

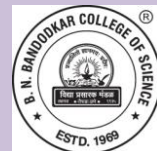
Academic Council Meeting No. and Date : 2 / April 30, 2021

Agenda Number : 4

Resolution Number : 4.14 and 4.30



**Vidya Prasarak Mandal's
B. N. Bandodkar College of
Science (Autonomous), Thane**



Syllabus for

Programme : Bachelor of Science

Specific Programme : N.C.C. Studies

[F.Y.B.Sc. N.C.C.]

Revised under Autonomy

From academic year 2021 - 2022

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Preamble

The course is conceived and designed under innovative programmes/courses of the University and will be offered as an optional subject for Foundation Course at the undergraduate level with interdisciplinary interfaculty approach. 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 syllabus apart from having social relevance in the Indian milieu has emphasis on the overall development of personality. Moreover, with the academic acknowledgement, the cadets will be better equipped to take up careers in civil services, defence, paramilitary, police and security forces further prompting increased demand by the students, augmenting recruitment standards of NCC.

Eligibility, Enrolment and Strength: The bonafide students of this college offering B.A./B.Sc./B.Com. program are eligible to opt for NCC Studies as a subject in place of Foundation Course in Semester I, II, III and IV, subject to the desired physical fitness and selection in the concerned NCC Unit and that the strength of such enrolment shall not exceed the strength allotted by the Directorate of NCC Maharashtra to the said Unit.

Duration : 2 years

Mode of Conduct : Practice Parade / Offline lectures / Online lectures

Program Specific Outcome : National Cadet Corps (NCC), came into existence, on 15 July 1948 under an Act of Parliament. Over the years, NCC has spread its activities and values, across the length and breadth of the country; in schools and colleges, in almost all the districts of India. It has attracted millions of young boys and girls, to the very ethos espoused by its motto, “unity and discipline” and molded them into disciplined and responsible citizens of the country. NCC has attained an enviable brand value for itself, in the Young India’s mind space.

National Cadet Corps (NCC), aims at character building and leadership, in all walks of life and promotes the spirit of patriotism and National Integration amongst the youth of the country. Towards this end, it runs a multifaceted training; varied in content, style and processes, with added emphasis on practical training, outdoor training and training as a community.

With the dawn of Third Millennia, there have been rapid strides in technology, information, social and economic fields, bringing in a paradigm shift in learning field too; NCC being no exception. A need was felt to change with times. NCC has introduced its New Training Philosophy, catering to all the new changes and developments, taking place in the Indian Society. It has streamlined and completely overhauled its training philosophy, objectives, syllabus, methodology etc, thus making it in sync with times. Subjects like National Integration, Personality Development and Life Skills, Social Service and Community Development activities etc, have been given prominent thrust.

The new syllabus, has been crystallized after obtaining a detailed feedback, from all the Directorates and the same having been brainstormed at HQ DG NCC. The syllabus has been implemented with effect from 01 May 2019.

For the ease of Trainees, a summary has been given at the end of each chapter. The syllabus has been revised, to make it cadet friendly, by removing the commonalities in subjects, of the school/college syllabus and making it more relevant. It is hoped, that this will facilitate, better assimilation and increased interest among the cadets.

F.Y.B.Sc. (N.C.C. Studies)

Structure of Programme

Semester I

CourseCode	Course Title	No. of lectures	Credits
BNBUNCC1T1	N.C.C. Studies – I	45	2

Semester II

CourseCode	Course Title	No. of lectures	Credits
BNBUNCC2T1	N.C.C. Studies – II	45	2

Semester I

Course Code	Course Title	Credits	No. of lectures
BNBUNCC1T1	N.C.C. Studies – I	2	
Course Outcomes: <ol style="list-style-type: none"> 1. 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 2. The students will demonstrate the sense of discipline, improve bearing, smartness, turnout, develop the quality of immediate and implicit obedience of orders, with good reflexes 3. The students will overcome fear & inculcate within them the sense of adventure , sportsmanship , esprit-d-corp and develop confidence , courage , determination, diligence and quest for excellence 4. The student will develop an all-round personality with adequate leadership traits to deal / contribute effectively in life. 5. The training shall instill patriotism, commitment and passion to serve the nation motivating the youth to join the defence forces 			
Unit I	Introduction to NCC, National Integration & Awareness <ul style="list-style-type: none"> • Genesis, Aims, Objectives of NCC & NCC Song • Organisation & Training • Incentives & Benefits • Religions, Culture, Traditions and Customs of India • National Integration: Importance and Necessity • Freedom Struggle Adventure Training Any Two such as – Obstacle course, Slithering, Trekking, Cycling, Rock Climbing, Para Sailing, Sailing, Scuba Diving etc		
Unit II	Foot 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 • Sizing, Forming Up in Three Ranks and Numbering, Open and Close Order March and Dressing • Saluting at the Halt, Getting On Parade, Dismissing and Falling Out • Marching, Length of Pace and Time of Marching in Quick Time and Halt, Slow March and Halt • Turning on the March and Wheeling. • Saluting on the March. viii. Formation of squad and Squad Drill. Environment Awareness and Conservation Natural Resources – Conservation and Management, Water Conservation and Rainwater Harvesting		
Unit III	Personality Development and Leadership <ul style="list-style-type: none"> • Introduction to Personality Development • Factors Influencing /Shaping Personality: Physical, Social, Physiological, Philosophical and Psychological • Self Awareness Know yourself/ Insight • Change Your Mind Set • Communication Skills: Group Discussion / Lecturettes (Public Speaking) 		

- Leadership Traits
- Types of Leadership

Specialized subject

A. Armed Force

- Basic organisation of Armed Forces
- Organisation of Army
- Badges and Ranks

B. Introduction to Infantry and weapons and equipments

- Characteristics of 7.62mm SLR Rifle, Ammunition, Fire power, Stripping, Assembling and Cleaning

C. Military history

- Biographies of renowned Generals (Carriapa / Sam Manekshaw)
- Indian Army War Heroes- PVCs

D. Communication

- Types of Communications
- Characteristics of Wireless Technologies (Mobile, Wi-Fi etc.)

