

B.O.S. DATE 12/03/2024

B.O.S. ITEM NO. 01

ACADEMIC COUNCIL DATE 13/06/2024

ACADEMIC COUNCIL ITEM NO. 04



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

Re-accredited A+ Grade by NAAC (Third Cycle-CGPA-3.61)
'College with Potential for Excellence' Status Awarded by UGC
'Best College Award' by University of Mumbai

As per National Education Policy - 2020

Title of the Course
Foundation Course in NCC

Syllabus for
F. Y. BA/BCOM/BMS/BAF/B.Sc./Biotech/IT/CS
Two Credit Course
Semester III and IV

(With effect from the academic year 2024-25)

Changu Kana Thakur Arts, Commerce and Science College, New Panvel (Autonomous)



Janardan Bhagat Shikshan Prasarak Sanstha's

CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

As per National Education Policy - 2020

Sr. No.	Heading	Particulars
1	Title of Course	FC in NCC Studies
2	Eligibility	Cleared HSC examination.
3	Duration of course	2 years for Subject Course
4	Intake Capacity	-
5	Scheme of Examination	Theory 30 Marks; Internal 20 Marks
6	Standards of Passing	40%
7	Semesters	02
8	Course Academic Level	5.5
9	Pattern	Revised as per NEP 2020
10	Status	Approved by BOS and Academic Council
11	To be implemented from Academic Year	Academic Year 2024-25

Lt. N. P. Tidar
Head of Department NCC
Changu Kana Thakur
A.C.S. College, New Panvel
(Autonomous)

Prof. (Dr.) S.K. Patil
Principal
Changu Kana Thakur
A.C.S. College, New Panvel
(Autonomous)



Janardan Bhagat Shikshan Prasarak Sanstha's
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Arts, Commerce and Science College, New Panvel (Autonomous)

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 the recommendations of the committee and prepared a bill. This bill was passed by the parliament and made the 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, an Air wing in 1952, and Navy wing in 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 led by ADG/DDG of the ranks of Major General/Brigadier equivalent in 17 Regional Directorates under the DNCC who is of the rank of Lieutenant General. National Cadet Corps acts as an interface for building a sense of patriotism, secular values, national unity, and social cohesion among the youth. 'NCC Studies' is an optional subject for F.C. where the syllabus apart from having social relevance in the Indian milieu has an emphasis on the overall development of the 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 experiences through the 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, the expertise of PI, shall be utilized for the instructional and practice sessions. The entire course shall be covered during the NCC parades which preferably be arranged during the working days, covering 30 periods per semester with a total of 60 periods per year. The program 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 three units per semester and a total of six units in an academic year. Institutional training, Camp training, Social Services and Community development, Adventure-based learning, Sports, Personality development, and Youth exchange programs are the various facets that 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

Changu Kana Thakur Arts, Commerce and Science College, New Panvel (Autonomous)

Aims and Objectives

- **Improve the accuracy and precision of measurements.** This is important in a wide range of fields, from scientific research to industrial process control.
- **Increase the sensitivity of measurements.** This allows scientists to detect and quantify smaller amounts of analytes, which is important for fields such as drug discovery and environmental monitoring.
- **Improve the speed of measurements.** This is important for applications where real-time data is needed, such as in medical diagnostics and manufacturing.
- **Develop new measurement techniques that can be used to analyse complex systems.** This is important for fields such as materials science and biotechnology.
- **To make instrumentation more user-friendly and accessible.** This will allow a wider range of people to use advanced instrumentation, which will ultimately lead to a greater understanding of the world around us.

Learning Outcomes

Upon successful completion of this course, learner will be able to:

- **Apply** their knowledge to study the analytes under investigation.
- **Communicate** their understanding of functioning of advanced instruments for biological purpose.
- **Critically evaluate** the importance of instrumentation in various biological studies.

