



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR
Arts Commerce and Science College, New Panvel
(AUTONOMOUS)
SYLLABUS

For

Second Year NCC SEM III and SEM IV
(W.e.f. 2020-21)

**Syllabus for Second Year NCC
Arts/Science /Commerce/BMS/AF Faculties**

Course – NCC Studies

1	Name of Programme	Second Year Programme of Arts/Science/Commerce
2	Course code	Arts –UAR3NCC & UAR4NCC Science-USC3NCC& USC4NCC Commerce- UCM3NCC & UCM A/F- UAF3NCC & UAF4NCC BMS- UMS3NCC & UM42NCC
3	Course Title	NCC Studies
4	Semester wise course content	SEM III and SEM IV
5	Credit Structure	2 Credits per Semester
6	No. of lectures per unit	60 lectures per Semester
7	No. of lectures per week	3 Lectures per week

Preamble: NCC Studies

The National Cadet Corps came into existence immediately after independence; the Kashmir war of 1948 was a bitter pill prompting the Govt. of India to reappoint the Kunjru Committee whose recommendations were instrumental in the inception of NCC on 16th of July 1948. The government of India accepted recommendations of the committee and prepared a bill. This bill was passed by the parliament and made national Cadet Corps Act, under this act NCC was opened in Schools and Colleges. To widen the scope of the NCC training, a Girl division in 1949, Air wing in 1952 and Navy wing during 1952 were established. However, with voluntary enrolment recommenced in 1966, presently 1.35 million cadets are enrolled with the plans of raising the strength to 1.5 million, spread over 788 units fewer than 95 NCC groups lead by ADG/DDG of the ranks of Major General/Brigadier equivalent in 17 Regional Directorates under the DG NCC who is of the rank of Lieutenant General. National Cadet Corps act as an interface for building a sense of patriotism, secular values, national unity and social cohesion among the youth.

‘NCC Studies’ as an optional subject for F.C. where the syllabus apart from having social relevance in the Indian milieu has emphasis on the overall development of personality of cadets. Moreover, with the academic acknowledgement, the cadets will be better equipped to take up careers in civil services, defense, paramilitary, police and security forces further prompting increased demand by the students, augmenting recruitment standards of NCC.

The students are thus provided with quality learning experience through meticulously planned curriculum with a perfect blend of theoretical knowledge & practical skills.

The ‘NCC Studies’ involves exposure to a range of subjects from Humanities to Science and Technology, apart from the Military Subjects taught both theoretically and practically.

The theory and practical components of specialized subjects of Army, Navy and Air force, shall be imparted both in the classroom and on the field including the camps, ensuring ‘Learnt be practiced’.

The entire syllabus shall be covered by the concerned teachers and the Permanent Instructors (PI staff), deputed by the NCC. While the teacher is expected to give emphasis on the classroom teaching, expertise of PI, shall be utilized for the instructional and practice sessions

The entire course shall be covered during the NCC parades which may preferably be arranged during the working days, covering 45 periods per semester with a total of 90 periods per year. The programme is divided into two semesters per academic year, with two credits per semester

and four credits in an academic year. This programme is categorized into six units per semester and a total of twelve units in an academic year.

Institutional training, Camp training, Social services and Community development, Adventure based learning, Sports, Personality development, Youth exchange programmes are the various facets which shall form the components of this course.

The pattern of evaluation will be in the form of continuous assessments and will comprise of internal and external assessment.

NOTE

The NCC 'B' and 'C' Certificate examinations are independent of the college examinations for being conducted by the NCC separately for the aspiring Cadets

AIMS

To reinforce the aims, motto, vision & mission of the NCC through the academic curriculum.

To instill and inculcate the core values of patriotism, commitment, just and impartial exercise of authority, effective contribution to community development and other social programs , healthy life style practices, habits of restraint & self-awareness & empathy to the needs of socially disadvantaged fellow citizens and above all enduring respect for knowledge, wisdom & power of ideas among the youth.

