

Biology 307 – Principles of Ecology

Community Dynamics

I. Zonation: Spatial Variation in Community Structure

II. Succession: Temporal Variation in Community Structure

A. Seral Stages

1) Early Successional versus Late Successional

B. Primary Succession versus Secondary Succession

III. Time and Direction in Succession

A. Climax

B. Cyclic replacement

C. Shifting Mosaic

D. Autosuccession

E. Fluctuations: Nonsuccessional Dynamics

IV. Degradative Succession

V. Succession and Animal Life

VI. Paleosuccession