ANDHRA UNIVERSITY

PROGRAM PROJECT REPORT

Bachelor of Science (B.Sc.)

(Mathematics, Physics & Computers)

Centre for Distance and Online Education

Visakhapatnam-530 003, A.P., India
Mail id : sdeauvsp@andhrauniveristy.edu.in

Bachelor of Science (B.Sc.)

1. INFORMATION ON RELEVANCE OF PROGRAM :

Introduction:

Andhra University is offering B.Sc. program to develop a strong foundation for the students in the different areas of Science.

Objectives of the program:

- To build a strong attitude in the minds of students to work efficiently and effectively
- Have exposure of complex Mathematics, Physics & Computer courses

2. INSTRUCTIONAL DESIGN:

Eligibility & Admission Criteria:

10+2

Medium and Method of instruction:

The medium of instruction shall be in 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) in both English and Telugu medium 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 different faculty members drawn from University and affiliated colleges.

FOR PASS MINIMUM CGPA/SGPA REQUIRED – 4 SCALE

Range of Marks	91-100	81-90	71-80	61-70	56-60	50-55	40-49	0-39	ABSENT
Grade	O	A+	A	B+	B	C	P	F	AB
Points	10	9	8	7	6	5	4	0	

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 failed in any theory paper of any year shall have to reappear for the examination of that course in the following end examinations.

Betterment:

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

4. Eligibility for the Award of Bachelor of Science (B.Sc.) Degree:

Duration of the program:

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

A learner shall be eligible for the award of B.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. 6,400/- tuition fee per year

7. COURSE STRUCTURE:

SEM – 1

S.No.	Course Code	Course	Credits
1	101	General English – 1	6
2	102	Telugu/Hindi/Sanskrit – 1	6
3	103	F C- 1 : Contemporary India	4
4	104	Fundamentals of Computers	4
SEM – 2			
5	201	Mathematics-Paper –I – Differential Equations and Solid Geometry	6
6	202	Physics-Paper –I – Mechanics Waves and Oscillation	6
7	203	Chemistry-Paper –I Inorganic, Organic Physical and General Chemistry	6
8	204	Mathematics-Paper –I – Practicals on Differential Equations and Solid Geometry	2
9	205	Physics-Paper –I –Practicals on Mechanics Waves and Oscillation	2
10	206	Chemistry-paper - I Practicals on Inorganic ,Organic Physical and General Chemistry	2
SEM – 3			
11	301	General English – 2	6
12	302	Telugu/Hindi/Sanskrit – 2	6
13	303	FC-2: Science & Technology	6
14	304	FC-3 : Environmental Studies	6
SEM – 4			
15	401	Mathematics Paper – II – Abstract Algebra and Real Analysis	6
16	402	Physics Paper – II – Thermo Dynamics and Optics	6
17	403	Chemistry-Paper –II- Inorganic, Organic Physical and General Chemistry	6
18	404	Mathematics Paper – II – Practicals on Abstract Algebra and Real Analysis	2
19	405	Physics Paper – II – Practicals onThermo Dynamics and Optics	2
20	406	Chemistry-paper - II Practicals on Inorganic ,Organic Physical and General Chemistry	2
SEM-5			
21	501	Mathematics Paper – III – Linear Algebra and Vector Calculus	6
22	502	Physics Paper- III – Electricity Magnetism and Electronics	6
23	503	Chemistry-Paper –III- Inorganic, Organic Physical Chemistry	6
24	504	Mathematics Paper – III –Practicals on Linear Algebra and Vector Caliculus	2
25	505	Physics Paper- III – Practicals on Electricity Magnetism and Electronics	2
26	505	Chemistry-paper – III - Practicals on Inorganic ,Organic Physical	2

		Chemistry	
SEM-6			
27	601	Mathematics - Paper – IV – Numerical Analysis	6
28	602	Physics – Paper – IV – Modern Physics	6
29	603	Chemistry-Paper –IV- Physicochemical Methods of Analysis and Drugs formulations pesticides, green chemistry and macro molecules Material science and catalysis.	6
30	604	Mathematics - Paper – IV – Practicals on Numerical Analysis	2
31	605	Physics – Paper – IV – Practicals on Modern Physics	2
32	606	Chemistry-paper – IV - Practicals on Physicochemical Methods of Analysis and Drugs formulations pesticides, green chemistry and macro molecules Material science and catalysis.	2
TOTAL CREDITS			140