3. Credit Structure of the F.Y. NCC Semester I and II

No. of Courses	Semester III	Credits	No. of Courses	Semester IV	Credits
A	Discipline Specific Course (Major)		A	Discipline Specific Course (Major)	
B	Discipline Specific Course (Minor) (Select one, in continuation of Sem 2 minor)		B	Discipline Specific Course (Minor) (Select one, in continuation of Sem 2 minor)	
3					
C	Open Elective (Any one from the OE List)		C	Open Elective (Any one from the OE List)	
4					
D	Vocational Skill Courses		D	Vocational Skill Courses	
5					
E	Skill Enhancement Course		E	Skill Enhancement Course	
F	Ability Enhancement Courses		F	Ability Enhancement Courses	
6					
G	Foundation Course in NCC		G	Foundation Course in NCC	
1	National Integration, Personality Development and Leadership	02	1	Adventure Training & Disaster Management	02
2	Benefits of NCC in Defence		2	Health and Hygiene and First Aid	
3	Specialized subject (Army, Navy, and Air Force)		3	Specialized Subject Army / Weapon Training	
H	OJT/FP/CEP/RP			OJT/FP/CEP/RP	
8					
Total Credits		02	Total Credits		02

Changu Kana Thakur Arts, Commerce and Science College, New Panvel (Autonomous)

Abbreviations Used

- POs : Program Outcomes
- PS : Program Structure
- PSOs : Program Specific Outcomes
- COs : Course Outcomes
- TLP : Teaching-Learning Process
- AM : Assessment Method
- DSC : Discipline Specific Core
- DSE : Discipline Specific Elective
- GE : Generic Elective
- OE : Open Elective
- VSC : Vocational Skill Course
- SEC : Skill Enhancement Course
- IKS : Indian Knowledge System
- AEC : Ability Enhancement Course
- VEC : Value Education Course
- OJT : On Job Training (Internship)
- FP : Field project
- CEP : Community engagement and service
- **CC : Co-curricular Courses**
- RM : Research Methodology
- RP : Research Project
- MJ : Major Course
- MN : Minor Course

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Arts, Commerce and Science College, New Panvel (Autonomous)

Syllabus for F.Y. NCC Semester I
Choice Based Credit System
Under New Education Policy (NEP) 2020
(To be implemented from the academic year 2024-2025)

Course Structure

Course Code: UCC1NCC

Course Title: FC in NCC 1

Course Type: CC Two Credit Course

No. of Credits: 2

Course Outcomes (Cos)

Name of the Course: FC in NCC	Head of the Department: LT. NILIMA P. TIDAR	
Course Title: FC in NCC 1	Course Code: UCC1NCC	
CO No.	COs Statement	
	After completing the course, students will be able to;	Bloom Taxonomy Level (BTL)
CO-1	Emphasize a sense of patriotism, secular values and shall be transformed into motivated youth who will contribute towards nation building through national unity and social cohesion.	Apply
CO-2	Understand the importance of the conservation of natural resources and protection of Environment.	Understanding
CO-3	Develop the concept of patriotism, commitment and passion to serve the nation motivating the youth to join the defence forces.	Create

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Course Code: UCC1CC

Course Title: FC in NCC 1

Unit I: National Integration, Personality Development and Leadership

Unit II: Benefits of NCC in Defence

Unit III: Specialized subject (Army, Navy, and Air Force)

Unit. Subunit	Topic FC in NCC 1	Lectures
Unit 1	Introduction to NCC, National Integration & Awareness	10
	A. Historical development of Military history in India (world war I & II, War after Independence)	2
	B. Genesis, Aims, Objectives of NCC & NCC Song	2
	C. Incentives & Benefits	2
	D. Present scenario of NCC and its advantages in career building	1
	E. NCC Camps	1
	F. Religions, Culture, Traditions and Customs of India	1
	G. National integration, necessity	1
Unit 2	Environment Awareness - Conservation, Social Awareness and Community Development	10
	A. Natural Resources – Conservation and Management	2
	B. Water Conservation and Rainwater Harvesting	2
	C. Types of Pollution, Forest Ecology, and Waste Management	2
	D. Basics of Social Service, Weaker Sections of Our Society and Their Needs	1
	E. Social/ Rural Development Project: MNREGA, SGSY	1

