



UTKAL UNIVERSITY  
VANI VIHAR: BHUBANESWAR-751004  
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**NOTIFICATION**

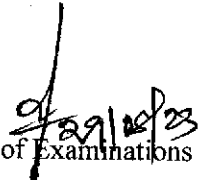
No.EC-IV/ 311

/2023

Date: 31/08/2023

It is for the information of all concerned that as per the decision of the Academic Council meeting held on 30.05.2023, NCC as a General Elective Credit Course in the curriculum at Under Graduate level has been implemented from the Academic Session 2023-24. Those colleges having NCC Wing, their students may choose NCC as a General Elective Credit Course with four papers at the Under Graduate level. The comprehensive syllabus for NCC General Elective Credit Course is enclosed herewith for your reference. This is also applicable to all Autonomous Colleges under Utkal University those have NCC Wing.

Those colleges without NCC Wing, they are not allowed to choose the above General Elective Credit Course. They will adopt the previous practice.

  
Controller of Examinations

No.EC-IV/

312(5)

/2023

Date: 31/08/2023

1. The Deputy Director, PTC, Higher Education Department, Govt. of Odisha, Bhubaneswar for kind information with reference to your letter No.HE-PTC-MISC-0012-2023/3829/HE, dated 30.01.2023;
2. The Principals of all +3 Degree Colleges including Self Financing Colleges affiliated under Utkal University for information and necessary action;
3. The Principals of all Autonomous Colleges affiliated under Utkal University for information and necessary action;
4. The Director, DDCE, Utkal University for information and necessary action;
5. The Programmer, UUeMS DDCE, Utkal University for information and necessary action.

  
Controller of Examinations

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**GOVERNMENT OF ODISHA  
HIGHER EDUCATION DEPARTMENT**

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No.: 3829 /HE, Dated: 30/01/2023  
HE-PTC-MISC-0012-2023

From

Rajata Kumar Mansingh, OES-I  
Deputy Director, PTC

To

The Vice-Chancellors (All State Public Universities coming under  
Higher Education Department)

The Principals (Autonomous Colleges coming under Higher Education  
Department)

Sub: Implementation of NCC as a General Elective Course at UG Level from the  
Academic Session 2023-24


Madam/Sir,

In inviting a reference to the subject cited above, I am directed to inform you that after careful consideration, Government has been pleased to introduce NCC as one of the General Elective Courses in all Universities and Autonomous Colleges of the State as per model syllabus prescribed by UGC at Under Graduate level. The comprehensive syllabus for NCC General Elective Credit Course is enclosed as Annexure-'A'.

Therefore, you are requested to adopt "NCC" as a General Elective Credit Course in the curriculum at Under Graduate Level from the Academic Session 2023-24 after the approval by their respective statutory academic bodies such as Board of Studies and Academic Council.

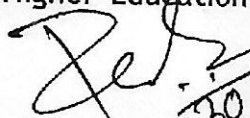
This is for your kind information and necessary action.

Yours faithfully,

  
30.01.2023  
Deputy Director

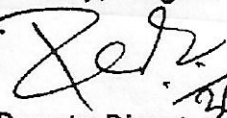
Memo No. 3830 /HE, Dated: 30/01/2023

Copy forwarded to the P.S. to the Hon'ble Minister, Higher Education  
Department for kind information of Hon'ble Minister.

  
30.01.2023  
Deputy Director

Memo No. 3831 /HE, Dated: 30/01/2023

Copy forwarded to the Pr. P.S. to the Principal Secretary, Higher  
Education Department for kind knowledge of Principal Secretary.

  
30.01.2023  
Deputy Director

Memo No. 3832 /HE, Dated: 30/01/2023

Copy forwarded to the Vice- Chairperson, OSHEC, Odisha Text Book Bureau, A-11, Suka Vihar, Bhubaneswar for kind information.

  
30.01.2023  
Deputy Director

Memo No. 3833 /HE, Dated: 30/01/2023

Copy forwarded to All RDEs (Bhubaneswar/Sambalpur/Berhampur/Balasore/Jeypore) for kind information and necessary action.

