Means*, Development of Civilization, London.
4. Galtung, Johan, (1984), *The Struggle for Peace*, Distributor, Navajivam Publisher, Columbia University.
5. Murty, K. Satchidananda. (1986). *Quest for Peace*, Ajanta Publication, Andhra University.
6. Murty, K. S. and Boughet A. C. (1960). *Studies in the Problems of Peace*, Asia Publishing House, New York.
7. Peter Wallen Steen, ed. (2011). *Peace Research: Achievements and Challenges*, Routledge, London.
8. Rennie, Linda and Preagar, Forcey, (eds.). (1986). *Peace: Meanings, Politics and Strategies*.
9. Ursula, Oswald, (ed.). (2000). *Peace Studies from a Global Perspective*, Maadhyam Book, Delhi.

SEMESTER I**NSS-101-RC-5110-RESEARCH METHODOLOGY/ MOOC's**

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

Learning Objectives

LO1: To make students aware of the basic features of various types of research in social science.

LO2: To familiarize students with source of research problems, types of variables in security areas.

LO3: To understand different kinds of measures and techniques for assessing various defence problems.

Course Outcomes

CO1: Comprehend the students of the basic features of various types of research in social science.

CO2: Familiarize students with source of research problems, types of variables in security areas.

CO3: Understand different kinds of measures and techniques for assessing various defence problems.

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 & testing procedures. 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 |

SYLLABUS OF PGP-NSS-24-25

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|
| CO1 | 3 | 3 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 2 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | 1 | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. *“Introduction to the Responsible Conduct of Research”* by Nicholas H. Steneck, Office of Research Integrity. 2007. Available at: <https://ori.hhs.gov/sites/default/files/rcrintro.pdf>
2. *“The Student's Guide to Research Ethics”* by Paul Oliver Open University Press, 2003
3. *“Responsible Conduct of Research”* Adil E. Shamoo; David B. Resnik Oxford University Press, 2003.
4. *“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.
5. *“Thesis and assignment writing”* by Anderson B.H., Dursaton, and Poole M Wiley Eastern 1997.
6. *“How to write and illustrate scientific papers?”* by Bijorn Gustavii, Cambridge University Press.
7. *“Research Methods – A Process of Inquiry”* by Graziano, A., M., and Raulin, M., L. Sixth Edition Pearson.
8. *“Social research methods: Qualitative and quantitative approaches”* by Newman W, L. (2008). New Delhi: Pearson Education.

SEMESTER – II

SEMESTER II**NSS-101-CC-5210: 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 understand about the concepts of selected strategic thinkers.

LO3: To enable students about the nuclear deterrence and its theories.

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, manoeuvre, 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 Contents

| Unit No. | Content | Contact Hours | CO |
|----------|---|---------------|----|
| 1 | Strategic Thinking 1.1 Kautilya'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 4.1 John Foster Dulles. 4.2 Theories of Nuclear War and Deterrence. | 15 | 4 |

SYLLABUS OF PGP-NSS-24-25

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|-----|-----|------|-----|------|------|-----|------|------|------|------|------|------|------|
| CO1 | 1 | 2 | 3 | - | - | - | - | - | 3 | - | 2 | 1 | - | 3 |
| CO2 | 1 | 3 | 3 | - | - | - | - | - | 3 | - | 3 | 3 | 3 | 2 |
| CO3 | 1 | - | 3 | - | - | - | - | - | 3 | - | 3 | 2 | 3 | 2 |
| CO4 | 1 | 3 | - | - | 3 | 3 | - | 3 | - | - | 2 | 3 | 3 | 3 |
| Average | 1 | 2 | 2.25 | | 0.75 | 0.75 | 0 | 0.75 | 2.25 | 0 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. Cohen, S.B. (1964). *Geography and Politics in a Divided World*, Methuen & Co, New York.
2. Dass, S.T. (2014). *An Introduction to the art of war*, Fingerprint! Publishing, China.
3. Duffy, Christopher. (1997). *Siege Warfare*, Routledge, New York.
4. Earl, E.M. (1943). *Makers of Modern Strategy*, Princeton University Press,
5. Fuller, J.F.C. (1998). *Armament and History*, Da Capo Press, Germany.
6. Fuller, J.F.C. (2017). *The Conduct of war*, Routledge, Germany.
7. Ropp, Theodore. (2000). *War in the Modern World*, Johns Hopkins University.
8. Shepherd, E.W. (2008). *A Study of Military History*, Oxford University Press, UK.
9. Shama Shastri. (2012). *Kautilya's Arthshastra*, Low Price Publications, Kashmir.
10. Tzu, Sun. (2010). *The Art of War*, Jayco Publishing House, China.

SEMESTER II**NSS-101-DE-52010: MILITARY PSYCHOLOGY (ELECTIVE-1)**

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

Learning Objectives

LO1: To provide the students with a broad overview of applications of psychology in the military.

LO2: To understand and manage the psychological consequences of the continuum of conflict.

LO3: 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: Grasp the psychological aspects of war, psychological weapons of war such as propaganda, rumour and indoctrination.

CO4: Visualize the impact of invisible casualty of war on the Military Personnel and their family members.

Course Contents

| 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 |
| 2 | Fear and Panic in War 2.1 Causes. 2.2 Consequences and 2.3 Management of Fear and Panic in War. | 15 | 2 |
| 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 | 3 |
| 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 |

SYLLABUS OF PGP-NSS-24-25

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|------|------|-----|-----|------|------|-----|------|-----|------|------|------|------|------|
| CO1 | 1 | 1 | - | 2 | | 3 | - | - | - | - | 2 | 1 | - | 3 |
| CO2 | - | - | - | - | - | 3 | 3 | - | - | - | 3 | 3 | 3 | 2 |
| CO3 | - | - | - | - | - | 2 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 3 | - | - | 3 | 3 | 3 | 3 | - | - | 2 | 3 | 3 | 3 |
| Average | 0.25 | 0.25 | 0 | 0.5 | 0.75 | 2.75 | 2 | 1.25 | 0.5 | 0 | 2.5 | 2.25 | 1.5 | 2.5 |

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 II

NSS-101-DE-52020: MAP READING OF INDIA'S STRATEGIC LOCATION (ELECTIVE-2)

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

Learning Objectives

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

LO2: To know the 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: Understand the strategic location nearby.

CO2: Understand the several military bases of India.

CO3: Learn certain professional skill writing on security issues.

CO4: Update the current security issues.

Course Content

| Unit No. | Content | Contact Hours | CO |
|----------|---|---------------|----------|
| 1 | Mark the areas in the map provided and to write a brief note about the Spots in only own hand witting 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 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 |

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 rules of credit system.

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| CO1 | 1 | - | - | - | - | - | - | - | - | - | 2 | 1 | - | 3 |
| CO2 | - | - | - | - | - | - | 2 | 2 | - | - | 3 | 3 | 3 | 2 |
| CO3 | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 3 | 2 |
| CO4 | 1 | - | - | 2 | - | - | - | - | - | - | 2 | 3 | 3 | 3 |
| Average | 0.5 | - | - | 0.5 | - | - | 0.5 | 0.5 | - | - | 2.5 | 2.25 | 1.5 | 2.5 |

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

SEMESTER II**NSS-101-DE-52030: ECONOMICS ASPECTS OF NATIONAL SECURITY (ELECTIVE-3)**

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

Learning Objectives

LO1: To 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 provide clear understanding on India's defence production system.

Course Outcomes

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

CO2: Understand the various theories and principles of defence economics and national security.

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

CO4: Grasp 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 |
| 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 |

SYLLABUS OF PGP-NSS-24-25

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|------|-----|-----|-----|-----|-----|-----|------|-----|------|------|------|------|------|
| CO1 | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - | 3 |
| CO2 | 1 | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | 2 |
| CO3 | - | - | - | 3 | - | - | - | 3 | - | 3 | 3 | 2 | 3 | 2 |
| CO4 | - | - | - | 3 | - | - | 2 | 2 | - | 3 | 2 | 3 | 3 | 3 |
| Average | 0.25 | - | - | 1.5 | - | - | 0.5 | 1.25 | - | 1.5 | 2.5 | 2.25 | 1.5 | 2.5 |

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 II**NSS-101-RC-5210: RESEARCH AND PUBLICATION ETHICS**

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

Learning Objectives

LO1: To provide awareness about publication ethics and publication misconduct.

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

LO3: To identify research misconduct and predatory publications.

Course Outcomes

CO1: Develop understanding towards nature of publication ethics and moral standards.

CO2: Develop understanding about research integrity and publication guidelines.

CO3: Familiarity with standards setting initiatives and guidelines popular in the field.

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 |
| 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 | 3 |
| 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 Behaviour 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 |

SYLLABUS OF PGP-NSS-24-25

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| CO1 | - | - | 3 | - | - | | - | 2 | 3 | - | 2 | 1 | - | 3 |
| CO2 | - | - | 3 | - | - | - | - | 2 | 3 | - | 3 | 3 | 3 | 2 |
| CO3 | - | - | 3 | - | - | - | - | 2 | 3 | - | 3 | 2 | 3 | 2 |
| CO4 | - | - | 3 | - | - | - | - | 2 | 3 | - | 2 | 3 | 3 | 3 |
| Average | - | - | 3 | - | - | - | - | 2 | 3 | - | 2.5 | 2.25 | 1.5 | 2.5 |

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. Mc Intyre, 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 might also opt for MOOC's equivalent courses.

**SEMESTER –
III & IV
(RESEARCH)**

| |
|---|
| Credit: 40; Contact Hours: 1200; Full Marks: 500 |
|---|

Introduction

The multidisciplinary, transdisciplinary and translational research culture is expected to be introduced at postgraduate level. Such research project undertaken will obviously enhance the research productivity, collaboration at national and international level in various industries, government as well as community-based organizations and agencies. Students will carry out 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.

Learning Objectives

LO1: The post 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.

LO2: The post graduates should be able to demonstrate the capability to participate in community-engaged services/ activities for promoting the well-being of society.

LO3: To enable the students to undertake research projects that are relevant and important.

LO4: To apply pre-learnt concepts to design research problem with help of literature survey.

Course Outcomes

CO1: Students will do the ground work for research in terms of identifying a relevant research topic (relevance will be decided based on the subject). Identifying the queries and literature review.

CO2: Define well formulated specific objectives that help develop the overall research methodology.

CO3: To enable students to do sufficient groundwork in terms of preparing the outline of research plan which includes grants, infrastructural requirements and procurement of resources.

CO4: By the end of the semester the student is expected compile and communicate the Research Proposal with proper format and if possible have procured funding for the same.

