



PONDICHERRY UNIVERSITY

**NCC AS A GENERAL ELECTIVE &
SPECIFIC ELECTIVE CREDIT COURSES IN UNIVERSITIES
UNDER CHOICE BASED CREDIT SYSTEM
NEW EDUCATION POLICY 2020**

**Subject Structure and Syllabus
(From 2024-25 Academic Year Onwards)**

PONDICHERRY UNIVERSITY

Regulations for Implementing NCC as an Elective Subject (With effect from the Academic Year 2024-2025 onwards)

Objective of the Papers

These papers provide a basic understanding of National Cadet Corps and its activities involved during the 3 years training period. These papers try to make students and cadets to deliberate various aspects of common and specialized subjects of various wings of NCC.

Eligibility criteria for Registration

The registration into first and second semester papers are open to all students including NCC cadets. The registration of papers offered from 3rd, 4th, 5th and 6th semester are confined to the cadets enrolled under three wings of NCC (i.e. Army, Navy and Air Wing). Since practical and attending of camps are part of the papers, it is restricted to cadets.

Medium

The medium of instruction will be English.

Course Instructors

These courses need special training to the faculty members to teach. **Hence those institutions which has NCC wings are eligible to offer these papers and dedicated Associate NCC Officers/Care Takers are eligible to handle these papers.**

Practical Part as Internals

The weekly parades conducted at Institutions/Units shall be treated as internals and the same shall be assessed for 25 marks

Submission of Camp Certificate

Cadets registering for 3rd and 5th semester electives shall submit the camp certificate to get extra 5 credits. In case if they fail to submit the same, they will get only 2 credits after successfully completing the paper.

Examination Pattern and Passing Minimum

Examination and passing minimum and grading are as per the existing CBCS regulations of the Pondicherry University. i.e Internals with 25 Marks and End Semester with 75 Marks

NCC Electives (Common and Specific)

Semester I					
S.No	Course Code	Course Title	Lecture/ Tutorial/ Practical	Major/ Elective	Credits
1	UGNCCCOM-I	NCC Common Elective I	L	Elective	2
Semester II					
2	UGNCCCOM-II	NCC Common Elective II	L	Elective	2
Semester III (Only for Enrolled Cadets – All Wings)					
3	UGNCCGEN-I	NCC GENERAL ELECTIVE -I+ Camp	L+P	Elective	2+5
Semester IV(Only for Enrolled Cadets – All Wings)					
4	UGNCCGEN-II	NCC GENERAL ELECTIVE -II	L+P	Elective	3
Semester V(Optional to Respective Wings)					
5	UGNCCARMY-I	NCC ARMY ELECTIVE –I+ Camp	L+P	Elective	2+5
6	UGNCCNAVY-I	NCC NAVAL ELECTIVE –I+ Camp	L+P	Elective	2+5
7	UGNCCAIR-I	NCC AIR ELECTIVE –I+ Camp	L+P	Elective	2+5
Semester VI(Optional to Respective Wings)					
12	UGNCCARMY-II	NCC ARMY ELECTIVE –II	L+P	Elective	3
13	UGNCCNAVY-II	NCC NAVAL ELECTIVE –II	L+P	Elective	3
14	UGNCCAIR-II	NCC AIR ELECTIVE –II	L+P	Elective	3

SEMESTER 1

Code: UGNCCCOM-I Subject Name: NCC Common Elective I

Course Objectives:

- (a) Know about the history of NCC, its organization, and incentives of NCC for their career prospects.
- (b) Acquire knowledge of duties and conduct of ncc cadets.
- (c) Understand the concept of national integration and its importance.
- (d) Understand the concept of self-awareness and emotional intelligence.
- (e) Understand the concept of critical & creative thinking.
- (f) Understand the process of decision making & problem solving.
- (g) Understand the concept of team and its functioning.
- (h) Understand the concept and importance of Social service.

Expected Learning Outcomes.

- (i) Respect the diversity of different Indian culture.
- (j) Practice togetherness and empathy in all walks of their life.
- (k) Do their own self-analysis and will work out to overcome their weakness for better performance in all aspects of life.
- (l) Understand creative thinking & its components.
- (m) Think divergently and will try to break functional fixedness.
- (n) Make a team and will work together for achieving the common goals.
- (o) Do the social services on different occasions.

Course Content

Unit 1- NCC General (N) (Contact Hrs. 05).

Introduction of NCC, History, Aims, Objective of NCC & NCC as Organization, Incentives of NCC, Duties of NCC Cadet. NCC Camps: Types & Conduct.

Unit 2- National Integration & Awareness (NI) (Contact Hrs. 02)

National Integration: Importance & Necessity, Factors Affecting National Integration, Unity in Diversity & Role of NCC in Nation Building, Threats to National Security.

Unit 3- Civic Administration in Indian Union (Contact Hrs. 3)

Meaning scope and nature of Civic Administration - Enactment of Indian Constitution – Union Government – The Cabinet – Central Secretariat – All India Services – Training of Civil Servants

Unit 4 - Civic Administration in Indian Union II (Contact Hrs. 3)

UPSC – Niti Ayog – Statutory Bodies: The Central Vigilance Commission – CBI – National Human Rights Commission – National Women’s Commission - CAG

Unit 5- Social Service and Community Development (Contact Hrs. 03).

Basics of social service and its need, Types of social service activities, Objectives of rural development programs and its importance, NGO’s and their contribution in social welfare, contribution of youth and NCC in Social welfare.

