

22NC201	NCC COURSE-I	SEMESTER II				
PRE-REQUISITE:		CATEGORY	L	T	P	C
		NC	3	0	0	3
Course Objectives:						
1.	To maintain the unity and disciplines to the students					
UNIT I	NCC GENERAL & NATIONAL INTEGRATION AND AWARENESS	9	0	0	0	9
Aims, Objectives and Org of NCC – Incentives to NCC cadets – Duties of NCC Cadets – NCC Camps: Types & Conduct; National Integration: Importance and Necessity – Factors affecting National Integration – Unity in Diversity – Threats to National Security.						
UNIT II	PERSONALITY DEVELOPMENT & LEADERSHIP DEVELOPMENT	9	0	0	0	9
Personality Development Capsule -Self Awareness Empathy, Creative & Creative Thinking, Decision Making - Communication Skills - Group Discussion - Stress emotions, Change Your Mindset, Inter Personal Relations & Team work, Time Managements, Civil Sense - Career Counselling, SSB Procedures & Interview Skills; Leadership Capsule - Traits, Indicators, Motivation, Ethics & Honour code - Case Studies-Shivaji, APG Abdul Kalam & Deepa Malik, Maharana Pratap, Ratan Tata, Kiran Majumdar, Jhansi Ki Rani, Narayan Murty, Prakash Padukone, Tipu Sultan, Rabindranath Tagore.						
UNIT III	DISASTER MANAGEMENT AND HEALTH & HYGIENE	9	0	0	0	9
Disaster Management Capsule- Soch Vichar, Types - Organisation, Capability & Role of NCC Cadets – Fire Service & Fire Fighting – Initiative Training, Organisation Skills, Do's and don't – Natural Disasters, Man Made Disasters; Health & Sanitation – First aid in Common Medical Emergencies, Treatment & Care of Wounds – Introduction to Yoga & Exercises.						
UNIT IV	PRINCIPLES OF FLIGHT & GENERAL SERVICE KNOWLEDGE	9	0	0	0	9
Laws of Motion – Glossary Terms – Bernoulli's Principle – Aerofoil – Forces acting on Aircraft – Lift & Drag – Flaps & Slats – Stall – Thrust; Armed Forces & IAF Capsule – Modes of Entry in IAF, Civil Aviation – Aircraft Recognition – Latest Trends & Acquisitions.						
UNIT V	NAVIGATION, AEROENGINES, AIRCRAFTS & AIRMANSHIP	9	0	0	0	9
Requirements of Navigation – Glossary terms – Maps – Map Reading; Basic Theory – Types of Engines – Piston Engines – Jet Engines – Turbo Prop Engines; Indo Pak war 1971 – Operation Safed Sagar – Famous Air Heroes; Airmanship – Airfield Layout – Rules of the Air – Circuit Procedures – ATC RT Procedures – Aviation Medicine - Survival.						
Total (45L) = 45 Periods						

COURSE OUTCOMES:		Bloom's Taxonomy Mapped
Upon completion of the course, the students will be able to:		
CO1	Acquired knowledge about the history of NCC, its organization, incentives of NCC, duties, different NCC camps	Analyze
CO2	Understand the concept of national integration and its importance	Understand
CO3	Understand the importance disaster management and health and hygiene.	Understand
CO4	Understand the importance principal of Flight and knowledge about armed services.	Understand
CO5	Understand and learn the importance of navigation, Aero engines & Airmanship work.	Understand

COURSE ARTICULATION MATRIX															
CO/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1															
CO2															
CO3															
CO4															
CO5															
Avg															
3 / 2 / 1 – indicates strength of correlation (3 – High, 2 – Medium, 1 – Low)															