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 journals 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 Department of National Security Studies 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

SYLLABUS OF PGP-NSS-24-25

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.

| Sr. No. | Semester | Tasks/Assignments for Research Project per Semester | Evaluation | Total Marks |
|---------|----------|--|--------------------|-------------|
| 1. | III | <p>1. Within 15 days of commencement of the Semester, all students will be allocated Supervisors as per the norms of RGU or as per availability of faculty with mutual consent.</p> <p>2. Topics will be submitted by such students within 30 days of commencement of the Semester to the concerned allocated Supervisor.</p> <p>3. Three sessional tests will be carried out by each student under the Supervision of the respective Supervisor. Average of these 3 sessional exams will be submitted before end semester examination by each supervisor to HoD Office to prepare the necessary cut-off-list, as per RGU norms.</p> <p>4. Sessional tests would be inclusive of overall progress made by the student during the said semester/journal maintenance/journal article submission to Peer- Reviewed/Referred /UGC-CARE List/ Scopus listed journals as the case may be), power point presentation/assignment submission on a relevant topic/conference presentations/workshops attended/ other academic assignments provided by the allocated Supervisor.</p> <p>5. End Semester Examination will comprise of submission of Synopsis (at least 10 days prior to due date of Viva-voce to the concerned Supervisor, template of synopsis will be provided by HoD Office) and presentation of the same during Viva-voce Infront of the Departmental Research Council (comprising of HoD as Chairman, One Internal Member and One External Member duly nominated by HoD, and approved by CoE, RGU).</p> | Internal=200 Marks | 500 |
| 2 | IV | <p>1. After commencement of the 4th Semester, students are expected to collect data/sample from respective sites as proposed in the synopsis. However, they can also do the same in earlier semester, after approval from their respective Supervisor.</p> <p>2. Sessional tests would be inclusive of overall progress made by the student during the said semester/journal maintenance/journal article submission to Peer- Reviewed/Referred /UGC-CARE List/ Scopus listed journals as the case may be), power point presentation/assignment submission on a relevant topic/conference presentations/workshops attended/ other academic assignments provided by the allocated Supervisor. Periodic assessment of data collection, analysis and report writing would be carried out by each allocated Supervisor.</p> <p>3. End Semester Examination will comprise of submission of Project Work (at least 10 days prior to due date of Viva-voce to the concerned Supervisor) and power point presentation of the same during Viva-voce Infront of the Departmental Research Council (comprising of HoD as Chairman, One Internal Member and One External Member, duly nominated by HoD and approved by CoE, RGU)</p> | End Sem=300 Marks | |

Course Structure for PG Diploma in Defence and Strategic Studies

(Programme Code: NSS-1101) /

Two Years M.A. in Defence and Strategic Studies with Coursework & Research

(Programme Code: NSS-3101)

| NCrf Credit Level | Semester | Core Papers (Core Course/Elective/Course Work) Course Name | Course Level | Credit | Total Credits | Max. Marks | | | Credit Distribution L: T: P | Contact Hours |
|---|----------|---|--------------|--------|---------------|------------|---------|-------|--------------------------------|---------------|
| | | | | | | Internal | End Sem | Total | | |
| 6 | Sem-I | NSS-101-CC-5110- International Relations: Defence Aspects | 400 | 4 | 20 | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-CC-5120- Geopolitics and Military Geography | 400 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-CC-5130- Legal Aspects of International Security | 400 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-CC-5140- Issues of Global Conflict and Their Resolution Strategies | 400 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-RC-5110-Research Methodology /MOOC's Equivalent | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | Sem-II | NSS-101-CC-5210- Strategic Thoughts | 400 | 4 | 20 | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-DE-52010- Military Psychology (Elective 1) | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-DE-52020- Map Reading of India's Strategic Location (Elective 2) | 500 | 4 | | 20 | 80 | 100 | 0:0:4 | 120 |
| | | NSS-101-DE-52030- Economic Aspects of National Security (Elective 3) | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-RC-5210-Research and Publication Ethics /MOOC's Equivalent | 400 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| Total Credit (First Year) | | | | | 40 | | | | | |
| Exit option with Post-Graduate Diploma in Defence and Strategic Studies on completion of courses equal to a minimum of 40 credits or Entry to One Year M.A in Defence and Strategic Studies with Coursework and Research | | | | | | | | | | |
| 6.5 | Sem-III | NSS-101-CW-61010- National Security of India (Coursework 1) | 500 | 4 | 20 | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-CW-61020- Fundamentals of National Security (Coursework 2) | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-CW-61030- Nuclear Strategy and Arms Control (Coursework 3) | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-CW-61040- Strategic Environment of India's Northeast (Coursework 4) | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-CW-61050- International Strategic Environment (Coursework 5) | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | Sem-IV | NSS-101-RP-6210-Research Project | 500 | 4 | 20 | 60 | 240 | 300 | 0:0:20 | 600 |
| Total Credit (Aggregate) | | | | | 80 | | | | | |
| Post-Graduate Degree in Defence and Strategic Studies with Coursework & Research on completion of courses equal to a minimum of 80 credits | | | | | | | | | | |

SEMESTER – I

SEMESTER I**NSS-101-CC-5110: 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 defence and security.

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

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

Course Outcomes

CO1: Comprehend the relationship between defence and international relations theories.

CO2: Understand the critical understanding of personality through the factorial Western approaches

CO3: Analyse 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 Content

| 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 | Military Power and Strategy 2.1 Balance of Power 2.2 Means, kinds and way 2.3 The Role of Military Alliances in Contemporary Security. | 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 |

SYLLABUS OF PGP-NSS-24-25

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 | 1 | 2 | 2 | 1 | - | - |
| CO2 | 3 | - | - | - | 3 | 3 | - | 2 | 1 | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | 3 | - | 3 | 3 | 3 | 3 | 1 | - | 3 | 2 | 3 | 3 |
| CO4 | - | 3 | - | 3 | - | - | - | 3 | 1 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.5 | 0.75 | 0.75 | 2.25 | 2.25 | 0.75 | 2.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2 |

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 Guehenno.
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. *"Ghost Fleet: A Novel of the Next World War"* by P.W. Singer and August Cole.

SEMESTER I**NSS-101-CC-5120: 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 analyse the geopolitical significance of key geographical features, including landforms, waterways, and natural resources.

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

Course Outcomes

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

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

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

CO4: Comprehend the 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, Haushofer 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 | 3 |
| 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 | 15 | 4 |

SYLLABUS OF PGP-NSS-24-25

| | | | |
|--|---|--|--|
| | 4.3 Origin locations of countries and their advantages and disadvantages. | | |
|--|---|--|--|

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|------------|----------|----------|------------|-------------|------------|------------|
| CO1 | 3 | 3 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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 I**NSS-101-CC-5130: 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 understand the legal frameworks governing the use of force, humanitarian intervention, and collective security.

Course Outcomes

CO1: Understand the key principles and concepts of international law related to international security.

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

CO3: Grasp the legality of state actions, such as self-defence, pre-emptive 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 (ICJ). | 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 |

SYLLABUS OF PGP-NSS-24-25

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|
| CO1 | 3 | 3 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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. *"An Introduction of International Law"* by Tandon, M.P, and Rajesh Tandon, (1987), Allahabad Law Agency, Allahabad.
14. *"International Law"* by Kapoor, S.K., (1987), Central Law Agency, Allahabad.
15. *"An Approach to International Law"* by Chavan, R.S., (1971), Sterling Publisher, New Delhi.
16. *"An Introduction to International"* by Law,Starke, J., (1972), Buttersworth, London.
17. *"International Law"* by Oppenheim, L (2008), 9th Edition, University of Cambridge.

SEMESTER I**NSS-101-CC-5140: ISSUES OF GLOBAL CONFLICT AND THEIR RESOLUTION STRATEGIES**

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

Learning Objectives

LO1: To understand the conceptual aspect of conflict resolution and peacebuilding.

LO2: To understand the various processes involved in resolving conflicts.

LO3: To understand peace building in local, regional, international and also confidence building measures.

LO4: To know the role of international organisations in conflict resolution.

Course Outcomes

CO1: Comprehend the concept and importance of conflict resolution and peace building while learning about the nature of conflict.

CO2: Understand and learn about the multiple methods including pacific and coercive methods to resolve conflict mentioned in International Law.

CO3: Understand peacebuilding viewpoints also includes dispute resolution approaches and distinguishing conflict management, prevention, transformation, and resolution.

CO4: Understand the international organisations role in maintaining peace and security.

Course Content

| Unit No. | Content | Contact Hours | CO |
|----------|---|---------------|-----|
| 1 | Conceptual Aspects 1.1 Conflict Resolution and Peace Building: Concept and Significance. 1.2 Nature of Conflict: Inter – state and Intra – state. 1.3 Source of Conflict. 1.4 Forms of Conflict. | 15 | 1,2 |
| 2 | Conflict Resolution 2.1 Pacific Methods. 2.2 Coercive Methods. | 15 | 2 |
| 3 | Peace Building 3.1 Peace Building: Local, Regional and International perspective. 3.2. Conflict Prevention. 3.3 Conflict Management. 3.4 Conflict Transformation. 3.5 Confidence Building Measure: Concept and Techniques | 15 | 3 |
| 4 | International Organisations Role 4.1 United Nation objectives, role and achievement in maintaining peace and security. 4.2 Role of IGOs, NGOs. | 15 | 4 |

SYLLABUS OF PGP-NSS-24-25

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|
| CO1 | 3 | 3 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. Barash, David, P. (2000). *Approaches to Peace: A Reader in Peace Studies*, Third Edition, Washington.
2. Garnett Johan. (1970). *Theories of Peace and Security, A Structural Theory of Aggression*, London.
3. Galtung, Johan. (1996). *Peace by Peaceful Means*, Development of Civilization, London.
4. Galtung, Johan, (1984), *The Struggle for Peace*, Distributor, Navajivam Publisher, Columbia University.
5. Murty, K. Satchidananda. (1986). *Quest for Peace*, Ajanta Publication, Andhra University.
6. Murty, K. S. and Boughet A. C. (1960). *Studies in the Problems of Peace*, Asia Publishing House, New York.
7. Peter Wallen Steen, ed. (2011). *Peace Research: Achievements and Challenges*, Routledge, London.
8. Rennie, Linda and Preagar, Forcey, (eds.). (1986). *Peace: Meanings, Politics and Strategies*.
9. Ursula, Oswald, (ed.). (2000). *Peace Studies from a Global Perspective*, Maadhyam Book, Delhi.

SEMESTER I**NSS-101-RC-5110: RESEARCH METHODOLOGY/ MOOC's**

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

Learning Objectives

LO1: To make students aware of the basic features of various types of research in social science.

LO2: To familiarize students with source of research problems, types of variables in security areas.

LO3: To understand different kinds of measures and techniques for assessing various defence problems.

Course Outcomes

CO1: Understand the basic features of various types of research in social science.

CO2: Familiarize students with source of research problems, types of variables in security areas.

CO3: Understand different kinds of measures and techniques for assessing various defence problems.

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 & testing procedures. 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 |

SYLLABUS OF PGP-NSS-24-25

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|
| CO1 | 3 | 3 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. *“Introduction to the Responsible Conduct of Research”* by Nicholas H. Steneck, Office of Research Integrity. 2007. Available at: <https://ori.hhs.gov/sites/default/files/rcrintro.pdf>
2. *“The Student's Guide to Research Ethics”* by Paul Oliver Open University Press, 2003
3. *“Responsible Conduct of Research”* Adil E. Shamoo; David B. Resnik Oxford University Press, 2003.
4. *“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.
5. *“Thesis and assignment writing”* by Anderson B.H., Dursaton, and Poole M Wiley Eastern 1997.
6. *“How to write and illustrate scientific papers?”* by Bijorn Gustavii, Cambridge University Press.
7. *“Research Methods – A Process of Inquiry”* by Graziano, A., M., and Raulin, M., L. Sixth Edition Pearson.
8. *“Social research methods: Qualitative and quantitative approaches”* by Newman W, L. (2008). New Delhi: Pearson Education.

SEMESTER – II

SEMESTER II**NSS-101-CC-5210: 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 enable students, know about the concepts of selected strategic thinkers.

LO3: To enable students, know about the nuclear deterrence and its theories.

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, manoeuvre, 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 Contents

| Unit No. | Content | Contact Hours | CO |
|----------|---|---------------|----|
| 1 | Strategic Thinking 1.1 Kautilya'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 4.1 John Foster Dulles. 4.2 Theories of Nuclear War and Deterrence. | 15 | 4 |

SYLLABUS OF PGP-NSS-24-25

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|
| CO1 | 3 | 3 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. Cohen, S.B. (1964). *Geography and Politics in a Divided World*, Methuen & Co, New York.
2. Dass, S.T. (2014). *An Introduction to the art of war*, Fingerprint! Publishing, China.
3. Duffy, Christopher. (1997). *Siege Warfare*, Routledge, New York.
4. Earl, E.M. (1943). *Makers of Modern Strategy*, Princeton University Press,
5. Fuller, J.F.C. (1998). *Armament and History*, Da Capo Press, Germany.
6. Fuller, J.F.C. (2017). *The Conduct of war*, Routledge, Germany.
7. Ropp, Theodore. (2000). *War in the Modern World*, Johns Hopkins University.
8. Shepherd, E.W. (2008). *A Study of Military History*, Oxford University Press, UK.
9. Shama Shastri. (2012). *Kautilya's Arthshastra*, Low Price Publications, Kashmir.
10. Tzu, Sun. (2010). *The Art of War*, Jayco Publishing House, China.