To train the students, to be graduates with all-round development, who, apart from their own subject, can successfully compete in other fields of career such as defense / paramilitary/ police forces & civil services

SEM III

Course objectives:

- To create evolved youth, who will be equipped to contribute in the development of the nation.
- To train students so as to achieve their physical and mental endurance.
- To inculcate spirit of adventure, undertake adventure activities, to own leadership qualities.
- To impart basic military training, to develop awareness about defence

Course Outcomes:

- The students will display Sense of patriotism, secular values and shall be transformed into motivated youth who will contribute towards nation
- The students will overcome fear to inculcate within them a sense of adventure sportsmanship courage ,determination, deligence
- The students will demonstrate sense of discipline, smartness, improve bearing with good reflexes.

SEM IV

Course objectives:

- To empower and train youth to be responsible citizens and assist in civil administration
- To inculcate in the learners about voluntary social service.
- To, instill responsibility towards personal health and hygiene
- To, impart elementary knowledge about rifles and firing

Course Outcomes:

- The learners will gain basic information about civil defence organisation
- The learners will have understanding of social aspects and will voluntarily participate in social activities
- The learners will be aware of personal health and hygiene
- The students will have basic knowledge of weapon training and handling rifles.

SEMESTER III

Course – UG NCC 203

Unit 1: National Integration & Environmental Awareness and Conservation

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Objective:

- To create evolved youth, who will be equipped to contribute in the development of the nation.
- To make student aware of the protection and conservation of the environment

Desired outcome:

- The students will display sense of patriotism, secular values and shall be transformed into motivated youth who will contribute towards nation building through national unity and social cohesion.
- The student will be made aware of the modern techniques of waste management and pollution control.
 - i. Freedom Struggle and nationalist movement in India.
 - ii. National interests, Objectives, Threats and Opportunities.
 - iii. Problems/ Challenges of National Integration.
 - iv. Unity in Diversity
 - v. Waste management
 - vi. Pollution control, ,water, Air, Noise and soil

Unit 2 Drill: Foot Drill

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Objective:

- To train students so as to achieve their physical and mental endurance. To acquire body language of smart soldier and to inculcate the sense of authority by commanding the troop under him/her.

Desired outcome:

- The students will demonstrate the sense of discipline, improve bearing, smartness, and turnout, and develop the quality of immediate and implicit obedience of orders, with good reflexes.
 - i. Side pace, pace forward and to the rear
 - ii. Turning on the march and whiling
 - iii. Saluting on the march
 - iv. Marking time, forward march and halt in quick time

- v. Changing step
- vi. Formation of squad and squad drill

Unit 3 Applied NCC

5

Objective

- To make the learners aware about the career opportunities in Defense services
- To introduce them to the syllabus of SSB examination
- To make them aware of the current general knowledge

Outcome

- Learners will know about various career opportunities in Defense forces
 - They will be prepared with syllabus of SSB and hence will be helpful to them to cope up with competitive examinations.
- i. Career Opportunities of NCC in Defense
 - ii. Introduction to SSB syllabus
 - iii. Introduction to current affairs

Unit 4 Personality Development and Leadership

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Objective:

- To understand and develop life skills, soft skills and to improve emotional quotient of the student.

Desired outcome:

- The student will inculcate officer like qualities with desired ability to take right decisions.
- i. Time management
 - ii. Effect of Leadership with historical examples
 - iii. Interview Skills
 - iv. Conflict Motives- Resolution

Unit 5 Specialized subject (Army)

10

Objective:

- To impart basic military training, to develop awareness about the defence forces and expose learners to military ethos / values.

Desired outcome:

- It will acquaint, expose & provide knowledge about Army/Navy/ Air force and to acquire

information about expanse of Armed Forces, service subjects and important battles.

