8/29 Modern Software Methodologies

Redundancy and Diversity

Redundancy – keep more than one version (backup is available)

Diversity – Provides same functionality in different ways, e.g. different algorithm or language

Won’t suffer from similar types of failures

Components implemented in different languages. Compiler …something

Examples: Redun. Availabliity is critical in marketing (switch over on failure)

Diversity: provide resilience against external attacks

Process activities – Not depends on a single approach, such as testing.

Multiple process activities complement one-another CROSS CHECKING!