

Syllabus for B.Sc. (Hons) Agriculture Year – I (Sem. II)

Subject Code: 16PE0202

Subject Short Name: NSS. /NCC. 2.2

Subject Name: National Service Scheme (NSS-II)/ National Cadet Corps (NCC-II)

National Service Scheme (NSS-II)

Objective:

1. To develop leadership qualities and life competencies among youth for effective decision-making and problem-solving.
2. To promote awareness about health, hygiene, sanitation, and the importance of a healthy lifestyle, including yoga and first aid.
3. To encourage active participation in youth development programs and social initiatives for community welfare.

Credits Earned: 1 Credits (0+1)

Course Outcomes: After completion of this course, Students will be able to

- Students will develop leadership skills and the ability to work effectively in teams for community development.
- They will gain knowledge about health, hygiene, and lifestyle management, including the importance of yoga and first aid.
- They will actively participate in youth development programs, social service activities, and national initiatives like Swachh Bharat Abhiyan.

Teaching Scheme (Hours)			Credits	Theory Marks			Tutorial/ Practical Marks		Total Marks
Theory	Tutorial	Practical		ESE (E)	Mid Sem (M)	Progressive Assessment (PA)	Viva (V)	Term work (TW)	
0	0	2	1	0	30	20	25	25	100

Practical Content:

Unit	Topics	Contact Hours
1	Importance and role of youth leadership	4
2	Meaning, types and traits of leadership, qualities of good leaders; importance and roles of youth leadership, Life competencies	4
3	Definition and importance of life competencies, problem-solving and decision-making interpersonal communication. Youth development programs	4
4	Development of youth programs and policy at the national level, state level and voluntary sector; youth-focused and youth-led organizations	6
5	Health, hygiene and sanitation. Definition needs and scope of health education; role of food, nutrition, safe drinking water, water borne diseases and sanitation (Swachh Bharat Abhiyan) for health; national health programs and reproductive health. Youth health, lifestyle, HIV AIDS and first aid. Healthy lifestyles, HIV AIDS, drugs and substance abuse, home nursing and first aid. Youth and yoga. History, philosophy, concept, myths, and misconceptions about yoga; yoga traditions and its impacts, yoga as a tool for healthy lifestyle, preventive and curative method.	6
	Total	24

Suggested Theory distribution:

The suggested theory distribution as per Bloom's taxonomy is as per follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process.

Distribution of Theory for course delivery and evaluation					
Remember	Understand	Apply	Analyze	Evaluate	Create
25%	25%	20%	10%	10%	10%

Instructional Method:

1. The course delivery method will depend upon the requirement of content and need of students. The teacher in addition to conventional teaching method by white board may also use any of tools such as demonstration, role play, quiz, brain storming, MOOCs etc.
2. The internal evaluation will be done on the basis of continuous evaluation of students in the class-rooms.
3. Practical examination will be conducted at the end of semester for evaluation of performance of students in laboratory/ field.
4. Students will use supplementary resources such as online videos, NPTEL videos, e-courses, Virtual Laboratory.

National Cadet Corps (NCC-II)

Objective:

4. To develop discipline, physical fitness, and teamwork through arms drill, rifle handling, and platoon drill exercises.
5. To understand the characteristics, maintenance, and usage of firearms, including safe handling and firing techniques.
6. To acquire basic skills in map reading, navigation, fieldcraft, camouflage, and battlefield tactics for strategic movement.
7. To enhance knowledge of field defenses, explosives, communication systems, and modern military operations.

Credits Earned: 1 Credits (0+1)

Course Outcomes: After completion of this course, Students will be able to

- Develop discipline, confidence, and leadership skills through structured drill exercises and teamwork.
- Gain proficiency in handling, maintaining, and firing different firearms safely and effectively.
- Demonstrate the ability to read maps, navigate terrain, and use fieldcraft techniques for strategic movement.
- Understand and apply camouflage, concealment, and defensive strategies in simulated military scenarios.
- Develop awareness of modern communication systems, explosives, and security measures for effective field operations.

Teaching Scheme (Hours)			Credits	Theory Marks			Tutorial/ Practical Marks		Total Marks
Theory	Tutorial	Practical		ESE (E)	Mid Sem (M)	Progressive Assessment (PA)	Viva (V)	Term work (TW)	
0	0	2	1	0	30	20	25	25	100

Practical Content:

Unit	Topics	Contact Hours
1	Arms Drill-Attention, stand at ease, stand easy. Getting on parade. Dismissing and falling out. Ground/take up arms, examine arms. Shoulder	4

	from the order and vice-versa, present from the order and vice-versa. Saluting at the shoulder at the halt and on the march. Short/ long trail from the order and vice- versa. Guard mounting, guard of honor, Platoon/Coy Drill.	
2	Characteristics of rifle (.22/.303/SLR), ammunition, fire power, stripping, assembling, care, cleaning, and sight setting. Loading, cocking, and unloading. The lying position and holding.	4
3	Trigger control and firing a shot. Range Procedure and safety precautions. Aiming and alteration of sight. Theory of groups and snap shooting. Firing at moving targets. Miniature range firing. Characteristics of Carbine and LMG.	4
4	Introduction to map, scales, and conventional signs. Topographical forms and technical terms.	4
5	The grid system. Relief, contours, and gradients. Cardinal points and finding north. Types of bearings and use of service protractor. Prismatic compass and its use. Setting a map, finding north and own position. Map to ground and ground to map. Knots and lashings, Camouflage and concealment, Explosives and IEDs.	4
6	Field defenses obstacles, mines and mine lying. Bridging, waterman ship. Field water supplies, tracks and their construction. Judging distance. Description of ground and indication of landmarks. Recognition and description of target. Observation and concealment. Field signals. Section formations. Fire control orders. Fire and movement. Movement with/without arms. Section battle drill. Types of communication, media, latest trends and developments.	4
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