SEMESTER II

Code: UGNCCCOM-II Subject Name: NCC Common Elective II

Course Objectives:

- (a) Understand the thinking & reasoning process.
- (b) Understand the process to cope with Stress & emotions.
- (c) Understand the importance of improving communication skills.
- (d) Identify the leadership traits.
- (e) Admire the qualities of great leaders.
- (f) Know about different legal provisions for children & women safety and protection.
- (g) Understand the various rules & measures to be taken to ensure Road/Rail safety.
- (h) Understand & spread awareness about latest Government initiatives for welfare of citizens and contribute towards Nation building.
- (i) Understand concepts of cyber and mobile security.

Expected Learning Outcomes:

- (a) Define thinking, reasoning, critical thinking and creative thinking.
- (b) To think critically about different life related issues.
- (c) Think divergently and will try to break functional fixedness.
- (d) Creatively in their real-life problems.
- (e) Understand the organizations related to disaster management and their functioning.
- (f) Appreciate the role of NCC cadets in disaster management.

Course Content

Unit 1. Civic Administration in Indian Union I (Contact Hrs.3)

Differential Administrative systems in Union Territories compared to States
Organization of Secretariat: - Position of Chief Secretary, Functions and Structure of Departments, Directorates

Unit 2. Civic Administration in Indian Union II (Contact Hrs.3)

Ministry of Human Affairs Supervision of Union Government of Union Territories Act 1963 – Changing trend in UT Administration in Puducherry and Andaman Nicobar Island

Unit 3. Leadership Development I (Contact Hrs.3)

Leadership capsule- Important Leadership traits, Indicators of leadership and evaluation. Motivation- Meaning & concept, Types of motivation. Factors affecting motivation -Ethics and Honor codes.

Unit 4. Social Service and Community Development I (Contact Hrs. 3)

Concept of Social Justice - Protection of Children – Protection of Women – Right to Information Act – Right to Education Act

Unit 5. Social Service and Community Development II (Contact Hrs. 3)

Road/Rail Safety – Drug Awareness - New Government Initiatives (Various Abhiyans) -Cyber and Mobile Security Awareness.

SEMESTER III

Code: UGNCCGEN-I Subject Name: NCC GENERAL ELECTIVE –I

(Only for Enrolled Cadets – All Wings)

Course Content Part (I) Theory

Course Objectives:

- (a) Understand the life history and leadership qualities of great leaders, sportspersons & entrepreneurs.
- (b) Understand the various aspects of types of mindset.
- (c) Understand public speaking methods & qualities.
- (d) Understand the organizations related to disaster management and their functioning.
- (e) Understand the role of NCC cadets in disaster management.
- (f) Understand the various types of adventure activities.
- (g) Understand the History, Geography & Topography of Border/ Coastal Areas.

Expected Learning Outcomes:

- (a) Admire and get inspired from the accomplishments of leaders from various walks of life.
- (b) Develop public speaking skills.
- (c) Understand the importance of positive mindset and optimistic attitude in life.
- (d) Appreciate the need & requirement for disaster management and his role in disaster management activities.
- (e) Know the history & geographical peculiarity of our borders & coastal regions.

Course Content

Unit 1. NCC General (Contact Hrs.1)

Duties of NCC Cadets - DG's Commandments.

Unit 2. National Integration and Awareness (Contract Hrs.2)

Unity in Diversity & Role of NCC in National Building, Threats to National Security

Unit 3. Personality Development (Contact Hrs.2)

Life Skills – Intra & Interpersonal skills - Group Discussions - Change your Mindset - Public Speaking.

Unit 4. Leadership Development (Contact Hrs.4).

Case Studies –APJ Abdul Kalam, Deepa Malik, Maharana Pratap, N Narayan Murthy.

Unit 5. Disaster Management (Contact Hrs. 3)

Disaster Management Capsule – Organisation - Types of Disasters - Essential Services – Assistance - Civil Defence Organisation.

Unit 6. Adventure (Contact Hrs. 1).

Adventure activities.

Unit 7. Border & Coastal Areas (Contact Hrs. 2).

History, Geography & Topography of Border/ Coastal Areas.

Course Content Part (II) Practical

Course Objectives:

- (a) Understand that drill as the foundation for discipline and to command a group for common goal
- (b) Appreciate grace and dignity in the performance of arm drill
- (c) Understand the concept and importance of social service.
- (d) Understand the importance of a weapon its detailed safety precautions necessary for prevention of accidents.
- (e) Actively participate in social service and community development activities.

Expected Learning Outcomes:

- (a) Perform arm drill gracefully.
- (b) Give and follow the different word of command.
- (c) Fire a weapon effectively with fair degree of marksmanship.
- (d) Different positioning for fire and aiming.
- (e) Use terrain effectively for concealment, camouflage, indicate landmarks and give field signals.
- (f) Observe surroundings in better way.
- (g) Develop the qualities of patience and confidence and become better individuals.
- (h) Will develop physical as well as mental fitness.

Course Content (Army Wing)

Unit 1. Drill (Contact Hrs. 20)

Foot Drill- Drill ki Aam Hidayaten, Word ki Command, Savdhan, Vishram, Aram Se, Murdna, Kadvar Sizing, Teen Line Banana, Khuli Line, Nikat Line, Khade Khade Salute Karna Parade Par, Visarjan, Line Tod, Tej Chal, Tham aur Dhire Chal, Tham.

Foot Drill Dahine, Baen, Aageaur Piche Kadam Lena - Tej Chal se Murdna, Tej Chal se Salute Karna, Tej Kadam Taal aur Tham, Tej Kadam Taal se Kadam Badalna - Teeno Teen se Ek File aur ek file se Teeno Teen Banana

Unit 2. Weapon Training (Contact Hrs. 15).