Semester II

Course Code	Course Title	Credits	No. of lectures
BNBUNCC2T1	N.C.C. Studies – II	2	
Course Outcomes: <ol style="list-style-type: none"> 1. The student shall gain basic information about civil defense organization / NDMA & shall provide assistance to civil administration in various types of emergencies during natural / manmade disasters. 2. The student shall have an understanding about social service and its need, about NGOs and shall participate in community action programmes for betterment of the community. 3. The student shall be fully aware about personal health and hygiene lead a healthy life style and foster habits of restraint and self awareness. 4. The student shall have basic knowledge of weapons and their use and handling 			
Unit I	<p>Disaster Management :</p> <ol style="list-style-type: none"> i. Civil Defense Organization and Its Duties/ NDMA ii. Types of Emergencies/ Natural Disaster iii. Assistance during Natural / Other Calamities: Flood / Cyclone/ Earth Quake/ Accident etc. iv. ‘Avan’ model of NCC <p>Social Awareness and Community Development</p> <ol style="list-style-type: none"> i. Basics of Social Service, Weaker Sections of Our Society and Their Needs ii. Social/ Rural Development Project: MNREGA, SGSY, NSAP etc. iii. Contribution of Youth towards Social Welfare iv. Civic Responsibilities v. Causes & Prevention of HIV/AIDS; Role of Youth 		
Unit II	<p>Health and Hygiene</p> <ol style="list-style-type: none"> i. Structure and Functioning of the Human Body ii. Hygiene and Sanitation (Personal and Food Hygiene) iii. Infectious & Contagious Diseases and Their Prevention iv. Adult Education <p>Drill with Arms</p> <ol style="list-style-type: none"> i. Attention, Stand at Ease and Stand Easy ii. Getting on Parade with Rifle and Dressing at the Order iii. Dismissing and Falling Out iv. Ground / Take Up Arms v. Present From the Order and Vice-versa vi. General Salute, Salami Shastra 		
Unit III	<p>Weapon Training</p> <ol style="list-style-type: none"> i. Characteristics of a Rifle / Rifle Ammunition and its Fire Power ii. Stripping, Assembling, Care and Cleaning and Sight Setting of .22 rifle iii. Stripping, Assembling, Care and Cleaning of 7.62mm SLR 		

	<ul style="list-style-type: none"> iv. Loading, Cocking and Unloading v. The lying position, Holding and Aiming- I vi. Trigger control and firing a shot vii. Range procedure and safety precautions viii. Short range firing, Aiming- II -Alteration of sight <p>Map reading</p> <ul style="list-style-type: none"> i. Introduction to types of Maps and Conventional signs ii. Scales and Grid system iii. Topographical forms and technical terms iv. Relief, contours and Gradients v. Cardinal points and Types of North vi. Types of bearings and use of Service Protractor vii. Prismatic compass and its use and GPS <p>Field Craft and Battle Craft</p> <ul style="list-style-type: none"> i. Introduction ii. Judging distance iii. Description of ground iv. Recognition, Description and Indication of landmarks and targets
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References

Sr. No.	Title	Author/s	Publisher	Edition	Year
1	A Hand Book of NCC	Major R.C. Mishra and Sanjay Kumar	Kanti Prakashan, Etawah (U.P.)		
2	NCC OTS Precise	N.L.Gupta	Mohit Publication, New Delhi		
3	Humanistic Tradition of India				
4	Tradition Never Dies	Lt. Col. Bawa Singh	Lalvani Publication		

Evaluation Scheme

Internals

Active Participation, Turn Out, Punctuality, Leadership Qualities	Drill / Word of command / Adventure Training	Project Report and Presentation	Total
10	10	20	40

Theory Examination : Suggested Format of Question paper

Duration : 2 Hours

Total Marks : 60

- All questions are compulsory

Q. 1	Answer <i>any two</i> of the following	16
a	Based on Unit I	
b	Based on Unit I	
c	Based on Unit I	
d	Based on Unit I	
Q. 2	Answer <i>any two</i> of the following	16
a	Based on Unit II	
b	Based on Unit II	
c	Based on Unit II	
d	Based on Unit II	
Q. 3	Answer <i>any two</i> of the following	16
a	Based on Unit III	
b	Based on Unit III	
c	Based on Unit III	
d	Based on Unit III	
Q. 4	Answer <i>any two</i> of the following	12
a	Based on Unit I	
b	Based on Unit II	
c	Based on Unit III	

** (4 questions of 8 marks each / 8 questions of 4 marks can be asked.)

Marks Distribution and Passing Criterion for Each Semester

Theory				
Course Code	Internal	Min marks for passing	Theory Examination	Min marks for passing
BNBUNCC1T1	40	16	60	24
BNBUNCC1T2	40	16	60	24

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