## Pavlovian and Instrumental Conditioning

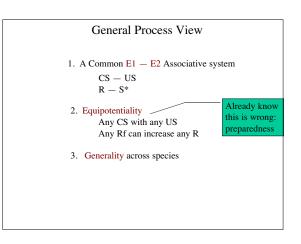
Differences:

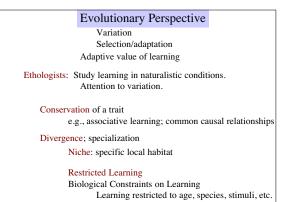
Contingencies: Pavlovian: S—S contingency Instrumental: R—S contingency

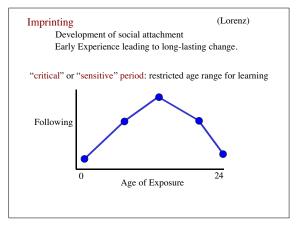
Ease of conditioning different types of behaviors: Pavlovian: autonomic easy Instrumental: skeletal easy

Similarities:

Principles: contiguity, frequency, intensity, stimulus control, etc.







## Challenges to General Process

What is the Rf? Restricted age for learning Variability across species Some stimuli better than others Relatively difficult to reverse

## Adaptive early learning

Common Terms:

Altricial vs. Precocial = Immature vs. relatively mature e.g., rat = altricial, chicken = precocial

## Why is it happening?

Ultimate cause: What is the adaptive value? Why did it evolve?

Proximate cause: What events in the environment cause the behavior?

Example: Imprinting