SEMESTER II**NSS-101-DE-52010: MILITARY PSYCHOLOGY (ELECTIVE-1)**

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

Learning Objectives

LO1: To provide the students with a broad overview of applications of psychology in the military.

LO2: To understand and manage the psychological consequences of the continuum of conflict.

LO3: 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: Grasp the psychological aspects of war, psychological weapons of war such as propaganda, rumour and indoctrination.

CO4: Visualize the impact of invisible casualty of war on the Military Personnel and their family members.

Course Contents

| 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 | 2 |
| 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 | 3 |
| 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 |

SYLLABUS OF PGP-NSS-24-25

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|
| CO1 | 3 | 3 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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 II

NSS-101-DE-52020: MAP READING OF INDIA'S STRATEGIC LOCATION (ELECTIVE-2)

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

Learning Objectives

- LO1: To learn the about India Army, Indian Air Force and Indian Navy.
 LO2: To know the 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: Understand the strategic location nearby.
 CO2: Understand the several military bases of India.
 CO3: Learn certain professional skill writing on security issues.
 CO4: Update the current security issues.

Course Content

| Unit No. | Content | Contact Hours | CO |
|----------|---|---------------|----------|
| 1 | Mark the areas in the map provided and to write a brief note about the Spots in only own hand witting 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 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 |

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 rules of credit system.

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|------------|----------|----------|------------|-------------|------------|------------|
| CO1 | 3 | 3 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

SEMESTER II**NSS-101-DE-52030: ECONOMICS ASPECTS OF NATIONAL SECURITY (ELECTIVE-3)**

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

Learning Objectives

LO1: To make students 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: Learn the art of mobilizing resources for war, be it physical, fiscal or moral.

CO4: Grasp 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 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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 II**NSS-101-RC-5210: RESEARCH AND PUBLICATION ETHICS**

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 publication ethics and publication misconduct.

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

LO3: To identify research misconduct and predatory publications.

Course Outcomes

CO1: Develop students towards nature of publication ethics and moral standards.

CO2: Develop understanding about research integrity and publication guidelines.

CO3: Familiarity with standards setting initiatives and guidelines popular in the field.

CO4: Identifying research misconduct and predatory publications.

Course Content

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

SYLLABUS OF PGP-NSS-24-25

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|
| CO1 | 3 | 3 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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. Mc Intyre, 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 might opt for MOOC's equivalent courses.

SEMESTER – III
(COURSE WORK &
RESEARCH)

SEMESTER III**NSS-101-CW-61010: NATIONAL SECURITY OF INDIA (Coursework 1)**

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

Learning Objectives

LO1: To enable students to understand a brief introduction of India's security problem after independence.

LO2: To learn the India's security challenges and obstacles related to China and Pakistan.

LO3: To understand the India's defence policy and security doctrines.

LO4: To enable students understands the relationships with India's neighbourhood including the USA and Russia.

Course Outcomes

CO1: Acquire comprehensive knowledge and understanding of India's national security structure and its various dimensions.

CO2: Analyse the security challenges and threats related to China and Pakistan.

CO3: Understand the India's various defence policy and doctrine.

CO4: Understand the India's strategic neighbourhood relationship including USA and Russia.

Course Content

| Unit No. | Content | Contact Hours | CO |
|-----------------|---|----------------------|-----------|
| 1 | National Security Problem After Independence 1.1 India's Security problems as a result of partition. 1.2 Geo-political impact of partition. 1.3 Effects of partition over Indian Armed Forces and their reorganization. 1.4 Impact of India China war 1962 on Indian Armed Forces. | 15 | 1,2 |
| 2 | Security Problems Related to China and Pakistan 2.1 China. 2.2 Pakistan. | 15 | 2 |
| 3 | India's Defence Policy & Security Doctrines 3.1 India's Defence Policy. 3.2 Nuclear Policy of India. 3.3 Nuclear Doctrine of India. 3.4 Indian Maritime Doctrine. | 15 | 3 |
| 4 | India's Strategic Relations 4.1 India with its strategic neighbourhood. 4.2 India-USA. 4.3 India-Russia. | 15 | 4 |

SYLLABUS OF PGP-NSS-24-25

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|
| CO1 | 3 | 3 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. Bajpai, U.S. and Bajpai. Kanti. (1986). *India and its Neighbourhood*, Lancer International, New Delhi.
2. Chatterjee, R.K. (1978). *India's Land Borders- Problems and Challenges*, Sterling Publishers, New Delhi.
3. Chaudhury, Rahul Roy. (1995). *Sea Power and India's Security*, Brassey's London.
4. Dass, S.T. (1987). *National Security in Perspective*, Gian Publishers, Delhi.
5. Gordon, Sandy(eds). (1992). *India's Strategic Future*, Oxford University Press, Delhi.
6. *GOI MoD Annual Report*. Latest MEA Annual Report Latest.
7. Karnard, Bharat. (1994). *Future Imperiled*, Viking, New Delhi.
8. Khera, S.S. (1968). *India's Defence Problems*, Orient Longmans, New Delhi.
9. Kavic, Lorne J. (1967). *India's Quest for Security, Defence Policies 1947-1965*, LA, University of California Press.
10. Menon, V.P. (1961). *The Story of the Integration of Indian States*, Orient Longmans, New Delhi.
11. Misra, R.N. (1986). *Indian Ocean and India's Security*, Mittal Publications, Delhi.
12. Nayar, V.K. (1992). *Threats from Within*, Lancer Publications, New Delhi.
13. Pant, Harsh V. (Eds.). (2013). *India's National Security- A Reader*, Oxford.
14. Rao, Ramakrishna and Sharma, R.C(ed). (1991). *India's Borders*, Scholars' Publishing Forum, New Delhi.
15. Rao, P.V.R. (1970). *Defence Without Drift*, Popular Prakashan, Bombay.
16. Singh, Jaswant. (1999). *Defending India*, Macmillan India Ltd. Bangalore.
17. Singh, Nagendra. (1974). *The Defence Mechanism and the Modern State*, Asia Publishing House, New Delhi.
18. Venkateshwara. (1967). *Defence Organisation in India*, Ministry of Information and Broadcasting, Government of India, New Delhi.

SEMESTER III

NSS-101-CW-61020: FUNDAMENTALS OF NATIONAL SECURITY (Coursework 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 origin of state, nation-state and methods of national security.
 LO2: To understand the interplay between national security and defence policy as well as the many tiers of security (national, regional, global, environment and human).
 LO3: To make students understand alignment, non-alignment, models and paradigms of security, and so forth.
 LO4: To acquaint the students regarding the extent and limitations of the national power.

Course Outcomes

- CO1: Understand the interconnected complexity of national security through the explanation of essential ideas and their definitions.
 CO2: Comprehend the associated complexity of national security through conceptual and definitional explanations of important terms.
 CO3: Gaining acquaintance about the collective defence and collective security, models and paradigms of security, alignment and non-alignment, balance of power and balance of terror, and so on.
 CO4: Understand about the comprehensive national power and its limitations.

Course Content

| Unit No. | Content | Contact Hours | CO |
|-----------------|--|----------------------|-----------|
| 1 | Introduction 1.1 Theories of Origin of State. 1.2 Key Concepts of Nation and Nation-state. 1.3 Origin, Concept, Objectives and Approaches of National security. | 15 | 1,2 |
| 2 | Levels and Nomenclatures 2.1 National, Regional, Global. 2.2 Internal-External, Comprehensive, Social, Human, Cyber and Information Security. 2.3 National Defence and Security Policies: Formulations and Linkages. | 15 | 2 |
| 3 | Paradigms and Models of International Security 3.1 Paradigm of Security. 3.2 Balance of Power and Balance of Terror. 3.2 Collective Security and Collective Defence. 3.3 Alignment and Non-Alignment. | 15 | 3 |
| 4 | Comprehensive National Power (CNP) 4.1 Concepts and Elements of Power. 4.2 Power Profile of a Nation. 4.3 Method of Exercising National Power. 4.4 Limitation of National Power. | 15 | 4 |

SYLLABUS OF PGP-NSS-24-25

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|
| CO1 | 3 | 3 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

- 1 Mahendra Kumar, *Theoretical Aspects of International Politics*, Rajeev Offset press Agra-2,
- 2 PS Jayaramu, *India's National Security and Foreign Policy*. ABC Publishing House, N. Delhi, 1987
- 3 K.K. Nayyar et al. *National Security (Military Aspect)*. Rupa& Co.,
- 4 *Essential Component of National Security*, Gopalji Malviya, R.S. Graphies, Chennai,
- 5 VR Raghvan, *Economic Growth & National Security*, R.S. Graphic, Chennai
- 6 *Public Perceptions of Security in India*, Babliophiie South Asia, New Delhi
- 7 T.K. Oommen, *State and Society in India*, Sage Publications,
- 8 *Perspective on National Security in South Asia*, Manohar Publications, Delhi

SEMESTER III**NSS-101-CW-61030: NUCLEAR STRATEGY AND ARMS CONTROL (Coursework 3)**

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

Learning Objectives

- LO1: To gain an understanding of the development of the nuclear era since 1945.
 LO2: To get an understanding about various theories of nuclear warfare.
 LO3: To understand the challenges and opportunities associated with disarmament.
 LO4: To be familiar with the many different agreements and treaties pertaining to arms control.

Course Outcomes

- CO1: Acquaint the history of the origins of nuclear technology, the nuclear age, disarmament and arms control theories, methods, and the consequences of nuclear technology since 1945.
 CO2: Familiarity with the MAD, TMD, NMD, deterrence, massive retaliation and flexible response, countermeasures, preventive war, pre-emptive attack and nuclear warfare theories.
 CO3: Understand the problems and prospects of weapons of Mass Destruction (WMD).
 CO4: Comprehend about the several international conventions and treaties pertaining to Weapons of Mass Destruction (WMD).

Course Content

| Unit No. | Content | Contact Hours | CO |
|-----------------|--|----------------------|-----------|
| 1 | Introduction 1.1 Evolution of Nuclear Era Since 1945. 1.2 Basics of Nuclear Technology, Nuclear Energy and Effects of Nuclear Explosion. 1.3 Concepts of Disarmament and Arms Control. 1.4 Approaches of Disarmament and Arms Control. | 15 | 1, 2 |
| 2 | Theories of Nuclear Warfare 2.1 Preventive War and Pre-emptive Attack. 2.2 Massive Retaliation and Flexible Response. 2.3 Counter Measures; National Missile Defence (NMD) and Theatre Missile Defence (TMD). 2.4 Deterrence; Mutual Assured Destruction (MAD). | 15 | 2 |
| 3 | Problems and Prospects of Disarmament 3.1 Problems of Abolition of Weapons of Mass Destruction (Nuclear, Biological, Chemical weapon) 3.2 Prospects of Abolition of Weapons of Mass Destruction (Nuclear, Biological, Chemical weapon). | 15 | 3 |
| 4 | Treaties and Conventions 4.1 Nuclear-Weapon Treaties (PTBT, TTBT, PNET, CTBT, etc.) 4.2 Nuclear Arms Limitation Treaties (ABMT, SALT, INF, START, etc.) 4.3 Nuclear-weapon Proliferation Treaties (NPT, MTCR, NSG, etc.) | 15 | 4 |

SYLLABUS OF PGP-NSS-24-25

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|--|--|--|--|
| | 4.4 Conventions of Chemicals and Biological Weapons. | | |
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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 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. *“The Armament Race & the developing countries”* by Backakai, T.
2. *“The Arms Race”* by Baker, Philip Noel.
3. *“Living with Nuclear Weapons”* by Carmesal, Albert.
4. *“How to Think about Arms Control, Disarmament”* by Christopher, J. Lamb.
5. *“The Soviet-American Arms Race”* by Gray, Colin S.
6. *“The Concept of Arms Race”* by Headly Bull.
7. *“The Spread of Nuclear Weapons”* by Maddox, LB.
8. *“Understanding Nuclear War & Arms Control”* by Mayer.
9. *“Deterrence, Arms Control & disarmament”* by Singer, JD.
10. *“Armament, Arms Race and Disarmament”* by Thee, Mark.
11. *“The Arms Race”* by Tuner.

