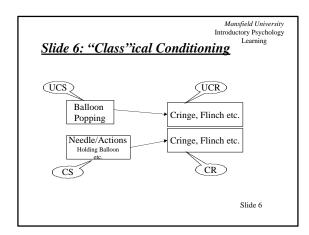


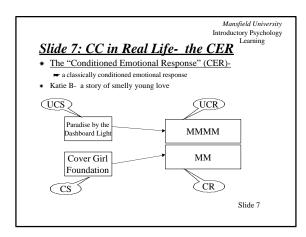


Mansfield University Introductory Psychology Learning • Overhead * Acquisition- the formation of a new conditioned response tendency. • For example, salivate to tone * Trial- a single presentation of a stimulus "pair" to an organism

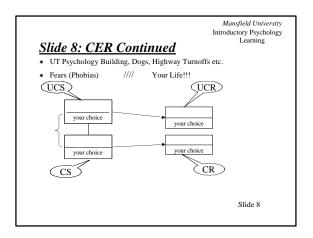
- * Extinction- the gradual weakening of the S-R bonds
- * <u>Spontaneous Recovery</u>- reappearance of an extinguished response after a period of non-exposure to the CS



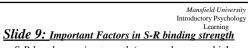




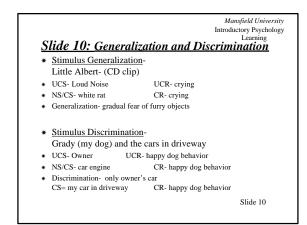


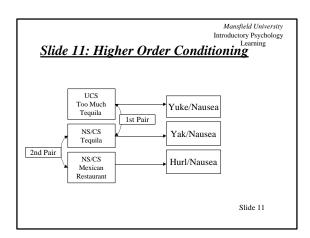


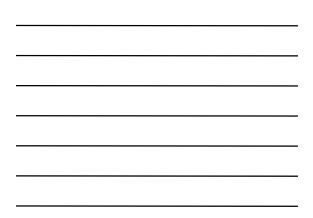


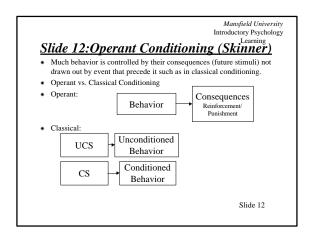


- * *S-R bonds vary in strength* (wax and wane, which allow us to adapt).
- * <u>Temporal Contiguity</u>- time association between two events
- * <u>Neutral Stimulus Novelty-</u> must be unusual or particularly powerful to be linked to UCS











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ning Slide 13: Terms of Operant Conditioning

- * <u>Reinforcement</u>- consequences following behavior that increases the likelihood of that behavior being repeated in the future.
- * Punishment- consequences following behavior that decreases the likelihood of that behavior being repeated in the future.

Slide 13

Mansfield University Slide 14: Operant Terms Continued * <u>Rate of Response</u>- strength of learned response (remember no S-R bond as in CC, more of a R-S bond). * Acquisition- developing a new response tendency

- * Extinction- gradual weakening of response ➡ What would cause this?
- * Shaping- the reinforcement of closer and closer approximations of the desired response.

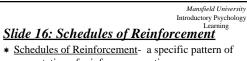
Slide 14

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Slide 15: Positive/Negative Reinforcement

- * Positive Reinforcement- increases response tendency by presenting a rewarding stimulus. • [Class exercise x2]
- * <u>Negative Reinforcement</u>- increases response tendency by removing an aversive/unpleasant stimulus.

◆ [Class exercise x2]



- presentation of reinforcers over time. Continuous Reinforcers
 - ➡Intermittent Reinforcers
- * Which would be more existent to extinction?

Slide 16

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- Slide 17: Schedules (cont.)
- * Ratio Schedules- rate of reinforcement determined by number of appropriate responses.
- * Fixed Ratio [FR]- circus prizes, raffle contests, piecework, mouse-clicking.
- * Variable Ratio [VR]- slot machines, internet surfing (?)
- * Interval Schedules- rate of reinforcement determined by first response after a time interval has passed.
- * Fixed Interval [FI]- checking email on university server that updates every 10 minutes.
- * Variable Interval [VI]- checking for slide notes on internet

Slide 17

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Slide 18: Neg. Reinforcement & Punishment

- * Quick Quiz
- * Negative Reinforcement- increases response tendency by removing an aversive/unpleasant stimulus.
- * Punishment- consequences following behavior that decreases the likelihood of that behavior being repeated in the future.
 - · Anything that leads to a weakened response tendency

<u>Slide 19: Punishment</u>

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- * Effective use of:
- * Apply swiftly after unwanted behavior
- * Severe enough to be effective
- * Consistent application after unwanted behavior
- Explain punishment
- * Minimize physical punishment, WHY?
 - general suppressive effect.modeled (observational learning) --> future aggression.
 - ← often strong emotional backlash focused on source.