

INSTITUTE OF WILDLIFE SCIENCE

Syllabus

Certificate Course in Wetlands Management (CCWM)



UNIVERSITY OF LUCKNOW

Syllabus

Certificate Course in Wetlands Management

Objectives:

- To generate qualified students who can directly get jobs in the allied fields of Wetlands Conservation
- To generate qualified certificate holders who can be part professional organizations working in the field of Sarus and wetlands conservation.
- To generate a team of field experts who can take up jobs related to the environment, wildlife and Biodiversity in educational institutions.
- To generate a skilled certificate holder who can undertake research in the field of Wetlands and Sarus Ecology.

Qualification: 10+2 in any Stream and other eligibility according to admission norms of University of Lucknow.

Seats: 16+4 (sponsored candidates from any Institute, NGOs, Govt. department etc.) =20
Candidates

Duration: 6 months (July-December)

Number of Lecture: 40 Lecture /paper

No of Practical Period: 3 practicals of 2 lecture/week

Selection: Merit based

Certificate Course in Wetlands Management (CCWM) SYLLABUS IN BRIEF

CCWSC

Paper	Code	Lectures	Marks
Wetlands Ecology, Sarus Conservation and Management	CCWM 201	40	100
Practical work and Project Report	CCWMP 201	120	50
TOTAL		160	150

SYLLABUS IN DETAIL

NOTE:

- While teaching, examples from wetlands and Sarus biology should be covered, wherever applicable.
- Case studies (Indian & foreign), wherever applicable should be discussed as a part of the syllabus
- Ensure that students are in touch with latest developments especially with respect to civil society's movements, Government policies, International agreements etc.

THEORY

□ CCWM 201: Wetlands Ecology, Sarus Conservation and Management

Wetlands habitat and Ecological Processes

- General Introduction and Wetlands Ecosystem
- Wetlands Classification
- Wetlands of the World, India and Uttar Pradesh
- Wetlands Vegetation and Succession
- Wetlands Biodiversity
- Wetlands Ecosystem Services
- Wetlands and Climate Change
- Wetlands Degradation & Depletion
- Wetlands Creation and Restoration
- Wetlands and Water Quality

Basics of Sarus Crane and Wetlands Management

- Introduction of Sarus and Features
- Mythological Significance of Sarus Cranes
- Breeding Biology of Sarus Crane
- Sarus Crane Behavioral Activities
- Sarus Conservation & Management
- Issues of Wetlands Conservation and Management
- Wetlands Impacts and Management of Wetlands
- Wetlands Law and Protection

Practical

Note:

- Field visits will be integral part of the Practical. Visits to nearby Sanctuaries, Wetlands area, Ramsar Sites Nursery, Aquaria or any other relevant site must be arranged.
- The report of these visits will be submitted as part of the Practical work.

CCWMP 201

Field Study of Wetlands and Sarus

1. 4 to 6 Field trips for wetlands study. The trip will be day trips
2. Three days' camp for study of Wetlands, Sarus and their habitats
3. Wetlands Bird Photography
4. Wetlands workshops, awareness and capacity building models for wetlands and sarus conservation
5. Preparing PPT and submit a report

QUESTION PAPER PATTERN THEORY

Total Marks – 100

Total duration – Three hours

Total question – 05

Marks for each question – 20

Coverage of each question – each question will correspond to each unit taught in that semester

Compulsory questions – All five questions will be compulsory.

PRACTICAL

Total Marks – 50

Total duration – Five hours

Total questions – 05

Distribution of marks – Question No. 1, 2, and 3 –10 marks each (performance & results)

Question No. 4 – Reports of field visits – 15 marks

Question No. 5 – Viva voice –05 marks