Programme	BS Botany	Course Code	Bot-201L	Credit Hours	1

Lab Course Contents

- Collection and preservation of algae from various habitats.
- Identification of algae.
- Preparation of temporary slides.

- Study of various available genera of algae (live and herbarium). For example; *Sargassum, Stechospermum, Padina, Ectocarpus Stychoglosum, Dictyota, Ulva, Culerpa, Helimeda etc and available as seasonal collection.*
- Study of various available genera of bryophytes. For example; *Pellia, Porella,*
- *Riccia,Marchantia, Anthoceros* and *Polytrichum*

Textbooks and Reading Material

Recommended Books:

1. Bold, H.C. and Wynn, M.J 1985. *Introduction to Algae Structure and Reproduction.* Prentice Hall Inc. New York.
2. Lee, R.E. 2008. *Phycology*, 4th Edition. Cambridge University Press, Cambridge.
3. Dawson, E.Y. 1996. *Marine Botany: An Introduction.* Holt, Reinhart and Winstan, New York.
4. Chapman, V.J. and Chapman D.J. 1983. *Seaweeds and Their Uses*. McMillan and Company Ltd. London.
5. Vashishta, B.R. 1991. *Botany for Degree Students: Bryophytes*, 8th Edition. S. Chand and Company, Ltd, New Dehli.
6. Schfield, W.B. 1985. *Introduction to Bryophytes*. MacMillan Publishing Company, Landon.
7. Hussain F. and Ilahi, I. 2004. *A Textbook of Botany*. Department of Botany, University of Peshawar, Peshawar.
8. Sharma, O.P. 2016. *Algae*. MCFraw Hill Education, New Dehli, India.

Teaching Learning Strategies

- Lecture Based Examination (Objective and Subjective)
- Assignments
- Class discussion
- Quiz
- Tests

Assignments: Types and Number with Calendar

- Theoretical/ Innovative
- Practical
- Projection
- Paper reading