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	F. Contribution of Youth towards Social Welfare	1
	G. Civic Responsibilities and Human rights	1
Unit. Subunit	Specialized Subject Army	10
1	A. Drill <ul style="list-style-type: none"> •General and Words of Command •Attention, Stand at Ease and Stand Easy, Turning and Inclining at the Halt •Saluting at the Halt, Getting on Parade, Dismissing and Falling Out 	4
	B. Communication <ul style="list-style-type: none"> •Types of Communications •Characteristics of Wireless Technologies (Mobile, Wi-Fi etc.) 	3
	C. Armed Force <ul style="list-style-type: none"> •The basic organization of Armed Forces •Organization of Army •Badges and Ranks •Leadership and Biographies of War Heroes 	3



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Arts, Commerce and Science College, New Panvel (Autonomous)

Syllabus for F.Y. NCC Semester II
Choice Based Credit System
Under New Education Policy (NEP) 2020
(To be implemented from the academic year 2024-2025)

Course Structure

Course Code: UCC2NCC

Course Title: FC in NCC 2

Course Type: CC Two Credit Course

No. of Credits: 2

Course Outcomes (Cos)

Name of the Course: FC in NCC	Head of the Department: LT. NILIMA P. TIDAR	
Course Title: FC in NCC 2	Course Code: UCC2NCC	
CO No.	COs Statement	
	After completing the course, students will be able to:	Bloom Taxonomy Level (BTL)
CO-1	Develop sense of adventure, sportsmanship and develop confidence, courage, determination, diligence and quest for excellence.	Create
CO-2	Apply the knowledge of personal health and hygiene lead a healthy life style and foster habits of restraint and self-awareness.	Apply
CO-3	Apply the knowledge of weapons and their use and handling.	Apply

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Arts, Commerce and Science College, New Panvel (Autonomous)

Course Code: UCC2NCC
Course Title: FC in NCC 2

Unit I: Adventure Training & Disaster Management
Unit II: Health and Hygiene and First Aid
Unit III: Specialized Subject Army / Weapon Training

Unit. Subunit	Topic FC in NCC 2	Lectures
Unit 1	Adventure Training & Disaster Management	10
	A. Obstacle course, Scuba diving, Trekking, Cycling, Rock Climbing.	2
	B. Civil Defense & NGO, NDMA: Its Duties	2
	C. Types of Disasters (Natural & Man-made Disaster)	2
	D. Types of essential services	1
	E. Assistance during Natural / Other Calamities: Flood / Cyclone / Earth Quake / Accident / pandemic etc.	2
	F. Responsibilities of NCC cadet for the development of our society	1
Unit 2	Health and Hygiene and First Aid	10
	A. Hygiene and Sanitation (Personal and Food Hygiene)	2
	B. Infectious & Contagious Diseases & Their Prevention	2
	C. Common injuries and first aid	2
	D. Important of Yogic Kriya's	2
	E. (Cardio Pulmonary Resuscitation) CPR Demonstration	2

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Unit 3	Specialized Subject Army	10
1	Weapon Training	
	A. Characteristics of a Rifle / Rifle Ammunition and its Fire Power	1
	F. Stripping, Assembling, Care and Cleaning and Sight Setting of .22 rifle and 7.62mm rifle	2
	G. Map reading: Introduction to types of Maps and Conventional signs	2
	H. Field Craft and Battle Craft - Introduction	2
	I. Judging distance, Description of ground, Recognition	1
	J. Field Signals	1
	K. Battle drill, section battle drill, Field Defense and Ambush	1