SEMESTER III**NSS-101-CW-61040: STRATEGIC ENVIRONMENT OF INDIA'S NORTHEAST (Coursework
4)**

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| 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 North East's India geopolitical and geostrategic and strategic environment.
- LO2: To understand the challenges due to insurgency, ethnic conflicts, migration and infrastructure.
- LO3: To understand the regional opportunities, such as the Act East policy, agreements reached through negotiations, hydropower, tourism, and cross-border trade.
- LO4: To learn about the Mc Mahon Line, cross-border community ties, administrative and political history of Arunachal Pradesh, and the region's geopolitical significance.

Learning Outcomes

- CO1: Understand the North East's geopolitical and geostrategic importance and its strategic environment in detail.
- CO2: Comprehend the security problems, such as insurgency, illegal migration, cross-border terrorism, and ethnic conflicts.
- CO3: Identify regional prospects including act east policy, negotiation deals, hydropower, tourism, and cross-border trade and cooperation.
- CO4: Familiarize with Arunachal Pradesh's administrative and political past, cross-border community ties, geopolitical importance and Mc Mahon Line.

Course Content

| Unit No. | Content | Contact Hours | CO |
|-----------------|---|----------------------|-----------|
| 1 | Location and Strategic Significance 1.1 Understanding the Concept of India's North East. 1.2 Geographic Location and Physiographic Divisions. 1.3 Strategic Resources- Oil, Coal and Uranium. | 15 | 1 |
| 2 | Issues and Challenges 2.1 Ethnic conflicts, Ethnic Violence and Ethnic Nationalism. 2.2 Insurgency and Cross Border Shelter Belts. 2.3 Strategic Infrastructure – Transport and Communication. 2.4 Migration and Refugees. | 15 | 2 |
| 3 | Regional Prospects 3.1 Act East Policy. 3.2 Negotiations and Peace Accords. 3.3 Strengthening Economy- Hydropower, Tourism, etc. 3.4 North East India and Neighbours: Trade and Border Co-operations. | 15 | 3 |
| 4 | Arunachal Pradesh 4.1 Cross Border Community Connections. 4.2 Geopolitical Significance. 4.3 Administrative and Political history. 4.4 Mc Mahon Line and its Significance. | 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 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. Baruah, Sanjiv. (2005). *Durable Disorder-Understanding the Politics of Northeast India*, OUP, New Delhi.
2. Bhaumik, Subir. (2009). *Troubled Periphery: Crisis of India's North East*, Sage, New Delhi.
3. Chaube, S.K. (2012). *Hill Politics in Northeast India*, Orient Black Swan, New Delhi.
4. Das, Gurudas, Thomas, Joshua, Bath, Nani (eds). (2015). *Voices from the Border- Response to Chinese Claim Over Arunachal*, Pentagon New Delhi.
5. Luthra, P.N. (2007). *Constitutional and Administrative Growth of the Arunachal Pradesh*, Government of Arunachal Pradesh, Itanagar.
6. Saikia, Jaideep (ed). (2007). *Frontier in Flames*, Penguin, New Delhi.
7. Mahatma, Bijan. (1983). *Administrative Development of Arunachal Pradesh, 1875-1975*, Omsons: Delhi,
8. Pankaj Jha and Rahul Mishra (eds). (2017). *Integrating North East in India's Act East Policy*, Indian Council of World Affairs, New Delhi.

SEMESTER III**NSS-101-CW-61050: INTERNATIONAL STRATEGIC ENVIRONMENT (Coursework 5)**

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

Learning Objectives

LO1: To enable students, know about the international system.

LO2: To have an understanding of the national interest as well as the function that diplomacy plays.

LO3: To provide students with knowledge of the origins of war, the Cold War and the consequences of cold war.

LO4: To enable students, understand with various form of warfare.

Course Outcomes

CO1: Understand the framework of international relations, its concept and nature, the international system's polarity (unipolar, bipolar, and multipolar).

CO2: Comprehend national interest and diplomacy definition, categories, techniques, role of national interest in foreign policy and diplomacy in international conflict resolution.

CO3: Understand the concept, theories, principles of war, cold war meaning and its implication.

CO4: Understand about the various forms of warfare.

Course Content

| Unit No. | Content | Contact Hours | CO |
|-----------------|--|----------------------|-----------|
| 1 | International System 1.1. International Politics and International Relations – Scope and Significance. 1.2 Concept and Nature of International System. 1.3 The International Systems- Unipolarity, Bipolarity and Multipolarity. 1.4 Role of IGO and NGOs. | 15 | 1 |
| 2 | National Interest and Diplomacy 2.1 Definition, types and methods of securing National Interest. 2.2 Role of National Interest in the formulation of foreign policy. 2.3 Diplomacy and its role in settling international disputes. 2.4 Means of National Interest. | 15 | 2 |
| 3 | Conflicts and Cooperation 3.1 Concept of War. 3.2 Theories of the Causes of War. 3.3 Principles of War. 3.4 Cold War - Meaning, Origin, Phases and its Implications | 15 | 3 |
| 4 | Types of War 4.1 Guerilla warfare. 4.2 Limited warfare. 4.3 Asymmetric warfare. 4.4 Hybrid warfare. | 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 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. Columbus, Theodore. (1989). *Introduction to International Relations*, Wolfe Pearson, Colombo
2. Calvocoressi, Peter. (1987). *World Politics since 1945*, Longman, Oxford University.
3. Dyke, Vernon Van. (1966), *International Politics*, Appleton-Century-Crofts, New York.
4. Hartmann F.H. (1978), *The Relations of Nations*, Macmillan Publishing Co, New York.
5. Henry Kissinger. (2014). *World Order*, Penguin Books, US.
6. Howard, Michael (1984). *The Causes of War*, Harvard University Press, Howard.
7. Journals J Karabo. (1998). *Foreign Affairs, World Politics*, Mauler, Uk.
8. Kissinger, Henry. (1995). *Diplomacy*, Simon & Schuster.
9. Larche and Abdul a Said. (1994). *Concept of International Politics*, Pearson, New Delhi.
10. Mao-Tse-Tung (1937), *Guerilla Warfare*, Mao Zedong, China.
11. Morgenthau, Hans J. (2005). *Politics among Nations*, McGraw-Hill Education.
12. Palmer and Perkins. (2001). *International Relations*, CBS Publishers And Distributors, Calicut.
13. Robert E. Osgood. (1957). *Limited Warfare- The Challenges to American Strategy*, University of Chicago Press.
14. Rosenau, James N., (ed.). (1969), *International Politics & Foreign Policy*, Free Press, New York.
15. Said A.A. (2016). *Theory of International Relations*, Said Cox, Cambridge.
16. Sanders, Bruce L. (1956). *Contemporary International Policies*, A.C. Durbin, New Delhi.
17. William A. Darity, Jr. (2008). *International Encyclopedia of Social Science*, Macmillan Reference, USA.
18. Waltz. K. (2001). *Man, the State and War*, Columbia University Press, Colombia.
19. Wright, Quincy. (1980). *The Study of International Relations*, Irvington Pub., New York.
20. Wright, Quincy. (1983). *A Study of War*, University of Chicago Press.

SEMESTER – IV

(COURSE WORK & RESEARCH)

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|--|
| Credit: 20; Contact Hours: 600; Full Marks: 300 |
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Learning Objectives

LO1: To developing an understanding about process of research work and its compilation.

LO2: To inculcate research aptitude among students for quality research work.

Course Outcomes

CO1: Understand and comprehend the dynamic process of research plan and work.

CO2: Develop competencies and skill set necessary for being a researcher.

CO3: Ability to create new ideas for futuristic research work.

CO4: Inculcate an understanding of problems and type of methods to measure it.

Research Project

- The topic of the project work should be chosen within 15 days of commencement of the semester submitted to the concerned Supervisor. Allocation of the supervisor will also be carried out by Departmental Council of the Department of National Security Studies (DCDNSS). DCDNSS will comprise of HoD as Chairman and other faculty members as council members. The allotment of supervisor will be done by the. Preference will be given to supervisor's consent during the allotment process.
- Further, the candidate will be required to submit a brief write up of the plan proposal within stipulated time. The preliminary work for dissertation (e.g., planning the research, selecting tools, etc.) should be completed preferably by the first sessional examination of Semester-IV.
- Data collection and analyses should be completed preferably by the second sessional examination. The writing of the dissertation should be completed preferably by the third sessional examination. The final evaluation of the dissertation will be done at the end semester examination which includes a presentation of the dissertation and the performance in the viva- voce.
- The dissertation work may involve fieldwork, survey research, case study or any other type of research. Further, it may include one large study or several studies depending on the objectives of the research. The writing of dissertation must be in accordance with the Publication Manual of the American Psychological Association (APA)/ Modern Language Association (MLA)/Chicago Style and should be not less than 60 pages including references and appendices.

Scheme of Evaluation

- The evaluation of the project work will be done in total 300 marks (240 marks end semester examination + 60 marks of sessional exams). The sessional component will be evaluated by the concerned supervisor. The end term evaluation (in 240 marks) will be done by a board of examiners including HoD, one external member and one internal member, duly nominated by HoD and approved by CoE, RGU. The end term evaluation in 240 marks will include the literary and scientific presentation of the dissertation and the performance in the viva- voce.

SYLLABUS OF PGP-NSS-24-25

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|------------|----------|----------|------------|-------------|------------|------------|
| CO1 | 3 | 3 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

SYLLABUS OF PGP-NSS-24-25

Course Structure for PG Diploma in Defence and Strategic Studies

(Programme Code: NSS-1101) /

Two Years M.A. in Diploma in Defence and Strategic Studies with Coursework

(Programme Code: NSS-4101)

| NCrf Credit Level | Sem | Core Papers (Core Course/Elective) | Course Level | Credit | Total Credits | Max. Marks | | | Credit Distribution | Contact Hours |
|--|---------|---|--------------|--------|---------------|------------|---------|-------|---------------------|---------------|
| | | Course Name | | | | Internal | End Sem | Total | L: T: P | |
| 6 | Sem-I | NSS-101-CC-5110- International Relations: Defence Aspects | 400 | 4 | 20 | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-CC-5120- Geopolitics and Military Geography | 400 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-CC-5130- Legal Aspects of International Security | 400 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-CC-5140- Issues of Global Conflict and Their Resolution Strategies | 400 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-RC-5110- Research Methodology /MOOC's Equivalent | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | Sem-II | NSS-101-CC-5210- Strategic Thoughts | 400 | 4 | 20 | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-DE-52010- Military Psychology (Elective 1) | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-DE-52020- Map Reading of India's Strategic Location (Elective 2) | 500 | 4 | | 20 | 80 | 100 | 0:0:4 | 120 |
| | | NSS-101-DE-52030- Economic Aspects of National Security (Elective 3) | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-RC-5210- Research and Publication Ethics /MOOC's Equivalent | 400 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| Total Credit (First Year) | | | | | 40 | | | | | |
| Exit option with Post-Graduate Diploma in Defence and Strategic Studies on completion of courses equal to a minimum of 40 credits or Entry to One Year M.A. in Defence and Strategic Studies with Coursework | | | | | | | | | | |
| 6.5 | Sem-III | NSS-101-CW-61010- National Security of India (Coursework 1) | 500 | 4 | 20 | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-CW-61020- Fundamentals of National Security (Coursework 2) | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-CW-61030- Nuclear Strategy and Arms Control (Coursework 3) | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-CW-61040- Strategic Environment of India's Northeast (Coursework 4) | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |
| | | NSS-101-CW-61050- International Strategic Environment (Coursework 5) | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 |

SYLLABUS OF PGP-NSS-24-25

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|--|--|-----|---|-----------|----|----|-----|-------|----|--|
| Se m- IV | NSS-101-CW-62010- India's Maritime Security (Coursework 6) | 500 | 4 | 20 | 20 | 80 | 100 | 3:1:0 | 60 | |
| | NSS-101-CW-62020-Area Studies-China (Coursework 7) | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 | |
| | NSS-101-CW-62030- India and South East Asia (Coursework 8) | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 | |
| | NSS-101-CW-62040- Indo-Pacific and Indian Ocean (Coursework 9) | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 | |
| | NSS-101-CW-62050- Science, Technology and National Security (Coursework 10) | 500 | 4 | | 20 | 80 | 100 | 3:1:0 | 60 | |
| Total Credit (Aggregate) | | | | 80 | | | | | | |
| Post-Graduate Degree in Defence and Strategic Studies with Coursework on completion of courses equal to a minimum of 80 credits | | | | | | | | | | |

SEMESTER – I

(COURSE WORK)

SEMESTER I**NSS-101-CC-5110: 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 defence and security.

