AMITY UNIVERSITY
UTTAR PRADESH

COURSE CURRICULUM

Course Title: Plant-Animal Interactions

L	T	P/S	SW/FW	TOTAL CREDIT UNITS
1	0	0	0	1

Course Code:

Credit Units: 01

Level: PG

Course Objectives:
The objective of this course is to describe about the interactions between plants and animals

Prerequisites:
Graduate from Biological science Bachelor degree in Science/Zoology/Botany/Anthropology/Veterinary/Environmental Science/Forestry/ Agriculture/Geography/Natural Resources/Ecology and minor in any of these subjects, and understanding of basics of life sciences.

Course Contents/Syllabus:

	Weightage (%)
Module I	**50**
The emphasis would be on three types of interactions between plants and animals: herbivory, plant defenses, and food selection;	
Module II	**50**
Ecology of seed dispersal and seed predation; Ecology of pollination by animals, and Plant animal interactions in the context of population ecology and community ecology	

Student Learning Outcomes:

Upon completion of the course, students will have developed:

1. Gaining knowledge of the diversity and ecology of interactions of plants with mammals and insects and the underlying evolutionary processes involved
2. Ability to conduct experiments, analysis of results and communicate the implications of the findings in the form of a poster or written report

Pedagogy for Course Delivery:

Class room lectures, PowerPoint presentations, Tutorial sessions, Discussions and Interactions and assignments/tests/term papers/seminars

Assessment / Examination Scheme:

Theory L/T (%)	**Lab/Practical/Studio (%)**	**End Term Examination**
30%	NA	70%

Theory Assessment (L&T):

Continuous Assessment/Internal Assessment					**End Term Examination**
Component (Drop down)	Mid-Term Exam	Project	Viva	Attendance	
Weightage (%)	10	10	5	5	70

References:

1. Howe, H.F. & Westley, L.C. (1988) Ecological Relationships of Plants and Animals Oxford University Press, Oxford.
2. Abrahamson, W. G. (1989). Plant-animal interactions. McGraw-Hill, New York, New York, USA.
3. Futuyma, D. J., and M. Slatkin, editors. (1983). Coevolution. Sinauer Associates, Sunderland, Massachusetts, USA.
4. Herrera, CM, and O. Pellmyr, eds. (2002). Plant-animal interactions: an evolutionary approach. Blackwell Science Ltd., Oxford, UK