  
30.01.2023  
Deputy Director

## Annexure-A

### NCC As General Elective at Under Graduate Level

#### FOR UNDER-GRADUATE COURSES ARTS, SCIENCE & COMMERCE (2023-24)


##### Programme Outcome:

1. To know about the history of NCC, its organization, acquire knowledge regarding the incentives of NCC for their career prospects & be aware of the duties and conduct of NCC cadets.
2. To understand the concept and essence of National Integration and the factors affecting National Integration, the role of eminent leaders in shaping India.
3. To learn drill and understand its foundational role in inculcating discipline, command and obedience to lead team or group towards achieving a common objective.
4. To learn the framework of human body & concept of hygiene, and acquire basic knowledge of first aid.
5. To understand factors involved in personality development and to learn and gain an enhanced understanding about essential life skills.
6. To gain an understanding of disaster management, essential services, fire fighting and civil defence organization.
7. To understand the concept and importance of Social service and social security schemes and Govt. initiatives.
8. To gain an insight on Leadership qualities, and learn of the accomplishments of famous military personnel during various conflicts.
9. To be acquainted with skills used in Army such as map reading and aspects of field craft and battle craft.
10. To gain an in depth understanding of natural resources, need and strategies for conservation and management of natural resources.

##### Programme Specific Outcomes:

Students will be: -

1. Empowered citizens of the nation, have the desire to serve the country, contribute meaningfully to society.
2. Able to respect and appreciate the diversity of Indian culture.
3. Trained to be effective leaders.
4. Able to use life skills to become well balanced individuals able to cope with, and effectively handle problems encountered in daily life.
5. Productive team members and learn to work together for achieving common goals.
6. Able to value the importance of undertaking social services and community development activities.
7. Appreciate the importance of preserving natural resources and be sensitive to environmental issues.

  
30.01.2023

## References

1. [https://cbseacademic.nic.in/web\\_material/doc/CADET&%20ANO%20HAND%20BOOK%202017/Trg%20Manuals/Common/Cadets-SD-SW.pdf](https://cbseacademic.nic.in/web_material/doc/CADET&%20ANO%20HAND%20BOOK%202017/Trg%20Manuals/Common/Cadets-SD-SW.pdf)
2. [https://cbseacademic.nic.in/web\\_material/doc/CADET&%20ANO%20HAND%20BOOK%202017/Trg%20Manuals/Specialised/Army/Cadet-SDSW-SPECIAL%20SUBJECT.pdf](https://cbseacademic.nic.in/web_material/doc/CADET&%20ANO%20HAND%20BOOK%202017/Trg%20Manuals/Specialised/Army/Cadet-SDSW-SPECIAL%20SUBJECT.pdf)
3. DG NCC Training APP  
[https://play.google.com/store/apps/details?id=com.chl.ncc&hl=en\\_IN&gl=US](https://play.google.com/store/apps/details?id=com.chl.ncc&hl=en_IN&gl=US)  
Authorised free app released by HQ Directorate General NCC to engage NCC cadets for training, skill development and news developed by CHL Softech in conjunction with CSR programme of FairGaze. This app will help the NCC cadets to access NCC training materials on their mobile.
4. NCC: Handbook of NCC Cadets for 'A', 'B' and 'C' Certificate Examinations by R.K.Gupta, Ramesh Publishing House.
5. Psychology-Indian Subcontinent Edition-class- XII by Robert A. Baron & Girishwar Misra. 5<sup>th</sup> Edition. Pearson Publication.
6. Abnormal Psychology -The problem of maladaptive behavior by G. Sarason Irwin & R. Sarason Barbara. 11<sup>th</sup> Edition. Pearson Publication.