Reference Books

National Cadet Corps

Title	Authors	Publication
Cadet's Hand book – Common subject All wings.		BY DG NCC, New Delhi.
Cadet's Hand book – Specialized 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, 12th 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 Northriverpress; 1994
Freedom Struggle	Chandra Bipin	National Book Trust 1972
Freedom of Religion and The Indian Judiciary	BachalV.M., Shubhada Saraswat	(362P)
India 1996- A Reference Annual Govt. of India		
SahaSoneri Pane	Vinayak D. Savarkar	
Environmental Biology and Toxicology	P.D. Sharma.	Rastogi Publication
Environmental Science	S.C. Santra	New Central Book Agency

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National Cadet Corps (India)	Lambert M. Surhone, Mariam T. Tennoe, Susan F. Henssonow	Betascript Publishing, 2011
National Cadet Corps, Youth in Action (Google eBook)	National Cadet Corps (India)	Lancer Publishers, 2003
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 1st 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

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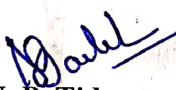
CHANGU KANA THAKUR




Arts, Commerce and Science College, New Panvel (Autonomous)

As per National Education Policy - 2020

Sr. No.	Heading	Particulars
1	Title of Course	Foundation Course in NCC
2	Eligibility	Students must have taken NCC as one of the subjects in first year.
3	Duration of Course	2 years for Subject Course
4	Intake Capacity	-
5	Scheme of Examination	Theory 30 Marks; Internal 20 Marks
6	Standards of Passing	40%
7	Semesters	02
8	Course Academic Level	5.5
9	Pattern	Revised as per NEP 2020
10	Status	Approved by BOS and Academic Council
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Arts, Commerce and Science College, New Panvel (Autonomous)

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 the recommendations of the committee and prepared a bill. This bill was passed by the parliament and made the 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, an Air wing in 1952, and Navy wing in 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 led by ADG/DDG of the ranks of Major General/Brigadier equivalent in 17 Regional Directorates under the DNCC who is of the rank of Lieutenant General. National Cadet Corps acts as an interface for building a sense of patriotism, secular values, national unity, and social cohesion among the youth. 'NCC Studies' is an optional subject for F.C. where the syllabus apart from having social relevance in the Indian milieu has an emphasis on the overall development of the 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 experiences through the 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, the 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 30 periods per semester with a total of 60 periods per year. The program is divided into two semesters per academic year, with two credits per semester and four credits in an academic year. This programmer is categorized into three units per semester and a total of six units in an academic year.

Institutional training, Camp training, Social Services and Community development, Adventure-based learning, Sports, Personality development, and Youth exchange programs are the various facets that 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

Changu Kana Thakur Arts, Commerce and Science College, New Panvel (Autonomous)

1) Aims and Objectives

- **Improve the accuracy and precision of measurements.** This is important in a wide range of fields, from scientific research to industrial process control.
- **Increase the sensitivity of measurements.** This allows scientists to detect and quantify smaller amounts of analytes, which is important for fields such as drug discovery and environmental monitoring.
- **Improve the speed of measurements.** This is important for applications where real-time data is needed, such as in medical diagnostics and manufacturing.
- **Develop new measurement techniques that can be used to analyse complex systems.** This is important for fields such as materials science and biotechnology.
- **To make instrumentation more user-friendly and accessible.** This will allow a wider range of people to use advanced instrumentation, which will ultimately lead to a greater understanding of the world around us.

2) Learning Outcomes

Upon successful completion of this course, learner will be able to:

- **Apply** their knowledge to study the analytes under investigation.
- **Communicate** their understanding of functioning of advanced instruments for biological purpose.
- **Critically evaluate** the importance of instrumentation in various biological studies.

