

ST. XAVIER'S COLLEGE, MAHUADANR

Affiliated to Nilamber-Pitamber University



Syllabus

For Certificate Course in Forestry and Wildlife

Course Code: CCFWL

Course Duration: 40 hours

UNIT I: Forest Ecology: Definition Concept of ecosystem, structure and function of ecosystem, biotic and abiotic components, energy flow in the ecosystem, food chain, food web, trophic level. Succession: Definition, course of succession, types of succession mechanism of succession of documentary succession, weed in succession, climax concept in succession, Biome.

(12 hours)

UNIT II: Concept of community, species diversity, methods of sampling forest community. Community ecology: definition, characterization of community; composition, structure, origins and development of community, method of study of community, unit of vegetation classification. Population ecology, population characteristic, population growth, population interactions.


(15 hours)

UNIT III: Definition of Wildlife, Important wildlife sanctuary & National park in India, In-situ & Ex-situ conservation techniques of wildlife, Wildlife conservation projects.

(5 hours)

UNIT IV: Introduction to wildlife, forest & wildlife, important of wildlife & value of wildlife, status of wildlife in India. IUCN revised red list categories, Red Data Book and listing.

(8 hours)


Principal
St. Xavier's College
Mahuadanr