Introduction & Characteristics of .22 rifle, Handling of .22 rifle- Range procedure & Theory of group - Short Range firing.

Unit 3. Map Reading (Contact Hrs. 10).

Definition of Map, Conventional signs, Scale and Grid System, Topographical forms and technical terms, Relief, Contours and gradients, Cardinal points and types of North, Magnetic Variation and Grid Convergence - Protractor Bearing and its conversion

methods - Service protractor and its uses - Prismatic compass and its uses and GPS - Navigation by compass and GPS - Setting of Map - Findings North and Own Position.

Unit 4. Field Craft & Battle Craft (Contact Hrs. 10)

Introduction of Field Craft & Battle craft, Judging Distance, Method of Judging Distance - Observation – Camouflage - Concealment.

Indications of landmarks and Targets - Intro, Definitions, Types of Ground, Indication of Landmarks, Methods of identification of targets, difficult targets

Unit 5. Social Service and Community Development (Contact Hrs. 05).

Cadets will participate in various activities throughout the semester e.g., Blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc as per the requirement and similar announced days- National and State level.

Course Content Practical (Naval Wing)

Unit 1. Drill (Contact Hrs. 20)

Foot Drill- Drill ki Aam Hidayaten, Word ki Command, Savdhan, Vishram, Aram Se, Murdna, Kadvar Sizing, Teen Line Banana, Khuli Line, Nikat Line, Khade Khade Salute Karna Parade Par, Visarjan, Line Tod, Tej Chal, Tham aur Dhire Chal, Tham.

Foot Drill Dahine, Baen, Aageaur Piche Kadam Lena - Tej Chal se Murdna, Tej Chal se Salute Karna, Tej Kadam Taal aur Tham, Tej Kadam Taal se Kadam Badalna - Teeno Teen se Ek File aur ek file se Teeno Teen Banana

Unit 2. Weapon Training (Contact Hrs. 15).

Introduction & Characteristics of .22 rifle, Handling of .22 rifle- Range procedure & Theory of group - Short Range firing.

Unit 3. Naval Communications (Contact Hrs. 10)

Introduction to Naval Communication - Semaphore, Phonetic alphabets, Morse Code, International Flags

Unit 4. Seamanship (Contact Hrs. 10)

Introduction to anchor work: parts of an anchor, parts of a Cable, marking of cable, purpose of Anchor, Types of Anchor, holding ground - Types of ropes - Breaking Strength - Care and maintenance of ropes - Bends and Hitches, Types of knots

Unit 5. Social Service and Community Development (Contact Hrs. 05).

Cadets will participate in various activities throughout the semester e.g., Blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc as per the requirement and similar announced days- National and State level.

Unit 6. Ship and Boat Modelling (Contact Hrs. 05)

Stages of Ship modelling - Reading a drawing - Types of joints used in carpentry - Tools used in Ship modelling

Course Content Practical (Air Wing)

Unit 1. Drill (Contact Hrs. 20)

Foot Drill- Drill ki Aam Hidayaten, Word ki Command, Savdhan, Vishram, Aram Se, Murdna, Kadvar Sizing, Teen Line Banana, Khuli Line, Nikat Line, Khade Khade Salute Karna Parade Par, Visarjan, Line Tod, Tej Chal, Tham aur Dhire Chal, Tham.

Foot Drill Dahine, Baen, Aageaur Piche Kadam Lena - Tej Chal se Murdna, Tej Chal se Salute Karna, Tej Kadam Taal aur Tham, Tej Kadam Taal se Kadam Badalna - Teeno Teen se Ek File aur ek file se Teeno Teen Banana

Unit 2. Weapon Training (Contact Hrs. 15).

Introduction & Characteristics of .22 rifle, Handling of .22 rifle- Range procedure & Theory of group - Short Range firing.

Unit 3. Principle of Flight (Contact Hrs. 10)

Introduction to Principle of Flight – Basic concepts - Glossary of Terms – Aerofoil - Forces on an Aircraft - Lift & Drag - Flaps & Slats – Stalling – Thrust

Unit 4. Airmanship (Contact Hrs. 06)

Introduction to Airfield, Aerodrome, Airport facilities and structures

Unit 5. Social Service and Community Development (Contact Hrs. 05).

Cadets will participate in various activities throughout the semester e.g., Blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc as per the requirement and similar announced days- National and State level.

Unit 6. Air Campaigns (Contact Hrs. 02)

Introduction to Air Campaigns in Indian Military History

Course Content Part (III) Camp

Attending of Combined Annual Training Camp / Annual Training Camp (Minimum of 8 Days duration) is mandatory to get 5 credits

SEMESTER IV

Code: UGNCCGEN-II Subject Name: NCC GENERAL ELECTIVE -II

(Only for Enrolled Cadets – All Wings)

Course Content Part (I) Theory

Course Objectives:

- (a) Develop a sense of time management and social skills.
- (b) Understand the life history & leadership qualities of personalities who have contributed in Nation Building and Literature.
- (c) Understand the role of NCC cadets as 2nd line Defence in 1965 War.
- (d) Develop awareness about various types of Natural and manmade disasters.
- (e) Know about life saving tips during disasters.
- (f) acquainted about Fire Services.
- (g) Understand importance of Environmental Awareness & conservation.
- (h) Understand importance of General Awareness.
- (i) Know about Armed Forces.

Expected Learning Outcomes:

- (a) Effectively Manage time.
- (b) Develop the qualities of social skills.
- (c) Imbibe leadership qualities.
- (d) Do group discussions effectively.
- (e) Be motivated to serve the nation by joining Armed forces.
- (f) Contribute in environmental awareness and conservation activities.
- (g) Keep abreast of current affairs & general awareness. (viii)Effectively contribute in managing disaster relief tasks.