3) Credit Structure of the S.Y. NCC Semester III and IV

No. of courses	Semester III	Credits	No. of Courses	Semester IV	Credits
A	<i>Discipline Specific Course (Major)</i>		A	<i>Discipline Specific Course (Major)</i>	
B	<i>Discipline Specific Course (Minor)</i> (Select one, in continuation of Sem 2 minor)		B	<i>Discipline Specific Course (Minor)</i> (Select one, in continuation of Sem 2 minor)	
3					
C	<i>Open Elective</i> (Any one from the OE List)		C	<i>Open Elective</i> (Any one from the OE List)	
4					
D	<i>Vocational Skill Courses</i>		D	<i>Vocational Skill Courses</i>	
5					
E	<i>Skill Enhancement Course</i>		E	<i>Skill Enhancement Course</i>	
F	<i>Ability Enhancement Courses</i>		F	<i>Ability Enhancement Courses</i>	
6					
G	<i>Foundation Course in NCC</i>		G	<i>Foundation Course in NCC</i>	
1	National Integration, Personality Development and Leadership	02	1	Disaster Management, Social Awareness and Community Development	02
2	Benefits of NCC in Defence		2	Drill with Arms	
3	Specialized subject (Army, Navy and Air Force)		3	Specialized Subject (ARM FORCES)	
H	<i>OJT/FP/CEP/RP</i>			<i>OJT/FP/CEP/RP</i>	
8					
Total Credits		02	Total Credits		02

Abbreviations Used

- POs : Program Outcomes
- PS : Program Structure
- PSOs : Program Specific Outcomes
- COs : Course Outcomes
- TLP : Teaching-Learning Process
- AM : Assessment Method
- DSC : Discipline Specific Core
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- GE : Generic Elective
- OE : Open Elective
- VSC : Vocational Skill Course
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- IKS : Indian Knowledge System
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- VEC : Value Education Course
- OJT : On Job Training (Internship)
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- CEP : Community engagement and service
- **CC : Co-curricular Courses**
- RM : Research Methodology
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- MJ : Major Course
- MN : Minor Course



Janardan Bhagat Shikshan Prasarak Sanstha's

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Arts, Commerce and Science College, New Panvel (Autonomous)

Syllabus for S.Y. NCC Semester III

Choice Based Credit System

Under New Education Policy (NEP) 2020

(To be implemented from the academic year 2024-2025)

Course Structure

Course Code: UCC3NCC

Course Title: FC in NCC 3

Course Type: CC Two Credit Course

No. of Credits: 2

Course Outcomes (Cos)

Name of the Course: FC in NCC	Head of the Department: LT. NILIMA P. TIDAR	
Course Title: FC in NCC 3	Course Code: UCC3NCC	
CO No.	COs Statement	
	After completing the course, students will be able to:	Bloom Taxonomy Level (BTL)
CO-1	Emphasize the importance of National Integration, Unity in diversity, Freedom struggle, and national movements in India.	Create
CO-2	Apply the knowledge for career development with time management and interview skills.	Apply
CO-3	Explain the task and role of fighting arms and modes of entry to armed forces.	Apply
CO-4	Distinguish between group and snap shooting of firing in armed forces	Evaluate
CO-5	Understand the importance of a weapon and its detailed safety precautions necessary for prevention of accidents.	Understanding

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Arts, Commerce and Science College, New Panvel (Autonomous)

Course Code: UCC3CC

Course Title: FC in NCC 3

Unit I: National Integration, Personality Development and Leadership

Unit II: Benefits of NCC in Defence

Unit III: Specialized subject (Army, Navy, and Air Force)

Unit. Sub unit	Topic FC in NCC 3	Lectures
1	National Integration, Personality Development and Leadership	10
	A. Freedom Struggle and nationalist movement in India.	2
	B. National interests, Objectives, Threats and Opportunities.	1
	C. Unity in Diversity	1
	D. Time management	2
	E. Effects of Leadership with historical examples	2
	F. Interview Skills	2
Unit 2	Benefits of NCC in Defence	10
	A. Career Opportunities of NCC	2
	B. Introduction to SSB syllabus	2
	C. Introduction to current affairs	1
	D. Task and Role of Fighting Arms	2
	E. Modes of Entry to Armed Forces.	2
	F. Honors and Awards	2