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30.01.2023

## Model Syllabus

### SEMESTER-1

#### Paper: GE-I

FULL MARK-100 (Mid-Term=15+End Term=60+Practical= 25  
(Credit-6)

#### Unit -I

**Introduction to NCC:** Aims, Objectives, History, Evolution of NCC in India.

**NCC :** Motto of NCC, NCC song, Organizational structure , Training& NCC Camps, Duties & Responsibilities of NCC cadets, Incentives for NCC.

**Armed Forces :**Basic Organization for Armed forces, Command centres of Army, Navy and Air Force, Badges & Ranks, Modes of Entry into Army, Honors & Awards

#### Unit-II

**National Integration:** Definition, Importance, Necessity and Factors affecting National Integration in India. Concepts of Unity in Diversity, Role of NCC in Nation Building, Threats to National Security.

**Leaders of India:** Brief Biography and Contributions of Mahatma Gandhi, Bhagat Singh, Jawaharlal Nehru, Lal Bahadur Shastri, Dr.B.R. Ambedkar, Subhash Chandra Bose, Sardar Ballavbai Patel.

**Indian Neighbours :** Bangladesh, China, Pakistan, Bhutan, Nepal, Myanmar, Sri Lanka

#### Unit-III

**Drill :** Foot Drill - Importance and Benefits of Drill, Words of Command, General-Attention, Stand-at-ease (Savdhan, Vishram), Turning (daen, baen, picche), Saluting ( daen, baen, saamne), Marching (tezchal, dheerechal, tham) Nikat&Khuli line, Visarjan , line tod, Squad formation, Squad Drill and Drill with Arms, Ceremonial Drill :Guard mounting.

**Yoga -** Introduction, Benefits and Exercises (Asanas).

#### Unit IV

**Structure and Function of Human Body:** Digestive system, Respiratory system, Circulatory system, excretory system, Reproductive system, Endocrine system

**Hygiene and Sanitation:** Types of Hygiene (Personal and Environmental), Measures for effective sanitation, Importance and benefits

**Prevention of Diseases:** Communicable Diseases, Non-Communicable Diseases, Preventive measures

**First-aid and common medical emergencies:** Concept and aims of First-aid, Common emergencies requiring first-aid (Cut/scrape, burn, insect bite, choking, drowning, electric shock, sprains/strains/tears, fractures, heart attack

**Dressing of wounds:** Importance, need and principles of wound dressing, Tools and materials required

#### Suggested Practicals:

1. Identification of Commissioned Officers' Rank by Shoulder insignia

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2. Drill - Perform Foot drill, Able to give and follow different words of command
3. Demonstration of Yoga asana
4. Demonstration of CPR, Dressing of wounds.

**Course Outcome (CO):** The students will be able to :

1. Understand history, organization and role of NCC in inculcating values that mould youth into empowered citizens of the nation.
2. Understand the requirement for National Integration, learn to Appreciate the spirit of unity in diversity, the importance of social-cultural fabric of the country.
3. Understand the importance of discipline in a cadet, learn coordination and group work, improve posture and bearing, instil pride in uniform and spirit of patriotism.
4. Value the importance of physical and mental health.
5. Render basics first aid.

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**SEMESTER-2**  
**Paper: GE-II**  
**FULL MARK-100 (Mid-Term=15+End Term=60+Practical= 25**  
**(Credit-6)**

**Unit-I**

**Personality Development:** Introduction to Personality development, Factors shaping/influencing personality, Types of Skills, Core Life Skills.  
Concept of Self Awareness, Dimensions of self-awareness  
Empathy- definition, importance, how it differs from sympathy  
Concept & Characteristics of Critical Thinking & Creative Thinking  
Decision Making & Problem Solving- Meaning and Process.

**Unit-II**

**Disaster Management Organizations:** Organizational structure and role of NDMA, NDRF

**Types of Disaster:** Natural, Man-made. Assistance by NCC during disasters  
**Essential services and their maintenance:** Categories of essential services, Types of maintenance required, Role of NCC Cadets in maintaining essential services  
**Fire services and fire fighting :** elements involved in creation of fires, modes of spread of fires, Prevention of fires, Basis of extinguishing fires, fire fighting parties, fire fighting equipments, fire extinguishers  
**Civil Defence organization:** what it is, measures under civil defence, civil defence services

**Unit-III**

**Social Service:** What constitutes social service, basics of social service, types of social service activities, weaker section of society and their needs, Contribution of NCC Cadets.