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

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

Course Outcomes

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

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

CO3: Analyse 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 Content

| 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 1.3 Balance of Power | 15 | 1 |
| 2 | Military Power and Strategy 2.1 Balance of Power 2.2 Means, kinds and way 2.3 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 |

SYLLABUS OF PGP-NSS-24-25

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 | 1 | 2 | 2 | 1 | - | - |
| CO2 | 3 | - | - | - | 3 | 3 | - | 2 | 1 | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | 3 | - | 3 | 3 | 3 | 3 | 1 | - | 3 | 2 | 3 | 3 |
| CO4 | - | 3 | - | 3 | - | - | - | 3 | 1 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.5 | 0.75 | 0.75 | 2.25 | 2.25 | 0.75 | 2.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2 |

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 Guehenno.
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. *"Ghost Fleet: A Novel of the Next World War"* by P.W. Singer and August Cole.

SEMESTER I**NSS-101-CC-5120: 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 analyse the geopolitical significance of key geographical features, including landforms, waterways, and natural resources.

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

Course Outcomes

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

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

CO3: Grasp 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 and 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 | 3 |
| 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 |

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|
| CO1 | 3 | 3 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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 I

NSS-101-CC-5130: 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 analyse the legal frameworks governing the use of force, humanitarian intervention, and collective security.

Course Outcomes

CO1: Understand the key principles and concepts of international law related to international security.

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

CO3: Understand the legality of state actions, such as self-defence, pre-emptive 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 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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. *"An Introduction of International Law"* by Tandon, M.P, and Rajesh Tandon, (1987), Allahabad Law Agency, Allahabad.
14. *"International Law"* by Kapoor, S.K., (1987), Central Law Agency, Allahabad.
15. *"An Approach to International Law"* by Chavan, R.S., (1971), Sterling Publisher, New Delhi.
16. *"An Introduction to International"* by Law,Starke, J., (1972), Buttersworth, London.
17. *"International Law"* by Oppenheim, L (2008), 9th Edition, University of Cambridge.

SEMESTER I**NSS-101-CC-5140: ISSUES OF GLOBAL CONFLICT AND THEIR RESOLUTION STRATEGIES**

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

Learning Objectives

LO1: To understand the conceptual aspect of conflict resolution and peacebuilding.

LO2: To understand the various processes involved in resolving conflicts.

LO3: To understand peace building in local, regional, international and also confidence building measures.

LO4: To know the role of international organisations in conflict resolution.

Course Outcomes

CO1: Comprehend the concept and importance of conflict resolution and peace building while learning about the nature of conflict.

CO2: Understand and learn about the multiple methods including pacific and coercive methods to resolve conflict mentioned in International Law.

CO3: Understand peacebuilding viewpoints also includes dispute resolution approaches and distinguishing conflict management, prevention, transformation, and resolution.

CO4: Understand the international organisations role in maintaining peace and security.

Course Content

| Unit No. | Content | Contact Hours | CO |
|----------|---|---------------|-----|
| 1 | Conceptual Aspects 1.1 Conflict Resolution and Peace Building: Concept and Significance. 1.2 Nature of Conflict: Inter – state and Intra – state. 1.3 Source of Conflict. 1.4 Forms of Conflict. | 15 | 1,2 |
| 2 | Conflict Resolution 2.1 Pacific Methods. 2.2 Coercive Methods. | 15 | 2 |
| 3 | Peace Building 3.1 Peace Building: Local, Regional and International perspective. 3.2. Conflict Prevention. 3.3 Conflict Management. 3.4 Conflict Transformation. 3.5 Confidence Building Measure: Concept and Techniques | 15 | 3 |
| 4 | International Organisations Role 4.1 United Nation objectives, role and achievement in maintaining peace and security. 4.2 Role of IGOs, NGOs. | 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 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. Barash, David, P. (2000). *Approaches to Peace: A Reader in Peace Studies*, Third Edition, Washington.
2. Garnett Johan. (1970). *Theories of Peace and Security, A Structural Theory of Aggression*, London.
3. Galtung, Johan. (1996). *Peace by Peaceful Means*, Development of Civilization, London.
4. Galtung, Johan, (1984), *The Struggle for Peace*, Distributor, Navajivam Publisher, Columbia University.
5. Murty, K. Satchidananda. (1986). *Quest for Peace*, Ajanta Publication, Andhra University.
6. Murty, K. S. and Boughet A. C. (1960). *Studies in the Problems of Peace*, Asia Publishing House, New York.
7. Peter Wallen Steen, ed. (2011). *Peace Research: Achievements and Challenges*, Routledge, London.
8. Rennie, Linda and Preagar, Forcey, (eds.). (1986). *Peace: Meanings, Politics and Strategies*.
9. Ursula, Oswald, (ed.). (2000). *Peace Studies from a Global Perspective*, Maadhyam Book, Delhi.

SEMESTER I**NSS-101-RC-5110: RESEARCH METHODOLOGY/ MOOC's**

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

Learning Objectives

LO1: To make students aware of the basic features of various types of research in social science.

LO2: To familiarize students with source of research problems, types of variables in security areas.

LO3: To understand different kinds of measures and techniques for assessing various defence problems.

Course Outcomes

CO1: Understand the basic features of various types of research in social science.

CO2: Familiarize students with source of research problems, types of variables in security areas.

CO3: Understand different kinds of measures and techniques for assessing various defence problems.

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 & testing procedures. 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 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. *“Introduction to the Responsible Conduct of Research”* by Nicholas H. Steneck, Office of Research Integrity. 2007. Available at: <https://ori.hhs.gov/sites/default/files/rcrintro.pdf>
2. *“The Student's Guide to Research Ethics”* by Paul Oliver Open University Press, 2003
3. *“Responsible Conduct of Research”* Adil E. Shamoo; David B. Resnik Oxford University Press, 2003.
4. *“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.
5. *“Thesis and assignment writing”* by Anderson B.H., Dursaton, and Poole M Wiley Eastern 1997.
6. *“How to write and illustrate scientific papers?”* by Bijorn Gustavii, Cambridge University Press.
7. *“Research Methods – A Process of Inquiry”* by Graziano, A., M., and Raulin, M., L. Sixth Edition Pearson.
8. *“Social research methods: Qualitative and quantitative approaches”* by Newman W, L. (2008). New Delhi: Pearson Education.

SEMESTER – II

(COURSE WORK)

SEMESTER II**NSS-101-CC-5210: 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 understand about the concepts of selected strategic thinkers.

LO3: To enable students, know about the nuclear deterrence and its theories.

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, manoeuvre, logistics, and intelligence.

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

CO4: Understand 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 1.1 Kautilya'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 4.1 John Foster Dulles. 4.2 Theories of Nuclear War and Deterrence. | 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 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. Cohen, S.B. (1964). *Geography and Politics in a Divided World*, Methuen & Co, New York.
2. Dass, S.T. (2014). *An Introduction to the art of war*, Fingerprint! Publishing, China.
3. Duffy, Christopher. (1997). *Siege Warfare*, Routledge, New York.
4. Earl, E.M. (1943). *Makers of Modern Strategy*, Princeton University Press,
5. Fuller, J.F.C. (1998). *Armament and History*, Da Capo Press, Germany.
6. Fuller, J.F.C. (2017). *The Conduct of war*, Routledge, Germany.
7. Ropp, Theodore. (2000). *War in the Modern World*, Johns Hopkins University.
8. Shepherd, E.W. (2008). *A Study of Military History*, Oxford University Press, UK.
9. Shama Shastri. (2012). *Kautilya's Arthshastra*, Low Price Publications, Kashmir.
10. Tzu, Sun. (2010). *The Art of War*, Jayco Publishing House, China.

SEMESTER II**NSS-101-DE-52010: MILITARY PSYCHOLOGY (ELECTIVE-1)**

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

Learning Objectives

LO1: To provide the students with a broad overview of applications of psychology in the military.

LO2: To understand and manage the psychological consequences of the continuum of conflict.

LO3: To provide the students to understand military leadership and discipline.

Course Outcomes

CO1: Understand 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: Grasp the psychological aspects of war, psychological weapons of war such as propaganda, rumour and indoctrination.

CO4: Visualize the impact of invisible casualty of war on the Military Personnel and their family members.

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 | 2 |
| 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 | 3 |
| 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 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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 II**NSS-101-DE-52020: MAP READING OF INDIA'S STRATEGIC LOCATION (ELECTIVE-2)**

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

Learning Objectives

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

LO2: To know the 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: Understand the strategic location nearby.

CO2: Understand the several military bases of India.

CO3: Learn certain professional skill writing on security issues.

CO4: Update the current security issues.

Course Content

| Unit No. | Content | Contact Hours | CO |
|----------|---|---------------|----------|
| 1 | Mark the areas in the map provided and to write a brief note about the Spots in only own hand witting 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 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 |

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 rules of credit system.

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|
| CO1 | 3 | 3 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

SEMESTER II**NSS-101-DE-52030: ECONOMICS ASPECTS OF NATIONAL SECURITY (ELECTIVE-3)**

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

Learning Objectives

LO1: To make students 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: Learn 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 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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 II**NSS-101-RC-5210: RESEARCH AND PUBLICATION ETHICS**

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 publication ethics and publication misconduct.

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

LO3: To identify research misconduct and predatory publications.

Course Outcomes

CO1: Understand students towards nature of publication ethics and moral standards.

CO2: Develop understanding about research integrity and publication guidelines.

CO3: Familiarity with standards setting initiatives and guidelines popular in the field.

CO4: Identifying research misconduct and predatory publications.

Course Content

| Unit No. | Content | Contact Hours | CO |
|----------|---|---------------|------|
| 1 | <p>Ethics and Publication</p> <p>1.1 Introduction to Philosophy: Definition, Nature and Scope, Concept, Branches.</p> <p>1.2 Ethics: Definition, Moral Philosophy, Nature of Moral Judgements and Reactions.</p> | 15 | 1, 2 |
| 2 | <p>Scientific Conduct</p> <p>2.1 Ethics with Respect to Research.</p> <p>2.2 Intellectual Honesty and Research Integrity.</p> <p>2.3 Scientific Misconducts: Falsification, Fabrication, and Plagiarism (FFP).</p> | 15 | 3 |
| 3 | <p>Publication Ethics</p> <p>3.1 Publication Ethics: Definition, Introduction and Importance.</p> <p>3.2 Best Practices / Standards Setting Initiatives and Guidelines: COPE, WAME, etc.</p> <p>3.3 Conflicts of Interest.</p> | 15 | 3 |
| 4 | <p>Publication Misconduct</p> <p>4.1 Definition, Concept, Problems that Lead to Unethical Behaviour and Vice-Versa, Types.</p> <p>4.2 Violation of Publication Ethics, Authorship and Contributor ship.</p> <p>4.3 Identification of Publication Misconduct, Complaints and Appeals.</p> <p>4.4 Predatory Publishers and Journals.</p> | 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 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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. Mc Intyre, 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 might also opt for MOOC's equivalent courses.