Unit 3	Specialized subject (Army, Navy, and Air Force)	10
	The lying position, Holding, Aiming, range procedure, and safety precautions.	2
	Theory of Group and Snap Shooting	2
	Organization of Ship- Introduction to Onboard Organization	1
	Naval Customs and Traditions	2
	Introduction of Aero Modelling- Competition Types of Models Prepare in VSC and RDC	2
	Paragliding, Slithering	1



Janardan Bhagat Shikshan Prasarak Sanstha's

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Arts, Commerce and Science College, New Panvel (Autonomous)

Syllabus for S.Y. NCC Semester IV

Choice Based Credit System

Under New Education Policy (NEP) 2020

(To be implemented from the academic year 2024-2025)

Course Structure

Course Code: UCC4NCC

Course Title: FC in NCC 4

Course Type: CC Two Credit Course

No. of Credits: 2

Course Outcomes (Cos)

Name of the Course: FC in NCC	Head of the Department: LT. NILIMA P. TIDAR	
Course Title: FC in NCC 3	Course Code: UCC4NCC	
CO No.	COs Statement	
	After completing the course, students will be able to:	Bloom Taxonomy Level (BTL)
CO-1	Understand the various social issues and their impact on social life.	Understanding
CO-2	Develop the concept of various markings on the map and how they are co-related to the ground features.	Create
CO-3	Understand the process of coping with Stress & emotions.	Understanding
CO-4	Explain the concept of Setting Maps, Radio Telephony Procedures, and Radar of Armed forces	Evaluate
CO-5	Understand that drill as the foundation for discipline and dignity of drill with Arms.	Understanding

Changu Kana Thakur Arts, Commerce and Science College, New Panvel (Autonomous)



Course Code: UCC4NCC

Course Title: FC in NCC 4

Unit I: Disaster Management, Social Awareness and Community Development

Unit II: Drill with Arms

Unit III: Specialized Subject (ARMED FORCES)

Unit. Subunit	Topic FC in NCC 4	Lectures
1	Disaster Management, Social Awareness and Community Development	10
	A. Fire Services & Fire fighting	2
	B. Corruption	1
	C. Social Evil viz. Dowry/ Female Feticide/Child Abuse & trafficking etc.	1
	D. Traffic Control Org. & Anti- drunk Driving	1
	E. Cyber Security	2
	F. Stress Management	2
Unit 2	Drill with Arms	10
	A. Getting on Parade with Rifle and Dressing at the Order	4
	B. Dismissing and Falling Out	3
	C. General Salute, Salami Shastra	3
Unit. Subunit	Specialized Subject (ARMED FORCES)	10
1	A. Map Reading Setting a Map, finding North and own position Map to ground, Ground to Map	4
	B. Naval Equipments Radio Telephony Procedure <ul style="list-style-type: none"> Anchor Work - Types of Anchors, Purpose and Holding ground Types of Power Boats Used in the Navy and their uses, Knowledge of Anchoring, Securing and Towing a Boat 	3
	C. Air force <ul style="list-style-type: none"> Introduction to RADAR Flying/ Building of Aero models Types of Modern Jets 	3

References

1. Title Authors Publication Cadet's Hand book – Common subject, all wings. BY DG NCC, New Delhi.
2. Cadet's Hand book – Specialised Subjects, Army, Navy, Air-force BY DG NCC, New Delhi
3. NCC OTA Precise BY DG NCC, New Delhi
4. "AVAN" Model of Disaster Mang.- Vinayak Dalvie, Proceedings of Int. Conf. on Urban Plan. and Env Strat & Challenges, Elphinstone College, Jan 2007.
5. Tripura University - A Central University, Suryamaninagar- <https://tripurauniv.ac.in>