**Rural Development Programmes :** Need for Rural Development programmes, objectives of rural development.

**Important rural development programmes :** Their features - Mahatma Gandhi National Rural Employment Guarantee Act, Deendayal Antyodaya Yojana/ National Rural Livelihood Mission , Pradhan Mantri Awas Yojna, Pradhan Mantri Gram Sadak Yojana, National Social Assistance Programme

**NGO:** What are they, types, contribution to society, top NGOs in India.

**Unit-IV**

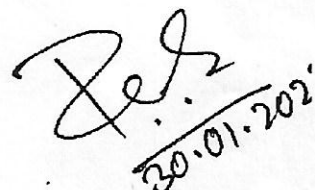
**Maps:** Definition and Types, Introduction to Conventional Signs, Topographical forms of common geographical features,

**Scale :** Definition of Scale, Methods of expressing scale, Grid and Gridlines

**Map Reading:** Cardinal Points and Types of North, Types of Bearing and Use of Service Protactor, Prismatic Compass and its use, GPS and its use, Setting of Map and Finding North

**Suggested Practicals:**

1. Identification of fire fighting equipments
2. Drawing and identification of Conventional Signs

  
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3. Deriving 4 and 6 figure grid reference of given point on map.
4. Plotting given 4 or 6 figure grid reference on map.
5. Setting of Map
6. Finding North.
7. Identify Parts of Prismatic Compass.
8. Deriving Grid bearing, Magnetic Bearing, Back bearing.

**Course Outcome (CO)** The students will be able to :

1. Be aware of critical life skills and learn to apply them in their personal life.
2. Be familiar with different aspects of disaster management, essential services, fire fighting and civil defence organization.
3. Appreciate the need for social service for country's development and how youth can contribute in service to the Nation.
4. Be aware of policies and schemes introduced by the Govt. that impact society at large and focus on social upliftment in particular.
5. Become adept at map reading.

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30.01.2023

**SEMESTER-3**  
**Paper: GE-III**  
**FULL MARK-100 (Mid-Term=15+End Term=60+Practical= 25**  
**(Credit-6)**

**Unit-I**

**Communication Skills :** Barriers to effective communication, Reducing communication gap,

Group Discussions

**Coping with Stress and Emotions :** understanding stress and its impacts, stress management techniques

**Mindset :** What is mindset, How to change your Mindset

**Time Management :** Essentials of Time Management, Time wasters, Principles of Time management

**Social Skills:** Types of Etiquettes, What are manners, How to improve social skills

**Team Work :** Types and characteristics of groups, Importance of group , Types and Characteristics of Team Importance of Team.

**Unit-II**

**Leadership:** Leadership and its types, Important leadership Traits, Indicators of good leadership, development of the indicators of good leadership, Leadership principles, Motivation and factors that motivate

**Moral Values-** what they are ?character traits

**Honour Code&** its concept, tenets of honor code

**Unit-III Field and Battle Craft**

Introduction to Field Craft and Battle Craft

Judging Distance, Methods of judging distance, Under and over estimation of distance

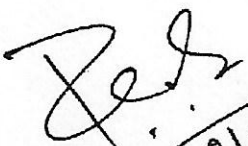
Description of Ground, Indication of landmarks and targets, Methods of Indication of easy target, Methods of indication of difficult target

Observation- why things are seen,, Camouflage-Personal camouflage, equipment camouflage

Concealment- types of cover, correct use of cover

Field signal- signal with hand, weapons, whistles, Field signals as means of giving order, methods to attract attention of troops, Other methods of communication, signals by day, signals by night.