SEMESTER – III

(COURSE WORK)

SEMESTER III**NSS-101-CW-61010: NATIONAL SECURITY OF INDIA (Coursework 1)**

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

Learning Objectives

LO1: To enable students to understand a brief introduction of India's security problem after independence.

LO2: To learn the India's security challenges and obstacles related to China and Pakistan.

LO3: To understand the India's internal security related problems like insurgency, ethnic conflicts.

LO4: To enable students understands the problems with India's maritime security, land border management, narcotics, money laundering, and arms smuggling threats.

Course Outcomes

CO1: Acquire comprehensive knowledge and understanding of India's national security structure and its various dimensions.

CO2: Analyse the security challenges and threats related to China and Pakistan.

CO3: Understand the India's internal security problems.

CO4: Understand India's challenges in internal security, maritime security, land border management, narcotics, and other areas such as money laundering and arms smuggling.

Course Content

| Unit No. | Content | Contact Hours | CO |
|-----------------|--|----------------------|-----------|
| 1 | National Security Problem After Independence 1.1 India's Security problems as a result of partition. 1.2 Geo-political impact of partition. 1.3 Effects of partition over Indian Armed Forces and their reorganization. | 15 | 1 |
| 2 | Security Problems Related to China and Pakistan 2.1 China. 2.2 Pakistan. | 15 | 2 |
| 3 | Internal Security Problems in India 3.1 Insurgency and Ethnic Conflicts in North-East India. 3.2 Militancy and Proxy War in Jammu and Kashmir. 3.3 Left wing Extremism in India. 3.4 Khalistan Movement. | 15 | 3 |
| 4 | Other Challenges of India's Internal Security 4.1 Maritime Security in India's Internal Security Matrix. 4.2 India's Land Border Management. 4.3 Narcotics/Demographic and other Challenges (Money Laundering, Arms smuggling, Human trafficking,) | 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 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. Bajpai, U.S. and Bajpai. Kanti. (1986). *India and its Neighbourhood*, Lancer International, New Delhi.
2. Chatterjee, R.K. (1978). *India's Land Borders- Problems and Challenges*, Sterling Publishers, New Delhi.
3. Chaudhury, Rahul Roy. (1995). *Sea Power and India's Security*, Brassey's London.
4. Dass, S.T. (1987). *National Security in Perspective*, Gian Publishers, Delhi.
5. Gordon, Sandy(eds). (1992). *India's Strategic Future*, Oxford University Press, Delhi.
6. *GOI MoD Annual Report*. Latest MEA Annual Report Latest.
7. Karnard, Bharat. (1994). *Future Imperiled*, Viking, New Delhi.
8. Khera, S.S. (1968). *India's Defence Problems*, Orient Longmans, New Delhi.
9. Kavic, Lorne J. (1967). *India's Quest for Security, Defence Policies 1947-1965*, LA, University of California Press.
10. Menon, V.P. (1961). *The Story of the Integration of Indian States*, Orient Longmans, New Delhi.
11. Misra, R.N. (1986). *Indian Ocean and India's Security*, Mittal Publications, Delhi.
12. Nayar, V.K. (1992). *Threats from Within*, Lancer Publications, New Delhi.
13. Pant, Harsh V. (Eds.). (2013). *India's National Security- A Reader*, Oxford.
14. Rao, Ramakrishna and Sharma, R.C(ed). (1991). *India's Borders*, Scholars' Publishing Forum, New Delhi.
15. Rao, P.V.R. (1970). *Defence Without Drift*, Popular Prakashan, Bombay.
16. Singh, Jaswant. (1999). *Defending India*, Macmillan India Ltd. Bangalore.
17. Singh, Nagendra. (1974). *The Defence Mechanism and the Modern State*, Asia Publishing House, New Delhi.
18. Venkateshwara. (1967). *Defence Organisation in India*, Ministry of Information and Broadcasting, Government of India, New Delhi.

SEMESTER III**NSS-101-CW-61020: FUNDAMENTALS OF NATIONAL SECURITY (Coursework 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 origin of state, nation-state and methods of national security.

LO2: To understand the interplay between national security and defence policy as well as the many tiers of security (national, regional, global, environment and human).

LO3: To make students understand alignment, non-alignment, models and paradigms of security, and so forth.

LO4: To acquaint the students regarding the extent and limitations of the national power.

Course Outcomes

CO1: Understand the interconnected complexity of national security through the explanation of essential ideas and their definitions.

CO2: Comprehend the associated complexity of national security through conceptual and definitional explanations of important terms.

CO3: Gaining acquaintance about the collective defence and collective security, models and paradigms of security, alignment and non-alignment, balance of power and balance of terror, and so on.

CO4: Understand about the comprehensive national power and its limitations.

Course Content

| Unit No. | Content | Contact Hours | CO |
|-----------------|--|----------------------|-----------|
| 1 | Introduction 1.1 Theories of Origin of State. 1.2 Key Concepts of Nation and Nation-state. 1.3 Origin, Concept, Objectives and Approaches of National security. | 15 | 1 |
| 2 | Levels and Nomenclatures 2.1 National, Regional, Global. 2.2 Internal-External, Comprehensive, Social, Human, Cyber and Information Security. 2.3 National Defence and Security Policies: Formulations and Linkages. | 15 | 2 |
| 3 | Paradigms and Models of International Security 3.1 Paradigm of Security. 3.2 Balance of Power and Balance of Terror. 3.3 Collective Security and Collective Defence. 3.3 Alignment and Non-Alignment. | 15 | 3 |
| 4 | Comprehensive National Power (CNP) 4.1 Concepts and Elements of Power. 4.2 Power Profile of a Nation. 4.3 Method of Exercising National Power. 4.4 Limitation of National Power. | 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 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. *“Theoretical Aspects of International Politics”* by Mahendra Kumar, Rajeev Offset press Agra-2,
2. *“India’s National Security and Foreign Policy”* by PS Jayaramu, ABC Publishing House, N. Delhi, 1987
3. *“National Security (Military Aspect)”* by K.K. Nayyar et al. Rupa& Co.,
4. *“Essential Component of National Security”* by GopalJi Malviya, R.S. Graphies, Chennai,
5. *“Economic Growth & National Security”* by VR Raghvan, R.S. Graphic, Chennai
6. *“Public Perceptions of Security in India”* by Babliophiie South Asia, New Delhi
7. *“State and Society in India”* by T.K. Oommen Sage Publications,
8. *“Perspective on National Security in South Asia”* by Manohar Publications, Delhi

SEMESTER III**NSS-101-CW-61030: NUCLEAR STRATEGY AND ARMS CONTROL (Coursework 3)**

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

Learning Objectives

- LO1: To gain an understanding of the development of the nuclear era since 1945.
 LO2: To get an understanding about various theories of nuclear warfare.
 LO3: To understand the challenges and opportunities associated with disarmament.
 LO4: To be familiar with the many different agreements and treaties pertaining to arms control.

Learning Outcomes

- CO1: Acquaint the history of the origins of nuclear technology, the nuclear age, disarmament and arms control theories, methods, and the consequences of nuclear technology since 1945.
 CO2: Familiarity with the MAD, TMD, NMD, deterrence, massive retaliation and flexible response, countermeasures, preventive war, pre-emptive attack and nuclear warfare theories.
 CO3: Understand the problems and prospects of weapons of Mass Destruction (WMD).
 CO4: Comprehend about the several international conventions and treaties pertaining to Weapons of Mass Destruction (WMD).

Course Content

| Unit No. | Content | Contact Hours | CO |
|-----------------|---|----------------------|-----------|
| 1 | Introduction 1.1 Evolution of Nuclear Era Since 1945. 1.2 Basics of Nuclear Technology, Nuclear Energy and Effects of Nuclear Explosion. 1.3 Concepts of Disarmament and Arms Control. 1.4 Approaches of Disarmament and Arms Control. | 15 | 1, 2 |
| 2 | Theories of Nuclear Warfare 2.1 Preventive War and Pre-emptive Attack. 2.2 Massive Retaliation and Flexible Response. 2.3 Counter Measures; National Missile Defence (NMD) and Theater Missile Defence (TMD). 2.4 Deterrence; Mutual Assured Destruction (MAD). | 15 | 3 |
| 3 | Problems and Prospects of Disarmament 3.1 Problems of Abolition of Weapons of Mass Destruction (Nuclear, Biological, Chemical weapon). 3.2 Prospects of Abolition of Weapons of Mass Destruction (Nuclear, Biological, Chemical weapon). | 15 | 3 |
| 4 | Treaties and Conventions 4.1 Nuclear-Weapon Treaties (PTBT, TTBT, PNET, CTBT, etc.) 4.2 Nuclear Arms Limitation Treaties (ABMT, SALT, INF, START, etc.). 4.3 Nuclear-weapon Proliferation Treaties (NPT, MTCR, NSG, etc.) 4.4 Conventions of Chemicals and Biological Weapons. | 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 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

12. *"The Armament Race & the developing countries"* by Backakai, T.
13. *"The Arms Race"* by Baker, Philip Noel.
14. *"Living with Nuclear Weapons"* by Carmesal, Albert.
15. *"How to Think about Arms Control, Disarmament"* by Christopher, J. Lamb.
16. *"The Soviet-American Arms Race"* by Gray, Colin S.
17. *"The Concept of Arms Race"* by Headly Bull.
18. *"The Spread of Nuclear Weapons"* by Maddox, LB.
19. *"Understanding Nuclear War & Arms Control"* by Mayer.
20. *"Deterrence, Arms Control & disarmament"* by Singer, JD.
21. *"Armament, Arms Race and Disarmament"* by Thee, Mark.
22. *"The Arms Race"* by Tuner.

SEMESTER III**NSS-101-CW-61040: STRATEGIC ENVIRONMENT OF INDIA'S NORTHEAST (Coursework
4)**

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|--|
| 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 North East's India geopolitical and geostrategic and strategic environment.
- LO2: To understand the challenges due to insurgency, ethnic conflicts, migration and infrastructure.
- LO3: To understand the regional opportunities, such as the Act East policy, agreements reached through negotiations, hydropower, tourism, and cross-border trade.
- LO4: To learn about the Mc Mahon Line, cross-border community ties, administrative and political history of Arunachal Pradesh, and the region's geopolitical significance.

Learning Outcomes

- CO1: Understand the North East's geopolitical and geostrategic importance and its strategic environment in detail.
- CO2: Comprehend the security problems, such as insurgency, illegal migration, cross-border terrorism, and ethnic conflicts.
- CO3: Identify regional prospects including act east policy, negotiation deals, hydropower, tourism, and cross-border trade and cooperation.
- CO4: Familiarize with Arunachal Pradesh's administrative and political past, cross-border community ties, geopolitical importance and Mc Mahon Line.

