



EC203 Jan 2:0

Ecology: Principles and Applications

Instructor

Sumanta Bagchi
Email: sbagchi@iisc.ac.in

Teaching Assistant

Karthik Murthy
Email: kartikmurthy@iisc.ac.in

Department: CES

Course Time: Tue., Thu, 11:30-12:30

Lecture venue: CES

Detailed Course Page:

Announcements

Brief description of the course

Broad outline for EC 203:

Earth (geology, geography, climate), Ecology and Society, Population Dynamics, Species Interactions, Succession, Food

Webs and Trophic Cascades, Biodiversity and Conservation, Behaviour and Natural Selection, Behaviour and Sexual

selection, Ecosystems, Biogeochemical Cycles, Global Change

Suggested text: Begon, M., C.R. Townsend, and J.L. Harper. Ecology: From Individuals to Ecosystems. 4th Ed.

Wiley-Blackwell.

Prerequisites

None

Syllabus

Broad outline for EC 203:

Earth (geology, geography, climate), Ecology and Society, Population Dynamics, Species Interactions, Succession, Food

Webs and Trophic Cascades, Biodiversity and Conservation, Behaviour and Natural Selection, Behaviour and Sexual

selection, Ecosystems, Biogeochemical Cycles, Global Change

Suggested text: Begon, M., C.R. Townsend, and J.L. Harper. Ecology: From Individuals to Ecosystems. 4th Ed.

Wiley-Blackwell.

Course outcomes

Broad introduction to ecology and its relevance to society

Grading policy

30% assignments, 30% mid-term, 30% finals, 10% class participation

Assignments

Student projects

Resources

Begon, M., C.R. Townsend, and J.L. Harper. Ecology: From Individuals to Ecosystems. 4th Ed.

Wiley-Blackwell.