

Evolution of the Central Appalachian Basin

Geology 230 - Evolution of the Earth

Sheet One

Correlation Instructions

First - Chronostratigraphic Correlation (with red lines). That is, correlate systems (Ordovician, Silurian, Devonian), series (e.g. Cincinnatian, Albian, etc.), Stages (e.g. Blackriverian, Trentonian, Edenian, etc.).

Second - correlate by formation names found in most or all sections. If a formation is present in one local section but not another do not correlate it yet.

Third - correlate the formations that are restricted to only one or a few sections (these are likely to be pinchouts.)

Fourth - correlate facies (depositional environments). Try this first by looking for facies changes *within* formations, then go to all other facies changes. There will be a lot of these.