Course Content

| Unit No. | Content | Contact Hours | CO |
|-----------------|---|----------------------|-----------|
| 1 | Location and Strategic Significance 1.1 Understanding the Concept of India's North East. 1.2 Geographic Location and Physiographic Divisions. 1.3 Strategic Resources- Oil, Coal and Uranium. | 15 | 1 |
| 2 | Issues and Challenges 2.1 Ethnic conflicts, Ethnic Violence and Ethnic Nationalism. 2.2 Insurgency and Cross Border Shelter Belts. 2.3 Strategic Infrastructure – Transport and Communication. 2.4 Migration and Refugees. | 15 | 2 |
| 3 | Regional Prospects 3.1 Act East Policy. 3.2 Negotiations and Peace Accords. 3.3 Strengthening Economy- Hydropower, Tourism, etc. 3.4 North East India and Neighbours: Trade and Border Co-operations. | 15 | 3 |
| 4 | Arunachal Pradesh 4.1 Cross Border Community Connections. 4.2 Geopolitical Significance. 4.3 Administrative and Political history. 4.4 Mc Mahon Line and its Significance. | 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 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. Baruah, Sanjiv. (2005). *Durable Disorder-Understanding the Politics of Northeast India*, OUP, New Delhi.
2. Bhaumik, Subir. (2009). *Troubled Periphery: Crisis of India's North East*, Sage, New Delhi.
3. Chaube, S.K. (2012). *Hill Politics in Northeast India*, Orient Black Swan, New Delhi.
4. Das, Gurudas, Thomas, Joshua, Bath, Nani (eds). (2015). *Voices from the Border- Response to Chinese Claim Over Arunachal*, Pentagon New Delhi.
5. Luthra, P.N. (2007). *Constitutional and Administrative Growth of the Arunachal Pradesh*, Government of Arunachal Pradesh, Itanagar.
6. Saikia, Jaideep (ed). (2007). *Frontier in Flames*, Penguin, New Delhi.
7. Mahatma, Bijan. (1983). *Administrative Development of Arunachal Pradesh, 1875-1975*, Omsons: Delhi,
8. Pankaj Jha and Rahul Mishra (eds). (2017). *Integrating North East in India's Act East Policy*, Indian Council of World Affairs, New Delhi.

SEMESTER III**NSS-101-CW-61050: INTERNATIONAL STRATEGIC ENVIRONMENT (Coursework 5)**

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

Learning Objectives

LO1: To enable students, know about the international system.

LO2: To have an understanding of the national interest as well as the function that diplomacy plays.

LO3: To provide students with knowledge of the origins of war, the Cold War and the consequences of cold war.

LO4: To enable students, understand with various form of warfare.

Course Outcomes

CO1: Understand the framework of international relations, its concept and nature, the international system's polarity (unipolar, bipolar, and multipolar).

CO2: Comprehend national interest and diplomacy definition, categories, techniques, role of national interest in foreign policy and diplomacy in international conflict resolution.

CO3: Understand the concept, theories, principles of war, cold war meaning and its implication.

CO4: Understand about the various forms of warfare.

Course Content

| Unit No. | Content | Contact Hours | CO |
|-----------------|--|----------------------|-----------|
| 1 | International System 1.1. International Politics and International Relations – Scope and Significance S1.2 Concept and Nature of International System 1.3 The International Systems- Unipolarity, Bipolarity and Multipolarity 1.4 Role of IGO and NGOs | 15 | 1,2 |
| 2 | National Interest and Diplomacy 2.1 Definition, types and methods of securing National Interest. 2.2 Role of National Interest in the formulation of foreign policy. 2.3 Diplomacy and its role in settling international disputes. 2.4 Means of National Interest. | 15 | 2 |
| 3 | Conflicts and Cooperation 3.1 Concept of War. 3.2 Theories of the Causes of War. 3.3 Principles of War. 3.4 Cold War - Meaning, Origin, Phases and its Implications | 15 | 3 |
| 4 | Types of War 4.1 Guerilla warfare. 4.2 Limited warfare. 4.3 Asymmetric warfare. 4.4 Hybrid warfare. | 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 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. Columbus, Theodore. (1989). *Introduction to International Relations*, Wolfe Pearson, Colombo.
2. Calvocoressi, Peter. (1987). *World Politics since 1945*, Longman, Oxford University.
3. Dyke, Vernon Van. (1966), *International Politics*, Appleton-Century-Crofts, New York.
4. Hartmann F.H. (1978), *The Relations of Nations*, Macmillan Publishing Co, New York.
5. Henry Kissinger. (2014). *World Order* Penguin Books, US.
6. Howard, Michael (1984). *The Causes of War*, Harvard University Press, Howard.
7. Journals J Karabo. (1998). *Foreign Affairs, World Politics*, Mauler, Uk.
8. Kissinger, Henry. (1995). *Diplomacy* Simon & Schuster.
9. Larche and Abdul a Said. (1994). *Concept of International Politics*, Pearson, New Delhi.
10. Mao-Tse-Tung (1937), *Guerilla Warfare*, Mao Zedong, China.
11. Morgenthau, Hans J. (2005). *Politics among Nations*, McGraw-Hill Education.
12. Palmer and Perkins. (2001). *International Relations*, CBS Publishers And Distributors, Calicut.
13. Robert E. Osgood. (1957). *Limited Warfare- The Challenges to American Strategy*, University of Chicago Press.
14. Rosenau, James N., (ed.). (1969), *International Politics & Foreign Policy*, Free Pr, New York.
15. Said A.A. (2016). *Theory of International Relations*, Said Cox, Cambridge.
16. Sanders, Bruce L. (1956). *Contemporary International Policies*, A.C. Durbin, New Delhi.
17. William A. Darity, Jr. (2008). *International Encyclopedia of Social Science*, Macmillan Reference, USA.
18. Waltz. K. (2001). *Man, the State and War*, Columbia University Press, Colombia.
19. Wright, Quincy. (1980). *The Study of International Relations*, Irvington Pub., New York.
20. Wright, Quincy. (1983). *A Study of War*, University of Chicago Press.

SEMESTER – IV

(COURSE WORK)

SEMESTER IV**NSS-101-CW-62010: INDIA'S MARITIME SECURITY (Coursework 6)**

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 exposure on various threats emanating from the seas.

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 |
| 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 India's Response. 3.4 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 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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 Littoral, Indian and US Perspectives*, National Maritime Foundation, New Delhi.
4. K. M Panikkar, (1951), *India and the Indian Ocean*, Allen & Unwin, London.
5. Martin, L.W. (1967), *Sea in modern strategy*, Chatto & Windus.
6. Mishra R.N, (1986), *Indian Ocean and India's Security*, Mittal Publications, New Delhi.
7. Naidu, GVC, (2000) *Indian Navy and Southeast Asia*, IDSA, New Delhi.
8. Ravi Vohra and P K Ghosh, (2008) *China and the Indian Ocean Region*, National Maritime Foundation, New Delhi.

SEMESTER IV**NSS-101-CW-62020: AREA STUDIES - CHINA (Coursework 7)**

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

Learning Objectives

LO1: To understand the military geography and history of China

LO2: To understand the relationship between party-army and higher defence organisation of China.

LO3: To familiarise with the foreign policy of China.

LO4: To understand the Chinese military modernisation, capabilities and its grand strategy.

Course Outcomes

CO1: Understand the military geography, ethnic groups of China, events leading to civil war also war between communist and nationalists.

CO2: Analyse the relationship between communist party and the armed forces, decline of political control and higher defence organisation of China.

CO3: Analyse the China's foreign policy and its Course Objectives and priorities in dealing with other major players in global politics.

CO4: Understand Chinese defence capabilities, modernisation its grand strategy and strategic culture including space programme and nuclear weapon development.

Course Content

| Unit No. | Content | Contact Hours | CO |
|----------|--|---------------|-----|
| 1 | Military Geography and History of China (1912-1949) 1.1 Military Geography of China: Location, Size and Strategic importance. 1.2 Population, Composition and Characteristics of major ethnic groups. 1.3 Detailed History of China until the establishment of Communist regime. | 15 | 1,2 |
| 2 | Party- Army Relationships and Higher Defence Organisation 2.1 Communist Party and its relationship with the armed forces. 2.2 Founding of PLA- its growth and development, nature and structure of political control at various levels. 2.3 Decline of political control; new approach to professionalism. 2.4 Higher Defence Organisation. | 15 | 2 |
| 3 | Foreign Policy 3.1 Sino-Japanese relations. 3.2 China's Relations with USA. 3.3 China's Relations with Russia. | 15 | 3 |
| 4 | Defence Potential of China 4.1 Chinese defence capability and its various constituents. 4.2 China's Defence Modernization. 4.3 China's Nuclear Weapons Development. | 15 | 4 |

| | | |
|------------------------------|--|--|
| 4.4 China's Space Programme. | | |
|------------------------------|--|--|

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|
| CO1 | 3 | 3 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. Adel, Daljit Sen (1984) *China and Her Neighbours*, Deep and Deep Publishers, Delhi.
2. Balance, Edger O. (1964) *The Red Army of China*, Feber and Feber, London.
3. Bianco, Lucien (1971) *Origins of the Chinese Revolution 1915 – 1949*, Stanford University Press, California.
4. Chatterji, B.R. (1969) *Modern China- A Short History*, Meenakshi Perakashan, Meerut.
5. Dalvi, J.P. (1969) *Himalayan Blunder*, Hind Pocket Books, Delhi.
6. Eberhard, Wolfram (1950) *A History of China*, Routledge and Kegan Paul, London.
7. Ghosh, S.K. and Gupte, R.S. (1974). *History of Modern China*, Sterling Publishers, New Delhi.
8. Griffith, Sammuell B. (1968) *The Chinese People's Liberation Army*, Army Publication, Delhi.
9. Handerson Witham (ed.) (1970) *Communist China 1949 to 1969*, New York University Press, New York.
10. Hoplerin Morton H. (1968) *China and the Bomb*, Frederick A. Praeger, New York.
11. Hinton, Harold C (1966) *Communist China in World Politics*, Houghton Mifflin Publishers, New York.
12. Jain, J.P. (1975) *After Mao, What?* Radiant Publishers, New Delhi.
13. Kurian, Nimmi, (2001) *Emerging China and India's Policy Options*, Lancers Publishers, New Delhi.
14. Leo Yuch-Yun Lui (1972) *China as a Nuclear Power in world politics*, Macmillan Press, London.
15. Maxwell, Neville (1970) *India's China War*, Jaico Publishing House, Bombay.
16. Segal, Gerald (1985) *Defending China*, Oxford University Press
17. Sreedhar (eds) (1975) *China's Nuclear and Political Strategy*, Young Asia publications, New York.

SEMESTER IV**NSS-101-CW-62030: INDIA AND SOUTH EAST ASIA (Coursework 8)**

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

Learning Objectives

LO1: To enable students to understand a brief introduction to South Asia and the geopolitical structure of the region.

LO2: To learn the South Asian security challenges and obstacles.

LO3: To understand the regional power and influence of the major's power in the region.

LO4: To enable students understands the challenges of the present and prospects for the future in South Asia.

Learning Outcomes

CO1: Understand South Asia's history and culture, geopolitics, and major political and security issues.

CO2: Analyse the security challenges and threats to the South Asia and also effects of nuclear weapons, military strategies, internal conflicts, and political instability in the region.

CO3: Understand the India's role, Pakistan's strategic interest and US, China, and Russia's foreign policy impacts on regional stability and security.

CO4: Understand South Asian security, identify regional security patterns, Strategic solutions boost regional collaboration and South Asian security scenarios.