A Armed Force

- i. Task and Role of Fighting Arms
- ii. Modes of Entry to Army
- iii. Honors and Awards

B Introduction to Infantry weapons and equipment's

- i. Characteristics of 5.56mm INSAS Rifle, Ammunition, Fire power, Stripping, Assembling and Cleaning
Organization of Infantry Battalion

C Communication

- i. Characteristics of Walkie-Talkies
- ii. Basic RT Procedure
- iii. Latest trends and Development (Multi Media, Video Conferencing,

OR

Unit 5 : Specialized subject (NAVY)

A. Naval orientation and service subjects

- i. Organization of Ship- Introduction on Onboard Organization
- ii. Naval Customs and Traditions
- iii. Mode of Entry into Indian Navy
- iv. Branches of the Navy and their functions
- v. Naval Campaign (Battle of Atlantic, Pearl Harbour, Falkland War/Fleet Review/ PFR/ IFR)

OR

Unit 5 Specialized subject (AIR)

A. Ship and Boat Modelling

- i. Types of Models
- ii. Introduction of Ship Model- Competition Types of Model Prepare in NSC and RDC
- iii. Care and handling of power-tools used- maintenance and purpose of tools

B. Search and rescue

- i. Role of Indian Coast Guard related to SAR

C. Swimming

- i) Floating and Breathing Techniques- Precautions while Swimming

Objective:

- To make the students apply the knowledge in specialised military subject/ social topics/ cultural endeavours.

Desired outcome:

- The students shall have hands-on training field experience and opportunity to portray cultural talent and develop personality.

SEMESTER IV

COURSE UG NCC 204

Unit 7: Disaster Management, Social Awareness and Community Development

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Objective:

- To empower and train youth to be responsible citizens and assist civil administration in performance of selective duties during disaster.
- To acquire firm base about voluntary social service

Desired outcome:

- The student shall gain basic information about civil defence organisation / NDMA & shall provide assistance to civil administration in various types of emergencies during natural / manmade disasters
- The student shall have an understanding about social evils and shall inculcate sense of whistle blowing against such evils and ways to eradicate such evils
 - i. Fire Services & Fire fighting
 - ii. Assistance during Natural / Other Calamities: Flood / Cyclone/ Earth Quake/ Accident etc.
 - iii. NGOs: Role & Contribution
 - iv. Drug Abuse & Trafficking
 - v. Corruption
 - vi. Social Evil viz. Dowry/ Female Feticide/Child Abuse & trafficking etc.
 - vii. Traffic Control Org. & Anti-drunken Driving
 - viii. Swatch Bharat Abhiyan
 - ix. Plastic Awareness

Unit 8: Health and Hygiene

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Objective:

- To instill respect and responsibility towards personal health and hygiene.

Desired outcome:

- The student shall be fully aware about personal health and hygiene lead a healthy life style and foster habits of restraint and self-awareness.
 - i. Hygiene and Sanitation (Personal and Food Hygiene)
 - ii. Basics of Home Nursing & First-Aid in common medical emergencies
 - iii. Wound & Fractures

Unit: 9 Drill with Arms

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Objective:

- To train students so as to achieve their physical, mental, psychological and emotional development.

Desired outcome:

- The students will demonstrate the sense of discipline, improve bearing, smartness, and turnout, and develop the quality of immediate and implicit obedience of orders, with good reflexes.
 - i. Getting on Parade with Rifle and Dressing at the Order
 - ii. Dismissing and Falling Out
 - iii. General Salute, Salami Shastra
 - iv. Squad Drill
 - v. Short/Long tail from the order and vice-versa
 - vi. Examine Arms

Unit 10: Weapon Training

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Objective:

- To impart elementary knowledge about rifles and firing.

