Psych 101
Learning

How do we learn?
Learning
A relatively _____________________________ in an organism’s behavior due to experience
3 main types
_____________________________ conditioning
Operant conditioning
_____________________________ learning

Association Learning
Learning a basic _____________________________ between two things

Ivan Pavlov
Noticed that when he walked into the room to feed dogs, they were already salivating
Why would this be?
Food causes _____________________________
No food was present… why are the dogs salivating?

Association between
Pavlov entering the room = dog’s get food
This is _____________________________!!
Classical Conditioning

Terminology
_____________________________ Stimulus (UCS)
stimulus that unconditionally--automatically and naturally--triggers a response
Unconditioned Response (UCR)
unlearned, naturally occurring response to the unconditioned stimulus
_____________________________ Stimulus (CS)
originally irrelevant stimulus that, after association with an unconditioned stimulus, comes to trigger a conditioned response
Conditioned Response (CR)
learned response to a previously neutral conditioned stimulus

Again…
Unexpected Associations

Timing is everything…
How should the US and the CS be presented? Any particular ordering?
Ideally: _____________________________

Other ideas
Extinction
Playing CS with no US
The response (CR) _____________________________

**Spontaneous Recovery**
The CS elicits a _____________________________ response (CR) after time has passed and after extinction

**Well, how specific is the learning?**

**Generalization**
- The tendency to respond to a CS that is similar to the _____________________________ CS that the animal was trained on

**Discrimination**
- The ability to tell the difference between certain aspects of the learned association

**Examples: Generalization**

**Examples: Discrimination**

**Associations have to make sense…**
Rats are more likely to learn an association between _____________________________ and nausea than light and nausea
Also they are more likely to learn to associate _____________________________ and shock than food to shock