Course Content:

Unit 1. Personality Development (Contact Hrs.4).

Group Discussions – Social Skills & Time management.

Unit 2. Leadership Development (Contact Hrs.3).

Case Studies – Case Studies – Ratan Tata, Rabindra Nath Tagore, Role of NCC cadets in 1965 war.

Unit 3. Disaster Management (Contact Hrs. 10)

Initiative Trg., Organizing Skills - Dos and Don'ts - Natural Disasters - Man Made Disasters - Fire Services and Fire Fighting.

Unit 4. Environmental Awareness (Contact Hrs. 3).

Adventure Environmental Awareness and Conservation.

Unit 5. General Awareness (Contact Hrs. 4).

General Awareness.

Unit 6. Armed Forces (Contact Hrs. 6).

Army, Navy, Air Force and Central Armed Police Forces.

Course Content Part (II) Practical

Course Objectives:

- (a) Understand that drill as the foundation for discipline and to command a group for common goal
- (b) Appreciate grace and dignity in the performance of arm drill
- (c) Understand the concept and importance of social service.
- (d) Understand the importance of a weapon its detailed safety precautions necessary for prevention of accidents.
- (e) Actively participate in social service and community development activities.

Expected Learning Outcomes:

- (a) Perform arm drill gracefully.
- (b) Give and follow the different word of command.
- (c) Fire a weapon effectively with fair degree of marksmanship.
- (d) Different positioning for fire and aiming.
- (e) Use terrain effectively for concealment, camouflage, indicate landmarks and give field signals.
- (f) Observe surroundings in better way.
- (g) Develop the qualities of patience and confidence and become better individuals.
- (h) Will develop physical as well as mental fitness.

Course Content Practical (Army Wing)

Unit 1. Drill (Contact Hrs. 16)

Arm Drill - Rifle ke saath Savdhan, Vishram aur Aram se - Rifle ke saath Parade Par aur Saj, Rifle ke saath Visarjan, Line Tod - Bhumi Shastra aur Uthao Shastra, Bagal Shastra aur Baju Shastra - Salami Shastra - Squad Drill with Arms.

Unit 2. Weapon Training (Contact Hrs. 08).

Short Range firing.

Unit 3. Map Reading (Contact Hrs. 08).

Setting of Map - Findings North and Own Position – Map to Ground – Ground to Map

Unit 4. Field Craft & Battle Craft (Contact Hrs. 08)

Observation – Camouflage – Concealment - Fire and Move Capsule - Field signal- with hand, with Weapons, Signal with Whistle - Field signals as means of giving orders - Field signals by day, Field signals by night - Section Formation.

Unit 5. Social Service and Community Development (Contact Hrs. 05).

Cadets will participate in various activities throughout the semester e.g., Blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc as per the requirement and similar announced days- National and State level.

Unit 6. Obstacle Training (Contact Hrs. 05)

Obstacle training - Introduction, Safety-measures, Benefits - Obstacle Course- Straight balance, Clear Jump, Gate Vault, Zig- Zag Balance, High Wall.

Unit 7. Health & Hygiene (Contact Hrs. 05)

Hygiene & Sanitation (Hygiene- Personal & Camp Hygiene) - First Aid in common medical emergencies - Treatment & Care of Wounds.

Course Content Practical (Naval Wing)

Unit 1. Drill (Contact Hrs. 16)

Arm Drill - Rifle ke saath Savdhan, Vishram aur Aram se - Rifle ke saath Parade Par aur Saj, Rifle ke saath Visarjan, Line Tod - Bhumi Shastra aur Uthao Shastra, Bagal Shastra aur Baju Shastra - Salami Shastra - Squad Drill with Arms.

Unit 2. Naval Communication (Contact Hrs. 06)

Semaphore Practicals, Alphabets and Special signs, Prosigns

Unit 3. Weapon Training (Contact Hrs. 08).

Short Range firing.

Unit 4 Seamanship (Contact Hrs. 06).

Shackles and its types - Blocks and its types - Hooks and its type – Derrick - Coiling down - Splicing - Types of Splice

Unit 5. Ship and Boat Modelling (Contact Hrs. 04)

Stabilizing of Models Observation - Camp model, Directorate model, VIP model. Handling of power tools – Wood – Adhesives - Care of tools

Unit 6. Social Service and Community Development (Contact Hrs. 05).

Cadets will participate in various activities throughout the semester e.g., Blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc as per the requirement and similar announced days- National and State level.

Unit 7. Obstacle Training (Contact Hrs. 05)

Obstacle training - Introduction, Safety-measures, Benefits - Obstacle Course- Straight balance, Clear Jump, Gate Vault, Zig- Zag Balance, High Wall.

Unit 8. Health & Hygiene (Contact Hrs. 05)

Hygiene & Sanitation (Hygiene- Personal & Camp Hygiene) - First Aid in common medical emergencies - Treatment & Care of Wounds.

Course Content Practical (Air Wing)

Unit 1. Drill (Contact Hrs. 16)

Arm Drill - Rifle ke saath Savdhan, Vishram aur Aram se - Rifle ke saath Parade Par aur Saj, Rifle ke saath Visarjan, Line Tod - Bhumi Shastra aur Uthao Shastra, Bagal Shastra aur Baju Shastra - Salami Shastra - Squad Drill with Arms.

Unit 2. Weapon Training (Contact Hrs. 08).

Short Range firing.

Unit 3. Basic Flight Instruments (Contact Hrs. 03).

