

CONCEPT NOTE FOR OPEN ELECTIVE COURSES

To be taught to Arts and Commerce students through facilitators science dept

DEPARTMENT OF BOTANY.

Title: Semester- I: Gardening and Nursery Management

Semester 2: Herbal Technology

The Department of Botany has stated **Gardening and Nursery Management** for Sem- I and **Herbal Technology** for Sem-II within the Open Elective course. Since the course is for arts and commerce students Nursery management will be providing students with the Practical methods required to take care of the plants in their home and society since Plants being one of the best stress relievers can help to overcome psychological mental stress. It will also emphasizes on the various strategies required to propagate and save the plants which are mentioned in ancient scripts and mythological stories which are now getting endangered

Keeping the commerce student as point of view the syllabus of nursery management is designed in such way that the student will be able to established a plant nursery or they can even avail jobs as a nursery manager after completing the Open Elective Course of 4 Cr.

In semester 2 students would be taught Herbal Technology wherein they will be able to learn basic technique of Herbal Drug extraction and cosmetic preparation thereby enabling them to have the basic skill required to setup small scale companies and become entrepreneur. Additionally, it would help in understanding the basics in identification of ayurvedic Herbal drugs, the plant part used and the medicinal properties associated with it

DEPARTMENT OF MICROBIOLOGY

Title: Semester- I – PUBLIC HEALTH AND SOCIAL SERVICE I

Semester II - PUBLIC HEALTH AND SOCIAL SERVICE II

The course on Public Health and Social Work aims to bridge the gap between two vital disciplines, recognizing the interconnectedness of individual health and the broader social context. It seeks to equip students with a multidimensional skill set that combines public health knowledge and social work strategies. Students will develop a deep understanding of the social determinants of health, family health, tribal health and learn the principles of practicing healthy life-style, community engagement strategies to improve health outcomes and social equity. The course will employ a blended learning approach, combining lectures, case studies, group discussions, practical exercises, and field visits. This course will provide a unique opportunity for the students to enhance their understanding of the dynamic relationship between public health and social work. By integrating these disciplines, they will be empowered to make a meaningful impact on the health and well-being of individuals, families, and communities, fostering a more equitable and inclusive society.

DEPARTMENT OF STATISTICS

TITLE : Semester- I – SIMPLE QUANTITATIVE TECHNIQUES I

Semester II - SIMPLE QUANTITATIVE TECHNIQUES-II

With the advent of Technology and its progress at lightning speed, use of data analysis tools and techniques have become indispensable part of Today's Business world. Presenting, organizing and analysing data using Data Analysis Software is the essence of all data-based decision-making process. Department of Statistics will be doing the training to get introduced to the basic and advanced data analysis tools by offering to the students of Arts & Commerce Faculties, the open elective, simple quantitative techniques at both the semesters of first year under graduate program under nep 2020. students who have natural flair for numbers and wish to handle data would become natural choice for this open elective.

DEPARTMENT OF ZOOLOGY

TITLE : Semester- I Aquarium Practices I

Semester- II Aquarium Practices II

The syllabus on aquarium practices is designed to provide students with a comprehensive understanding of the principles, techniques, and skills necessary for successful aquarium management. With the growing popularity of aquariums for educational, recreational, and aesthetic purposes, there is an increasing demand for knowledgeable professionals who can ensure the well-being of aquatic organisms and create captivating aquatic environments.

The syllabus emphasizes a hands-on approach, enabling students to gain practical skills through laboratory work, field trips, and experiential learning. Additionally, students will explore the ethical considerations and sustainability practices associated with aquarium management, promoting responsible sourcing, conservation efforts, and public education. Furthermore, the syllabus incorporates aspects of communication, teamwork, and professionalism, recognizing the importance of effective collaboration and communication skills in aquarium settings. Students will develop the ability to convey information about aquarium management to diverse audiences, including visitors, stakeholders, and fellow professionals.

Upon completion of this syllabus, graduates will possess the necessary knowledge and skills to excel in various roles within the aquarium industry, including aquarium curators, aquarists, educators, and consultants and thus aid in developing entrepreneurial mindsets. They will contribute to the growth and advancement of the field, ensuring the welfare of aquatic organisms, promoting conservation efforts, and providing engaging and educational experiences for aquarium enthusiasts and the general public.

DEPARTMENT OF PHYSICS

TITLE : Semester- I General Physics for All-I

Semester 2 General Physics for All-2

Department of Physics offers open Elective for students of any discipline with a course titled “General Physics for All-I in SEM-I which gives an idea about concepts of mechanics and friction which we come across in our day-to-day life while doing physical activity. This fundamental concept will study with hands on experiments of demonstration and lab skills, which are there in the dept of physics laboratory.

Where as in SEM-II we introduce open Elective for students of any discipline with a course titled “General Physics for All-II in SEM-II which gives an idea about concepts of waves, thermodynamics and kinetic Theory of gases where learner can study and understand basics of pressure, volume, Temperature dependence phenomenon by performing hands on experiments of demonstration and lab skills, which are there in the dept of physics laboratory along with theory.