Course Content

| Unit No. | Content | Contact Hours | CO |
|-----------------|--|----------------------|-----------|
| 1 | Introduction to South Asia and its Geopolitical Landscape 1.1 Overview of South Asia: Geography, Demographics, and History 1.2 Key Players in South Asia: India, Pakistan, Bangladesh, Sri Lanka, Nepal, Bhutan, and the Maldives 1.3 Regional Organizations: SAARC, BIMSTEC | 15 | 1,2 |
| 2 | Security Challenges in South Asia 2.1 Traditional Security Threats: Border Disputes, Military Rivalries, Water Disputes. 2.2 Non-Traditional Security Threats: Terrorism, Insurgency, Cybersecurity. 2.3 Nuclear Proliferation: India-Pakistan Nuclear Dynamics. 2.4 Internal Conflicts: Ethnic, Religious, Armed conflicts and Political Instability | 15 | 2 |
| 3 | Regional Powers and External Influences 3.1 India's Role in Regional Security. 3.2 Pakistan's Security Concerns and Strategic Interests. 3.3 Influence of External Powers: USA, China, Russia and Major powers 3.4 Economic Interdependence and Security: Trade, Investments, and Connectivity Projects | 15 | 3 |
| 4 | Contemporary Issues and Future Prospects | 15 | 4 |

| | | |
|---|--|--|
| <p>4.1 Contemporary Security Issues: Climate Change, Water Security, Health Security.</p> <p>4.2 Emerging Trends: Technological Advancements, Cybersecurity Threats,</p> <p>4.3 Strategic Initiatives for Regional Cooperation: Confidence-Building Measures, Peace Processes</p> <p>4.4 Future Scenarios: Predicting Security Dynamics in South Asia</p> | | |
|---|--|--|

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|------------|----------|----------|------------|-------------|------------|------------|
| CO1 | 3 | 3 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. *"India and South Asia: Exploring Regional Perceptions"* by Amitabh Mattoo, Publisher: KW Publishers.
2. *"The South Asian Association for Regional Cooperation (SAARC): An Emerging Collaboration Architecture"* by Rajiv Kumar and Omita Goyal, Publisher: Routledge.
3. *"Geopolitics and the Quest for Dominance"* by Srinii Sitaraman, Publisher: Sage Publication.
4. *"India's National Security: A Reader"* edited by Kanti Bajpai and Harsh V. Pant, Publisher: Oxford University Press.
5. *"The Security Dilemma in South Asia"* by P. R. Chari, Pervaiz Iqbal Cheema, and Stephen P. Cohen, Publisher: Routledge.
6. *"The Terror Challenge in South Asia and Prospect of Regional Cooperation"* edited by D. Suba Chandran and P. R. Chari, Publisher: Pentagon Press.
7. *"Climate Change and India: Vulnerability Assessment and Adaptation"* edited by P. R. Shukla, Subodh Sharma, and Amit Garg. Publisher: Universities Press
8. *"Water: Growing Understanding, Emerging Challenges"* by Mihir Shah and K. J. Joy, Publisher: Orient BlackSwan.
9. *"India 2030: The Rise of a Rajasic Nation"* by Gautam Chikermane and Rajeev Mantri, Publisher: Penguin India.
10. *"Cybersecurity in India"* by S. R. Subramanian, Publisher: Cambridge University Press.
11. *"India's Foreign Policy: Retrospect and Prospect"* by Sumit Ganguly, Publisher: Oxford University Press.
12. *"China-India Relations: Cooperation and Conflict"* edited by Rajiv Ranjan and Srikanth Kondapalli, Publisher: Routledge.
13. *"The Dragon and the Elephant: China-India Relations in the 21st Century"* edited by David Smith, Publisher: Centre for Policy Research

SEMESTER IV**NSS-101-CW-62040: INDO-PACIFIC AND INDIAN OCEAN (Coursework 9)**

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| 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 significance of the Indo-Pacific and Indian Ocean from a geopolitical and strategic standpoint.

LO2: To understand the challenges facing maritime security in the Indian Ocean region.

LO3: To make students understand interest of major powers in the region and security frameworks for international maritime safety and security.

LO4: To acquaint the students about India's maritime strategy and its prospects for the future in the Indo-Pacific and Indian Ocean.

Course Outcomes

CO1: Understanding of the strategic location and chokepoints in the Indo-Pacific and Indian Ocean, and the geopolitics of the region as a whole.

CO2: Identify major Indo-Pacific and Indian Ocean maritime security threats, including piracy, armed robbery, terrorism, trafficking, and regional environmental and natural resource security.

CO3: Gaining acquaintance with extra regional power interest in Indo-Pacific region, naval diplomacy, international conventions, and the effectiveness of maritime security exercises.

CO4: Understand the strategic importance of India's maritime strategy, security challenges, and advancements in the field of maritime security.

Course Content

| Unit No. | Content | Contact Hours | CO |
|-----------------|---|----------------------|-----------|
| 1 | Introduction 1.1 Strategic Location – Extent, Characteristics and Chokepoints. 1.2 Geo-political and Historical Significance 1.3 Key Maritime Hubs and Ports: Importance and Influence. | 15 | 1, 2 |
| 2 | Maritime Security Challenges in the Indo-Pacific and Indian Ocean 2.1 Piracy and Armed Robbery: Hotspots and Countermeasures. 2.2 Maritime Terrorism: Threats and Responses. 2.3 Trafficking and Smuggling: Human, Arms, and Narcotics. 2.4 Environmental Security: Marine Pollution, Overfishing, and Climate Change. | 15 | 2 |
| 3 | Militarization of Indo-Pacific and Security Framework 3.1 Interests of Extra Regional Powers: USA, Russia, China, U.K., France, Japan and Australia 3.2 International Conventions: UNCLOS, IMO, and Maritime Law. 3.3 Naval Diplomacy: Bilateral and Multilateral Naval Exercises. | 15 | 3 |
| 4 | India's Maritime Strategy and Future Prospects 4.1 India's Maritime Doctrine and Strategy. | 15 | 4 |

| | | |
|---|--|--|
| 4.2 India as an Emerging Sea Power. | | |
| 4.3 India as a net Security Provider in the Indian Ocean. | | |
| 4.4 Indo-Pacific and Indian Ocean as a Zone of Peace. | | |

Mapping of POs/PSOs with COs

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 | PSO4 |
|---------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|
| CO1 | 3 | 3 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. *"Environmental Security in the Indian Ocean"* by Shailesh Nayak, Publisher: Ministry of Earth Sciences, Government of India
2. *"Geopolitical Significance of the Indian Ocean Region"* by K. M. Panikkar, Publisher: Indian Council of World Affairs
3. *"India and UNCLOS: Maritime Legal Perspectives"* by S. Jayakumar, Publisher: Indian Society of International Law (ISIL)
4. *"Indian Navy: Challenges and Future Prospects"* by S. Radhakrishnan, Publisher: Institute for Defence Studies and Analyses (IDSA)
5. *"Maritime Infrastructure and Coastal Security in India"* by P. K. Ghosh, Publisher: Observer Research Foundation (ORF)
6. *"Maritime Power and Indian Security"* by Raja Menon, Publisher: National Maritime Foundation (NMF)
7. *"Maritime Terrorism: Threat and Response"* by Gurpreet S. Khurana, Publisher: National Maritime Foundation (NMF)
8. *"Piracy and Maritime Security in the Indian Ocean"* by C. Uday Bhaskar, Publisher: Observer Research Foundation (ORF)
9. *"Strategic Trends in the Indian Ocean Region"* by S. Kalyanaraman, Publisher: Institute for Defence Studies and Analyses (IDSA)
10. *"The Role of IORA in Maritime Security"* by Rahul Mishra, Publisher: Research and Information System for Developing Countries (RIS)
11. *"Naval Diplomacy and Regional Security Cooperation"* by Anil Chopra, Publisher: Centre for Air Power Studies (CAPS)"India's Maritime Doctrine and Strategy" by Arun Prakash, Publisher: National Maritime Foundation (NMF)

SEMESTER IV**NSS-101-CW-62050: SCIENCE, TECHNOLOGY AND NATIONAL SECURITY (Coursework 10)**

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| 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 facilitate the development of science, technology and its impact on national security

LO2: To enable students to develop the application of new emerging technologies.

LO3: To learn impact of new technologies on war.

LO4: To acquaint the student about the dual use of technology.

Learning Outcomes

CO1: Understand national security concept, introduction of emerging technologies (AI, IoT, CIT, T&V), and their impact on national security.

CO2: Develop insight into different technology applications, armament and weapon systems, missile technology, electronic and information warfare, CBRN warfare, aircraft and ships, satellite and space technology, submarine and aircraft carrier technology.

CO3: Understanding applications of new technologies in national security, effects of emerging technologies on war, modern warfare patterns and the role of technology, unmanned aerial vehicles, drones, and border surveillance

CO4: Comprehend the dual use technology nuclear energy, global power politics, trade and economy.

Course Content

| Unit No. | Content | Contact Hours | CO |
|-----------------|--|----------------------|-----------|
| 1 | Introduction to Science, Technology and National Security 1.1 Concept of National Security. 1.2. Introduction of emerging technologies 1.2.1. Artificial Intelligence 1.2.2. Internet of Things 1.2.3. Communications and Information Technology 1.2.4. Transportation and Vehicle Technology 1.2.5. Its Impact on National Security | 15 | 1, 2 |
| 2 | Application of Technologies 2.1. Armament and Weapon systems 2.2. Missile Technology 2.3. Electronic Warfare and Information Warfare 2.4. CBRN Warfare 2.5. Aircraft and Ships 2.6. Satellite and Space Technology 2.7. Submarine and Aircraft carrier | 15 | 2, 3 |
| 3 | Impact of Emerging Technologies on War 3.1. Application of new technologies in National Security 3.2. Trends in Modern Warfare and Role of Technology 3.2.1. Unmanned Vehicle 3.2.2. Drone | 15 | 3 |

| | | | |
|---|--|----|---|
| | 3.2.3. Border Surveillance | | |
| 4 | Dual Use of Technology 4.1. Nuclear Energy 4.2. Global Power Politics 4.3. Trade 4.4. Economy | 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 | - | - | 1 | 3 | - | 1 | - | 2 | 2 | 1 | - | 3 |
| CO2 | 3 | - | 3 | - | 3 | 3 | - | 1 | - | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | - | - | - | 3 | 3 | 2 | 2 | 2 | - | 3 | 2 | 3 | 2 |
| CO4 | - | 2 | - | 3 | - | - | 2 | 2 | 2 | - | 2 | 3 | 3 | 3 |
| Average | 2.25 | 1.25 | 0.75 | 0.75 | 1.75 | 2.25 | 1 | 1.5 | 1 | 1 | 2.5 | 2.25 | 1.5 | 2.5 |

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

Books Recommended

1. Allen, Greg, and Taniel Chan. *Artificial Intelligence and National Security*. Cambridge, MA: Belfer Center for Science and International Affairs, 2017.
2. Bull, Stephen. *Encyclopedia of military technology and innovation*. Greenwood Publishing Group, 2004.
3. Frey, Karsten. *India’s Nuclear Bomb and National Security*. Routledge, 2007.
4. Johnson, Thomas A., ed. *National Security Issues in Science, Law, and Technology*. CRC Press, 2007.
5. Kenneth Maksey *Technology in War* (London, 1961)
6. Lewis, Ted G. *Critical Infrastructure Protection in Homeland Security: Defending A Networked Nation*. John Wiley & Sons, 2019.
7. M.R. Bhagwan *Technological Advance in the Third World: Strategies and Prospects* (Bombay: Popular, 1990)
8. Mallik, Amitav. *Technology and Security in the 21st Century: A Demand-side Perspective*. Oxford University Press, 2004.
9. Morgan, Forrest E., Benjamin Boudreaux, Andrew J. Lohn, Mark Ashby, Christian Curriden, Kelly Klima, and Derek Grossman. *“Military applications of artificial intelligence.”* Santa Monica: RAND Corporation (2020).
10. Nanda, J. N. *Science and technology in India’s transformation*. Concept Publishing Company, 1986.
11. Sapolsky, Harvey M., Eugene Gholz, and Caitlin Talmadge. *US Defense Politics: The Origins of Security Policy*. Routledge, 2008.
12. Sovacool, Benjamin K., ed. *The Routledge Handbook of Energy Security*. Routledge, 2010.
13. Steff, R., Burton. J., Soare, S. R. *Emerging Technologies and International Security*. London: Routledge, 1st Edition, 2020.