Introduction to Basic Flight Instruments and its function

Unit 4. Aeromodelling (Contact Hrs. 13)

Introduction to Aeromodelling – History, Basic Materials required Identification Tools and Selection of Materials - Types of Aeromodelling - Identifying Aircraft Models - Basic methodology of shaping materials

Unit 5. Social Service and Community Development (Contact Hrs. 05).

Cadets will participate in various activities throughout the semester e.g., Blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc as per the requirement and similar announced days- National and State level.

Unit 6. Obstacle Training (Contact Hrs. 05)

Obstacle training - Introduction, Safety-measures, Benefits - Obstacle Course- Straight balance, Clear Jump, Gate Vault, Zig- Zag Balance, High Wall.

Unit 7. Health & Hygiene (Contact Hrs. 05)

Hygiene & Sanitation (Hygiene- Personal & Camp Hygiene) - First Aid in common medical emergencies - Treatment & Care of Wounds.

SEMESTER V

Code: UGNCCARMY-I

Subject Name: NCC ARMY ELECTIVE -I

Course Content Part (I) Theory (Army)

Course Objectives:

- (a) Understand the concept of Team and its functioning.
- (b) Hone Public speaking skills.
- (c) Understand the security set up and management of Border/Coastal areas.
- (d) Acquire knowledge about an Infantry Battalion organisation and its weapons.
- (e) Acquire knowledge about Indo-Pak Wars fought in 1965 & 1971.

Expected Learning Outcomes:

- (a) Participate in team building exercise and value team work.
- (b) Improve communication skills by public speaking activities.
- (c) Understand the security mechanism and management of Border/Coastal areas.
- (d) Get motivated to join armed forces.

Course Content:

Unit 1. Personality Development (Contact Hrs.6).

Group Discussions –Team work - Public speaking.

Unit 2. Border & Coastal Areas (Contact Hrs.2).

Security Setup and Border/Coastal management in the area.

Unit 3. Introduction to Infantry Battalion and its Equipment (Contact Hrs. 3).

Organisation of Infantry Battalion & its weapons

Unit 4. Military History (Contact Hrs. 4).

Study of Battles of Indo-Pak Wars 1965 & 1971.

Course Content Practical (Army)

Course Objectives:

- (a) Understand that drill as the foundation for discipline and to command a group for common goal.
- (b) Appreciate grace and dignity in the performance of ceremonial drill.
- (c) Use the compass and GPS to locate places on the ground and map.

Expected Learning Outcomes:

- (a) Perform ceremonial drill and follow the different word of command.
- (b) Do the social service on various occasions and get connected with the community.

(c) Do all the asana and gain the physical& mental fitness.

Course Content:

Unit 1. Drill(Contact Hrs. 03)

Ceremonial Drill - Guard Mounting.

Unit 2. Field Craft & Battle Craft(Contact Hrs. 04)

Fire control orders - Types of fire control orders - Fire and Movement- when to use fire and movements tactics, Basic considerations, Appreciation of ground cover, Types of cover, Dead ground, Common Mistakes, Map and air photography, Selection of Fire position and fire control.

Unit 3. Map Reading (Contact Hrs. 04).

Google Maps & applications

Unit 4. Weapon Training (Contact Hrs. 04).

Short Range firing

Unit 5. Social Service and Community Development (Contact Hrs. 05)

Cadets will participate in various activities throughout the semester e.g., Blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc. as per the requirement and similar announced days- National and State level.

Unit 6. Health & Hygiene (Contact Hrs. 05)

Yoga- Introduction, Definition, Purpose, Benefits.

Asanas-Padamsana, Siddhasana, Gyan Mudra, Surya Namaskar, Shavasana, Vajrasana, Dhanurasana, Chakrasana, Sarvaangasana, Halasana etc.

Unit 7. Obstacle Training (Contact Hrs. 05)

Obstacle training – Intro, Safety measures, Benefits - Obstacle Course- Straight balance, Clear Jump, Gate Vault, Zig- Zag Balance, High Wall etc.

SEMESTER V

Code: UGNCCNAVY-I

Subject Name: NCC NAVY ELECTIVE –I

Course Content Part (I) Theory (Navy)

Course Objectives:

- (a) Understand the concept of Team and its functioning.
- (b) Hone Public speaking skills.
- (c) Understand the security set up and management of Border/Coastal areas.
- (d) Acquire knowledge on the Modes of Entry in IN, ICG, Merchant.
- (e) Familiarize in visual signaling
- (f) Introduce Navigation of ship, terms and Basic Requirements.

Expected Learning Outcomes:

- (a) Participate in team building exercise and value team work.
- (b) Improve communication skills by public speaking activities.
- (c) Understand the security mechanism and management of Border/Coastal areas.
- (d) Get motivated to join armed forces.
- (e) Acquainted to receive and transmit visual signals
- (f) Gain knowledge on navigation of ship.

Course Content

Unit 1. Personality Development (Contact Hrs. 06).

Group Discussions –Team work - Public speaking.

Unit 2. Border & Coastal Areas (Contact Hrs. 02).

Security Setup and Border/Coastal management in the area.

Unit 3. Naval Orientation (Contact Hrs. 09).

Armed Forces and Navy Capsule: Organization of Army, Navy and Air Force Types of warships and their role, Role of ships, Naval Customs and Traditions, Equivalent rank in three services. EEZ Maritime Security & ICG: Role of Indian Navy, State Marine Police and Indian Coast Guard - Modes of Entry – IN, ICG, Merchant Navy

Unit 4. Naval Communication (Contact Hrs. 24).

Introduction to Naval Communications, Phoenetic Alphabets, Morse Code, Alphabets and Special Signs, Prosigns used in Semaphore, Semaphore.