Desired outcome:

- The student shall have basic knowledge of weapons and their use and handling.
 - i. The lying position, Holding and Aiming- I
 - ii. Trigger control and firing a shot
 - iii. Range procedure and safety precautions
 - iv. Theory of Group and Snap Shooting
 - v. Short range firing, Aiming- II -Alteration of sight

Unit 11 Specialized Subject (ARMY)

10

Objective:

- To impart basic military training, to develop awareness about the defence forces and expose learners to military ethos / values.

Desired outcome:

- The training shall instill patriotism, commitment and passion to serve the nation motivating the youth to join the defence forces.
It will also acquaint, expose & provide basic knowledge about armed, naval and air-force subjects

A. Map Reading

- a. Setting a Map, finding North and own position
- b. Map to ground, Ground to Map
- c. Point to Point March

B. Field Craft and Battle Craft

- a. Observation, Camouflage and Concealment
- b. Field Signals
- c. Types of Knots and Lashing

C. Introduction to Advance weapons and role of technology

Unit 11 Specialized subject (NAVY)

A. Naval Communication.

- i. Phoetic Alphabets
- ii. Radio Telephony Procedure
- iii. Wearing of National Flag, Ensign and Admiral 's Flag

B. Anchor Work

Types of Anchor, Purpose and Holding ground

C. Boat work

- i. Demonstrate Rigging a whaler and enterprise boat- Parts of Sail and Sailing Terms
- ii. Instructions in Enterprise Class Board including theory of Sailing, Elementary Sailing Tools
- iii. Types of Power Boats Used in the Navy and their uses, Knowledge of Anchoring, Securing and Towing a Boat

D. Introduction to advanced weapons and role of technology (To be covered by the guest lecturers)

OR

Unit 11 : Specialized subject (AIR)

A. Air frames

- i. Fuselage
- ii. Main and Tail Plain

B. Instruments

- i. Introduction to RADAR

C. Aero modelling

- i. Flying/ Building of Aero models

D. Introduction to advanced weapons and role of technology (To be covered by the guest lecturers)

Unit 12 Project

15

Objective:

- To make the students apply the knowledge in specialised military subject/ social topics/ cultural endeavors.

Desired outcome:

- The students shall have hands-on training field experience and opportunity to portray cultural talent and develop personality.

References

Title	Authors	Publication
Cadet's Hand book – Common subject..all wings.		BY DG NCC, New Delhi.
Cadet's Hand book – Specialised Subjects, Army, Navy, Air-force		BY DG NCC, New Delhi
NCC OTA Precise		BY DG NCC, New Delhi
“AVAN” Model of Disaster Mang.	Vinayak Dalvie	Proceedings of Int. Conf. on Urban Plan. and Env Strat & Challenges, Elphinstone College, Jan 2007.

Additional Reading

Humanistic Tradition of India	N.L.Gupta	Mohit Publication, New Delhi
Social psychology	Baron & Byrne	Pearson Publication, 12 th Edition self awareness know yourself / insight (110) Group & Individuals (374) Group discussion
Chanakya's 7 Secrets of Leadership	Radhakrishanan Pillai and D.Shivnandhan	Jaico
Social Psychology: Understanding Human Interaction	Baron, Robert A.	(302/BAR/BYR),7th Edition
Seven Habits of Highly Effective People.	Covey , Stephen	
The Habit of Winning.	Iyer , Prakash	Penguin , India ; 2011
The Goal	Goldratt , Eliyahu	The Northriver press ; 1994
Freedom Struggle	Chandra Bipin	National Book Trust 1972
Freedom of Religion and The Indian Judiciary	Bachal V.M. , Shubhada Saraswat	(362P)
India 1996- A Reference Annual Govt. of India		
Saha Soneri Pane	Vinayak D. Savarkar	
Environmental Biology and Toxicology	P.D. Sharma.	Rastogi Publication
Environmental Science	S.C. Santra	New Central Book Agency
National Cadet Corps (India)	Lambert M. Surhone, Mariam T. Tennoe, Susan F. Henssonow	Betascript Publishing, 2011
National Cadet Corps, Youth in	National Cadet Corps (India)	Lancer Publishers, 2003