**Unit-IV Biography**

  
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Necessity of studying military history, Biography of Field Marshall

S.H.F.J.Manekshaw, Field Marshall K.M. Cariappa, Marshall of Air Forces Arjan Singh

Biography of War heroes decorated with PVC - Maj Somnath Sharma ,Maj Shaitan Singh, Capt. VikramBatra, Grenadier Yogendra Singh Yadav

**Suggested Practicals:**

1. Judging Distance
2. Field Signals- By Hand/Weapon
3. Indication of Landmark- Description, GLD, Easy target, difficult target

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**Course Outcome (CO)**

The students will be able to :

1. Learn to navigate stressful situation, improve time management and their communication skills.
2. Learn the qualities that make a good leader & learn to imbibe the same qualities in their own life.
3. Gain elementary knowledge of field and battle craft, know practical applications of field craft such as judging distance, concealment, description of target, field signals.
4. Be inspired and motivated through studying life history of renowned Military leaders.
5. Appreciate the grit, courage, discipline and creative tactics that lead to ParamVir Chakra being awarded to renowned war heroes.

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30.01.2023

## SEMESTER-4

Paper: GE-IV

FULL MARK-100 (Mid-Term=15+End Term=60+Practical= 25  
(Credit-6)

### Unit-I Social Service and Community Development Activities

**Social Evils:** Drug abuse, Female foeticide, Dowry, Child abuse, POCSO Act 2012

**Beti Padhao and BetiBachao:** About the scheme, Scope and Benefits of the scheme

**Mission Indradhanush:** National Immunization Schedule, Coverage of Children and Pregnant Women with the relevant vaccination

**Health, Stress and Coping:** Causes, Effect and control of stress, Behavioural and Psychological correlates of Illness; The effects of thoughts and action on health, Promoting wellness: Developing a healthier life style

### Unit-II:

**Road/Rail Travel Safety:** Traffic control organization, Traffic rules and regulations, Importance of traffic awareness

, Causes of road accidents, Road and Rail safety measures, Do's and Don'ts for rail/road safety, planning a journey

**Government's New Development Initiatives-** Aadhaar, BHIM App, Make in India, Start-up India, Skill India, Mudra Bank

**Digital Awareness:** Various digital tools and Apps, Use and application of Apps

### Unit-III

**Natural resources conservation and management-** basic information on natural resources, types of resources, need for management and conservation of natural resources, methods of management and conservation of resources.

**Tree Plantation:** Need and Importance of plantation, Environmental impact

**Water conservation and rainwater harvesting-** need for water conservation, ways to conserve waters indoors, other practices to conserve water, rainwater harvesting and its need, types of rainwater harvesting systems

**Waste management:** types of waste, disposal and management of waste

**Energy conservation:** reasons for increase in energy consumption, energy conservation measures,

**Civic Responsibilities-** what they are, Swachh Bharat Abhiyan, Puneet Sagar Abhiyan - An NCC Initiative.

### Unit-IV

**Battles since Independence:** of Indo-Pak War 1948, 1965, 1971, Kargil War

Chinese Aggression- 1962

Surgical Strikes

**Terrorism:** Terrorist and types of terrorism, causes of terrorism, Aim, funding,

Types of terrorist acts, Counter terrorism strategy

**Adventure Training:** Need, types-Parasailing, Slithering, Rock climbing, Trekking, Cycling.


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**Suggested Practical:**

1. Identification of Road traffic signs and signals.
2. Demonstration of types of Knots.
3. Identification of types of waste.
4. Use of Apps- BHIM.
5. Project on any of the topics taught in syllabus.
6. Poster preparation for social awareness programme.

**Course Outcome (CO)** The students will be able to:

1. Understand various community development activities undertaken by NCC.
2. Be informed about the prevailing safety measures for protection of women and children as well as those relating to travel via road/rail.
3. Be aware of new initiatives promoted by Govt. of India.
4. Understand importance of environment preservation, role of pollution, need for conservation.
5. Learn of the wars India has been engaged in since Independence and threats to sovereignty of the Nation.

  
30.01.2023  
Deputy Director