Unit 5. Navigation (Contact Hrs. 2)

Navigation of Ship – Basic Requirements: Navigation terms, Instruments and Equipments used in Navigation. Types of Compass, Compass terminology - Chart work: Chart projections, Chart scales, Fixing a ship, Types of Charts, Information on chart.

Course Content Practical (Navy)

Course Objectives:

- (a) Understand that drill as the foundation for discipline and to command a group for common goal.
- (b) Appreciate grace and dignity in the performance of ceremonial drill.
- (c) Better understanding and thorough knowledge on Visual Communication.
- (d) Understand parts of the boat, Boat pulling orders and Instructions.
- (e) Understand the criteria for evaluation of a Ship model.
- (f) Understand the importance of yoga.
- (g) Understand the Obstacle Course Training.

Expected Learning Outcomes:

- (a) Perform ceremonial drill and follow the different word of command.
- (b) Acquire knowledge on parts of the boat, Boat pulling orders and Instructions.
- (c) Acquire knowledge on the criteria for evaluation of a Ship model.
- (d) Do the social service on various occasions and get connected with the community.
- (e) Do all the asana and gain the physical & mental fitness.
- (f) Develop high degree of confidence

Course Content

Unit 1. Drill (Contact Hrs. 03)

Ceremonial Drill - Guard Mounting.

Unit 2. Naval Communication (Contact Hrs. 03)

Semaphore practical.

Unit 3. Weapon Training (Contact Hrs. 04).

Short Range firing - Google Maps & applications

Unit 4. Seamanship (Contact Hrs. 03)

Boat work- Parts of boat, Boat pulling orders instructions

Unit 5. Ship & Boat Modelling (Contact Hrs. 02)

Criteria for evaluation of a Ship Model

Unit 6. Social Service and Community Development (Contact Hrs. 06)

Cadets will participate in various activities throughout the semester e.g., Blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc. as per the requirement and similar announced days- National and State level.

Unit 7. Health & Hygiene (Contact Hrs. 05)

Yoga- Introduction, Definition, Purpose, Benefits - Asanas-Padamsana, Siddhasana, Gyan Mudra, Surya Namaskar, Shavasana, Vajrasana, Dhanurasana, Chakrasana, Sarvaangasana, Halasana etc.

Unit 8. Obstacle Training (Contact Hrs. 04)

Obstacle training – Intro, Safety measures, Benefits - Obstacle Course- Straight balance, Clear Jump, Gate Vault, Zig- Zag Balance, High Wall etc.

SEMESTER V

Code: UGNCCAIR-I

Subject Name: NCC AIR ELECTIVE –I

Course Content Part (I) Theory

Course Objectives:

- (a) Understand the concept of Team and its functioning.
- (b) Hone Public speaking skills.
- (c) Understand the security set up and management of Border/Coastal areas.
- (d) Acquire knowledge about Airmanship.
- (e) Acquire knowledge about basic flight instruments.
- (f) Understanding the concept of aeromodelling.

Expected Learning Outcomes:

- (a) Participate in team building exercise and value team work.
- (b) Improve communication skills by public speaking activities.
- (c) Understand the security mechanism and management of Border/Coastal areas.
- (d) Get motivated to join armed forces.

Course Content

Unit 1. Personality Development (Contact Hrs.6).

Group Discussions –Team work - Public speaking.

Unit 2. Border & Coastal Areas (Contact Hrs.2).

Security Setup and Border/Coastal management in the area.

Unit 3. Introduction to Airmanship (Contact Hrs. 1).

Introduction to basics of Airmanship – Qualities required – Airfield Structure -Airfield Layout - Rules of the Air

Unit 4. Introduction to Basic Flight Instruments (Contact Hrs. 3).

Introduction to Basic Flight Instruments – Concepts – Functions- Air Speed Indicator – Altimeter – Artificial Horizon

Unit 5, Introduction to Aeromodelling (Contact Hrs.3)

Introduction to Aeromodelling – History, Basic Materials required

Course Content Practical (Navy)

Course Objectives:

- (a) Understand that drill as the foundation for discipline and to command a group for common goal.
- (b) Appreciate grace and dignity in the performance of ceremonial drill.
- (c) Understand the concept of aeromodelling.
- (d) Understand the types and identification of aircraft models.
- (e) Understand the importance of yoga.
- (f) Understand the Obstacle Course Training.

Expected Learning Outcomes:

- (a) Perform ceremonial drill and follow the different word of command.
- (b) Acquire knowledge on parts of the aircraft and various models.
- (c) Acquire knowledge on the micro aspects in aeromodelling.
- (d) Do the social service on various occasions and get connected with the community.
- (e) Do all the asana and gain the physical & mental fitness.
- (f) Develop high degree of confidence

Course Content

Unit 1. Drill (Contact Hrs. 03)

Ceremonial Drill - Guard Mounting.

Unit 2. Weapon Training (Contact Hrs. 04).

Short Range firing - Google Maps & applications

Unit 3. Aeromodelling (Contact Hrs. 08)

Introduction to Aeromodelling – Types of Aero models – Materials used in aeromodelling – Significance of Technical details – Basic methods of handling power tools

Unit 4. Social Service and Community Development (Contact Hrs. 06)

Cadets will participate in various activities throughout the semester e.g., Blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc. as per the requirement and similar announced days- National and State level.

Unit 5. Health & Hygiene (Contact Hrs. 05)

Yoga- Introduction, Definition, Purpose, Benefits - Asanas-Padamsana, Siddhasana, Gyan Mudra, Surya Namaskar, Shavasana, Vajrasana, Dhanurasana, Chakrasana, Sarvaangasana, Halasana etc.