Action (Google eBook)		
Youth in Step: History of the National Cadet Corps	V. Longer	Lancer international, 1983 Original from the University of Michigan
National Cadet Corps of India	Man Mohan Sharma	Vision Books, 1980 Original from the University of Michigan
The National Cadet Corps Act, 1948, as Modified Up to the 1 st July 1963	India	Government of India Press, 1963 (Military Law)
Cadet Corps in India: Its Evolution and Impact	Satis Chandra Maikap	Darbari Udyog, 1979 Original from the University of California
National Cadet Corps: 100 Years of Distinction	National Cadet Corps (Singapore)	NCC
The NCC	Singapore, National Cadet Corps Council	National Cadet Corps Council
Grooming Tomorrow's Leaders: National Cadet Corps, 1917-2006	R.S. Chhettri	Lancer Publishers, 2006
National Civil Defence Cadet Corps	Lambert M. Surhone, Mariam T. Tennoe, Susan F. Henssonow	Betascript Publishing, 2011
Discovery of India	Jawaharlal Nehru	
Health and Hygiene	Manoj. J.S.	Agra University Publication
Yoga for Healing	Venkateswaran P.S.	Bombay:- Jaico Publishing House 1989
Yoga Illustrated	New Delhi	Ministry of Information and Broadcasting, 1995
Yoga Practice, 1972	Shivnande Swami	Mumbai:- D.B. Taraporewala 1972
Yoga of Patanjali-1979	Yardi M.R.	Bhandarkar Oriental Research Institute- 1974
Sustainable Development (An Alternative Paradigm)	Satpathy , N.	Karnavati Publications , Ahmedabad.
Global Partners for Sustainable Development	Pachauri R.K & Srivastava L.	Tata Energy Research Institute, New Delhi ; 1994, 1998
Ecology and the Politics of survival : Conflict over Natural Resources in India	Shiva , Vandana	Sage Publications , California , 1991

Scheme of Examination

SEM III and IV

- A) Internal Assessment 25 marks**
- | | |
|--|-------------|
| i.Project: | 20 M |
| ii.Attendance and social activities | 05M |

B) External Assessment 75 Marks

Duration–These examinations shall be of 2.5 Hours duration

Theory question paper pattern

- a. There shall be five questions each of 15 marks.
- b. All questions shall be compulsory with internal choice within the questions.
- c. Question may be subdivided into sub-questions a, b, c... and the allocation of marks depends on the weightage of the topic.

Scheme of Examination (For Speciality Course)

SEM III and IV

- A) Internal Assessment 40 marks**
- | | |
|--|-------------|
| i.Project: | 15 M |
| ii.Attendance and social activities | 05M |
| iii.Class Test | 20M |

B) External Assessment 60 Marks

Duration–These examinations shall be of 2.0 Hours duration

Theory question paper pattern

- a. There shall be five questions each of 12 marks.
- b. All questions shall be compulsory with internal choice within the questions.

Question may be subdivided into sub-questions a, b, c... and the allocation of marks depends on the weightage of the topic

Passing Standard

The learners to pass a course shall have to obtain a minimum of 40% marks in aggregate for each course where the course consists of Internal Assessment and Semester End Examination. The learners shall obtain minimum of 40% marks (i.e. 10 out of 25) in the Internal Assessment and 40% marks in Semester End Examination (i.e. 30 Out of 75) separately, to pass the course and minimum of Grade E, wherever applicable, to pass a particular semester. A learner will be said to have passed the course if the learner passes the Internal Assessment and Semester End Examination together.

Distribution of periods

Semester –III		Semester –IV	
Unit	Periods	Unit	Periods
1	10	7	10
2	10	8	05
3	05	9	10
4	10	10	10
5	10	11	10
6	15	12	15
Total.....	60	Total.....	60

