

Semester IV- SEC (Biometry)

Course Name: SEC (Biometry)

Credits: 2

Expected Course Outcomes

On completion of this course, students will be able to

- Collect and organize the data for various statistical analyses.
- Apply various techniques in biometry as an analytical tool in the field of environmental science.
- Acquire the basic skills required to analyze and interpret the data obtained.

| Unit (Tutorial Practical) | II / | Biometry |
|---------------------------------|---------|---|
| | | <ol style="list-style-type: none">1. Collection, arrangement and grouping of data; representation of data in the form of bar chart, pie chart, frequency polygon and histogram.2. Determination of Central tendency- calculation of mean, median, mode, standard deviation from the collected data. Calculation of Coefficient of correlation from given data. |

References

1. Text Book of Biostatistics I. (2005). India: Discovery Publishing House Pvt. Limited.
2. Kulkarni, A. P. (2019). Basics of Biostatistics. India: CBS Publishers & Distributors.
3. Mahajan, B. (2008). Methods in Biostatistics: For Medical Students and Research Workers. India: Jaypee Brothers Medical Publishers Pvt. Limited.
4. Pagano, M., Gauvreau, K., Mattie, H. (2022). Principles of Biostatistics. United Kingdom: CRC Press.
5. ESSENTIALS OF BIOSTATISTICS & RESEARCH METHODOLOGY. (2020). (n.p.): Academic Publishers.