Unit 6. Obstacle Training (Contact Hrs. 04)

Obstacle training – Intro, Safety measures, Benefits - Obstacle Course- Straight balance, Clear Jump, Gate Vault, Zig- Zag Balance, High Wall etc.

SEMESTER VI

Code: UGNCCARMY-II

Subject Name: NCC ARMY ELECTIVE –II

Course Content Part (I) Theory (Army)

Course Objectives:

- (a) Get acquainted about counselling process its need and importance.
- (b) Know about SSB procedure and different tasks and tests.
- (c) Know about the conduction during the interview.
- (d) Understand the security challenges & role of cadets in Border Areas.
- (e) Know about the modes of entry in Armed forces, CAPF & police.
- (f) Understand the life history & leadership qualities of great generals.
- (g) Learn about 1999 Kargil war.
- (h) Acquire the knowledge about various wars and their heroes.
- (i) Know about various components of communication process.

Expected Learning Outcomes:

- (a) Get motivated to join Armed forces, police & CAPF.
- (b) Write their CV effective and appealing.
- (c) Face SSB interview effectively in their future.
- (d) Understand Individual responsibilities & role in meetings the security challenges on Border/Coastal areas.
- (e) Imbibe the feeling of patriotism.
- (f) Communicate more effectively.

Course Content

Unit 1. Personality Development (Contact Hrs.3).

Career Counselling - SSB Procedure - Interview Skills.

Unit 2. Border & Coastal Areas (Contact Hrs.2).

Security Challenges & Role of cadets in Border management.

Unit 3. Armed Forces (Contact Hrs. 3).

Modes of Entry into Army, Police and CAPF.

Unit 4. Military History (Contact Hrs. 19).

Biographies of Renowned Generals - War Heroes: Param Veer Chakra Awardees - Study of Battles of Kargil - War Movies.

Unit 5. Communication (Contact Hrs. 3).

Introduction to Communication & Latest Trends.

Course Content Practical (Army)

Course Objectives:

- (a) Understand that drill as the foundation for discipline and to command a group for common goal.
- (b) Appreciate grace and dignity in the performance of ceremonial drill.
- (c) Know about various knots and lashing used in soldiering.
- (d) Acquire awareness about the basic weapon system in use in the Armed Forces.

Expected Learning Outcomes:

- (a) Perform foot drill and follow the different word of command.
- (b) Aiming range and figure targets.
- (c) Use the different knots and lashing in day-to-day life for different purposes.
- (d) Develop the feeling of altruism.

Course Content:

Unit 1. Drill (Contact Hrs. 03).

Ceremonial Drill - Guard of Honour.

Unit 2. Weapon Training (WT) (Contact Hrs. 04).

Short Range firing.

Unit 3. Map Reading (MR) (Contact Hrs. 04).

Google maps and Applications.

Unit 4. Field Craft & Battle Craft (FCBC) (Contact Hrs. 03).

Knots, Lashing and Stretchers.

Unit 5. Social Service and Community Development (SSCD) (Contact Hrs. 05).

Cadets will participate in various activities throughout the semester e.g., Blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc as per the requirement and similar announced days- National and State level.

Unit 6. Introduction of Infantry Weapons & Equipment (INF) (Contact Hrs.03).

Characteristics of 5.56MM INSAS Rifle, Ammunition, Fire Power, Stripping, Assembling & Cleaning Practice.

Unit 7. Communication (COM) (Contact Hrs. 03).

Basic Radio Telephony (RT) Procedure - Introduction, Advantages, Disadvantages, Need for standard procedures - Types of Radio telephony communication - Radio telephony procedure, Documentation.

SEMESTER VI

Code: UGNCCNAVY-II

Subject Name: NCC NAVY ELECTIVE –II

Course Content Part (I) Theory (Navy)

Course Objectives:

- (a) Get acquainted about counselling process its need and importance.
- (b) Know about SSB procedure and different tasks and tests.
- (c) Know about the conduction during the interview.
- (d) Understand the security challenges & role of cadets in Border Areas.
- (e) Know about Naval Expeditions & Campaigns, Understand Rigging , Boat pulling and Whaler Sailing Instructionsthe life history & leadership qualities of great generals.
- (f) Acquire knowledge on Fire Fighting and Damage Control.
- (g) Understand complete details of Boat &Ship Modelling.

Expected Learning Outcomes

- (a) Get motivated to join Armed forces
- (b) Write their CV effective and appealing.
- (c) Face SSB interview effectively in their future.
- (d) Understand Individual responsibilities & role in meetings the security challenges on Border/Coastal areas.
- (e) Imbibe the feeling of patriotism.
- (f) Complete understanding on Fire Fighting and Damage Control.
- (g) Complete understanding on Boat &Ship Modelling

Course Content

Unit 1. Personality Development (Contact Hrs.3).

Career Counselling - SSB Procedure - Interview Skills.

Unit 2. Border & Coastal Areas (Contact Hrs.2).

Security Challenges & Role of cadets in Border management.

Unit 3. Naval Orientation (Contact Hrs. 3).

Naval Expeditions & Campaigns: Liberation of Goa, Indo Pak War 1971.

Unit 4. Seamanship (Contact Hrs. 15).

Introduction to Anchor Work - Rigging Capsule - Boat work- Parts of Boat - Boat Pulling Instructions - Whaler Sailing Instructions.

Unit 5. Fire Fighting Flooding and Damage Control (Contact Hrs. 4).

Fire Fighting: Types of Fire, Classification of fire, Types of Fire Extinguishers used in Indian Navy, Principles of firefighting - Damage Control: Causes of Damage, Zone of Damage, General Leak Stopping Devices, Watertight Risk Markings, Control Markings.

