ANDHRA UNIVERSITY

PROGRAM PROJECT REPORT

M.Sc. Botany

School of Distance Education

Visakhapatnam-530 003, A.P., India
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1. INFORMATION ON RELEVANCE OF PROGRAM

Introduction:

Andhra University is offering M.Sc. (Botany) program so that students will understand the scope and significance of the discipline

Objectives of the program:

1) To develop interest in Biological Research
2) To develop a thrust to preserve the Natural Resources and Environment
3) To make the students exposed to the diverse life forms
4) To appreciate and apply ethical principles to biological science research and studies.
5) To understand and identification of the flora within field enhances basics of plants application of botany in agriculture is through study of plant pathology.
6) To understand the ultra-structure and function of cell membranes and cell communication.
7) To learn molecular and physiological adaptations in plants in response to biotic and abiotic stress.
8) To understand the classification plant taxonomy, plant ecology, plant anatomy and plant physiology

2. INSTRUCTIONAL DESIGN

Eligibility & Admission Criteria:

B.Sc. with Botany as one of the subjects

Medium and Method of instruction:

The medium of instruction shall be English. The method of instruction shall comprise print and face to face interaction.

Course Material: Comprehensive printed course material, specially designed for self-study, shall be provided to every learner, Softcopy of the Self Learning Material (SLM) will be supplied

to all the learners after confirmation of admission In addition to the course material, the learners are required to read suggested textbooks and articles published in journals.

Academic Counseling: Face-to-face classes are conducted at designated centres in all programs to enable the learners to have interaction with resource persons for clarification of doubts.

Examinations:

Each paper carries 70 marks end theory examinations and 30 marks internal assessment in the form of assignments. Exams are conducted at different affiliated colleges of the University by sending observers from University

Duration: The duration of each theory examination shall be three hours.

3. PROCEDURE OF EVALUATION

The theory papers of end examinations will be evaluated by an different faculty members drawn from University and affiliated colleges.

Internal Evaluation:

Internal evaluation shall be made on the evaluation of the assignments submitted by the learners for 30 marks.

Reappearance:

A learner who has fails in any theory paper of any year shall have to reappear for the examination of that course in the following end examinations.

Betterment:

✓ Learners who have passed in all the courses of a program and who have obtained a Pass or SecondClass are eligible for attempting for Betterment of Grades.
✓ Learners who have already secured a First Class are not eligible for betterment of Grade.
✓ Betterment of Grades is permitted only once and that too within two years of passing.
✓ Learners can appear for betterment of all papers in a year.
✓ New Marks list / Provisional Certificate shall be issued to candidates who have improved their Class aftersubmitting the old Marks List/Provisional Certificate only.

4. Eligibility for the Award of Master of Science (M.Sc.) Degree:

Duration of the program:

The course of study for M.Sc. Program through Distance Learning shall be extended over a period of two academic years. However, a learner may complete the program in not more than four years including the study period.

A learner shall be eligible for the award of M.Sc., if he/she fulfils the following conditions.

- ✓ Registered and successfully completed all the courses.
- ✓ Successfully acquired the minimum required marks as specified in the curriculum.
- ✓ The learners should not have any dues to the University, and
- ✓ No disciplinary action is pending against the learner.

5. GENERAL INSTRUCTIONS:

The academic regulations should be read as a whole for purpose of any interpretation.

- ➢ In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice Chancellor is final.
- ➢ The University may change or amend the academic regulations, scheme of instructions and syllabus at any time and the changes and amendments made shall be applicable to all the learners with effect from a date notified by the University.

6. FEE STRUCTURE: Rs. 17,000/- per annum

7. COURSE STRUCTURE:

Previous

S. No.	Paper	Name of the Paper
1	Paper- I	Paper - I : Biology and Diversity of Algae, Viruses, Bacteria and Fungi
2	Paper - II	Paper - II : Biology and Diversity of Bryophytes, Pteridophytes and Gymnosperms
3	Paper -III	Paper - III : Plant Development, Plant Reproduction, Plant Cell, Tissue and Organ Culture
4	Paper - IV	Paper - IV : Taxonomy of Angiosperms, Plant Resource Utilization and Conservation
5	Paper - V	Cell Biology of Plants, Cytology, Genetics, Evolution and Plant Breeding
6	Practical I	Biology and Diversity of Algae, fungi, bacteria and viruses, bryophytes, pteridophytes and gymnosperms
7	Practical II	Taxonomy of angiosperms, plant development, Plant reproduction, plant resources, utilization and conversation
8	Practical III	Tissue culture, Cell biology of plants, Cytology, Genetics and Plant breading
9		Viva-voce & Assignments

Final

S. No.	Paper	Name of the Paper
1	Paper - VI	Paper - VI: Plant Ecology
2	Paper - VII	Paper -VII: Plant Physiology & Metabolism
3	Paper - VIII	Paper -VIII: Cytogenetics, Chromosome Mapping, Molecular Biology of Plants and Genetic Engineering of Plants and Microbes
4	Paper - IX	Elective : Applied Phycology
5	Paper - X	Elective : Plant Pathology
6	Paper - XI	Elective : Advanced Cytogenetics
7	Paper - XII	Elective : Plant Bio-Systematics
6	Practical IV	Plant ecology, Plant Physiology, Metabolism, Cytogenetics Chromosome mapping, Molecular Biology of plants and genetic engineering
7	Practical V	Applied Phycology
8	Practical VI	Plant pathology
9		Viva-voce & Assignments