**Instrumental Conditioning 1 (Module)**

**Module: Instrumental Conditioning**

**Subtopic: Instrumental Conditioning  
-Instrumental Conditioning:** the learning of a contingency between behaviour and consequence

**Subtopic: Thorndike  
-Thorndike’s Experiment:** measured time it took cat to learn to open door by pulling string

**Subtopic: The Puzzle Box  
-**frequency of random behaviours gradually decreased over time  
-suggests that animals follow a simple stimulus-response type process with little credit for consciousness

**Subtopic: The Law of Effect  
-Stamping In:** behaviours like pulling the role were stamped in because they were followed by the favourable consequence of access to food  
-**Stamping Out:** random behaviours such as turning in a circles  
-eventually, general process leads to refinement and the cat learns the contingency between the specific behaviour of rope pulling and the specific consequence of food reward  
**-The Law of Effect:** behaviours with positive consequences are stamped in  
-those with negative consequences are stamped out

**Module: Types of Instrumental Conditioning**

**Subtopic: Four Consequences  
-**presentation of a positive reinforcer, presentation of a negative reinforcer  
-removal of a negative reinforce, removal of a positive reinforce

**Subtopic: Reward Training  
-**presentation of a positive reinforcer🡪reward training  
-presentation of a negative reinforcer🡪punishment  
-must consider ethics of experiencing fear or pain in the recipient  
-removal of a negative reinforcer🡪 escape training  
-removal of a positive reinforce🡪omission training  
-version of omission training includes classic time-out

**Subtopic: Contingencies  
-**learning the contingency between a response and its consequence  
-graphing response (cumulative recorder)

**Subtopic: Autoshaping  
-**animal, etc. will learn contingency on own if placed in the environment

**Subtopic: Shaping  
-**complex behaviour can be organized into smaller steps which gradually build up to the full response we hope to condition  
-each of these steps can be reinforced through rewards training