Unit 6. Ship & Boat Modelling (Contact Hrs. 03)

Introduction, Stages in Ship Modelling, Types of Joints used in carpentry, Types of tools, Types of Models, Criteria for evaluation.

Course Content Practical (Navy)

Course Objectives:

- (a) Understand that drill as the foundation for discipline and to command a group for common goal.
- (b) Appreciate grace and dignity in the performance of ceremonial drill.
- (c) Know about the Navigation terms, instruments used, charts and various information on chart.
- (d) Understand the different types of Knots and Steering of boat under oars, precautions while pulling
- (e) Acquire knowledge on Fire Fighting and Damage Control.
- (f) Understand complete details of Boat & Ship Modelling

Expected Learning Outcomes:

- (a) Perform foot drill and follow the different word of command.
- (b) Aiming range and figure targets.
- (c) Complete understanding on the Navigation terms, instruments used, charts and various information on chart.
- (d) Complete understanding on on Fire Fighting and Damage Control.
- (e) Complete understanding on Boat & Ship Modelling
- (f) Develop the feeling of altruism.

Course Content Practical (Navy)

Unit 1. Drill (Contact Hrs. 03).

Ceremonial Drill - Guard of Honour.

Unit 2. Naval Communication (Contact Hrs. 03)

Semaphore practical

Unit 3. Navigation (Contact Hrs 03)

Navigation terms, Instruments used in navigation, Types of compass, Types of chart, Information on chart

Unit 4. Weapon Training (WT) (Contact Hrs. 04).

Short Range firing.

Unit 5. Seamanship (Contact Hrs. 03).

Knots practical and Steering of boat under oars, precautions while pulling.

Unit 6. Fire Fighting & Damage Control (Contact Hrs 03)

Fire Fighting: Types of Fire, Classification of fire, Types of Fire Extinguishers used in Indian Navy, Principles of firefighting - Damage Control: Causes of Damage, Zone of Damage, General Leak Stopping Devices, Watertight Risk Markings, Control Markings

Unit 7 Ship & Boat Modelling (Contact hours 10)

Stages in Ship Modelling, Types of Joints used in carpentry, Types of tools, Types of Models, Criteria for evaluation

Unit 8. Social Service and Community Development (SSCD)(Contact Hrs 10)

Cadets will participate in various activities throughout the semester e.g., blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc as per the requirement and similar announced days- National and State level.

SEMESTER VI

Code: UGNCCAIR-II

Subject Name: NCC AIR ELECTIVE –II

Course Content Part (I) Theory (Air)

Course Objectives:

- (a) Get acquainted about counselling process its need and importance.
- (b) Know about SSB procedure and different tasks and tests.
- (c) Know about the conduction during the interview.
- (d) Understand the security challenges & role of cadets in Border Areas.
- (e) Know about Air Campaigns.
- (f) Understand complete details of Aero Modelling.

Expected Learning Outcomes

- (a) Get motivated to join Armed forces
- (b) Write their CV effective and appealing.
- (c) Face SSB interview effectively in their future.
- (d) Understand Individual responsibilities & role in meetings the security challenges on Border/Coastal areas.
- (e) Imbibe the feeling of patriotism.
- (f) Complete understanding on Aero Modelling

Course Content

Unit 1. Personality Development (Contact Hrs.3).

Career Counselling - SSB Procedure - Interview Skills.

Unit 2. Border & Coastal Areas (Contact Hrs.2).

Security Challenges & Role of cadets in Border management.

Unit 3. General Service Knowledge (Contact Hrs. 08)

Development of Aviation - History of IAF - Organisation of Air Force - Branches of the IAF - Modes of entry in the IAF - Career in the IAF as an Officer/Airman

Unit 4. Air Campaigns (Contact Hrs. 04)

Indo Pak War 1971 - Op Safed Sagar - Famous Air Heroes - Motivational Movies

Unit 5. Principle of Flight (Contact Hrs.06)

Introduction - Laws of Motion - Glossary of Terms - Bernoulli's Theorem and Venturi Effect – Aerofoil - Forces on an Aircraft - Lift & Drag - Flaps & Slats – Stalling - Thrust

Unit 6. Navigation (Contact Hrs.05)

Requirement of Navigation - Glossary of Terms – Maps – Map Reading

Unit 7. Aero Engine (Contact Hrs. 06)

Introduction of Aeroengines - Types of Engines - Piston Engines - Jet Engines - Turboprop Engines - Consolidation

Course Content Practical (Air)

Course Objectives:

- (g) Understand that drill as the foundation for discipline and to command a group for common goal.
- (h) Appreciate grace and dignity in the performance of ceremonial drill.
- (i) Aiming range and figure targets.
- (j) Understand complete details of Aero Modelling

Expected Learning Outcomes:

- (g) Perform foot drill and follow the different word of command.
- (h) Aiming range and figure targets.
- (i) Complete understanding on Aero Modelling
- (j) Develop the feeling of altruism.

Course Content Practical (Navy)

Unit 1. Drill (Contact Hrs. 03).

Ceremonial Drill - Guard of Honour.

Unit 2. Weapon Training (WT) (Contact Hrs. 04).

Short Range firing.

Unit 3 Aero Modelling (Contact hours 13)

Stages in Ship Modelling, Types of Joints used in carpentry, Types of tools, Types of Models, Criteria for evaluation

Unit 4. Social Service and Community Development (SSCD)(Contact Hrs 10)

Cadets will participate in various activities throughout the semester e.g., blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc as per the requirement and similar announced days- National and State level.