

**SYLLABUS**

**Psychology 121 - Animal Cognition**

| Date | Day | Lecture | Topic                                    | Reading             | Problem Set due |
|------|-----|---------|--|---------------------|-----------------|
| TBD  |     | 1       | Introducing animal cognition             | 1:1-9               |                 |
| TBD  |     | 2       | How it evolved as a discipline           | 1:9-28              |                 |
|      |     |         | Discussion Section                       |                     | No. 1           |
| TBD  |     | 3       | The evolution of sensory systems         | 2:32-44             |                 |
| TBD  |     | 4       | Perceiving and attending to stimuli      | 2:50-65             |                 |
|      |     |         | Discussion Section                       |                     | No. 2           |
| TBD  |     | 5       | Memory                                   | 3:69-85             |                 |
| TBD  |     | 6       | Memory in food-storing animals           | Clayton             |                 |
|      |     |         | Discussion Section                       |                     | No. 3           |
| TBD  |     | 7       | Classical and operant conditioning       | 4: var              |                 |
| TBD  |     | 8       | Specializations in learning              | 4: var              |                 |
|      |     |         | Discussion Section                       |                     | No. 4           |
| TBD  |     | 9       | Spatial orientation                      | 5:146-161           |                 |
| TBD  |     |         | <b>Midterm 1: Lectures 1-8</b>           |                     |                 |
|      |     |         | Discussion Section                       |                     | None            |
| TBD  |     | 10      | Cognitive maps                           | 5:161-181           |                 |
| TBD  |     | 11      | Measuring time and number                | 6                   |                 |
|      |     |         | Discussion Section                       |                     | No. 5           |
| TBD  |     | 12      | Making decisions                         | 7                   |                 |
| TBD  |     | 13      | Tools and causality                      | 8                   |                 |
|      |     |         | Discussion Section                       |                     | No. 6           |
| TBD  |     | 14      | Perceptual categorization and concept    | 9:271-289           |                 |
| TBD  |     | 15      | Social identification and categorization | 9:289-299           |                 |
|      |     |         | Discussion Section                       |                     | No. 7           |
| TBD  |     | 16      | Mechanisms of social learning            | 13:391-404; 407-413 |                 |
| TBD  |     | 17      | Social competence                        | 10: 309-320         |                 |
|      |     |         | Discussion Section                       |                     | No. 8           |
| TBD  |     |         | <b>Midterm 2: Lectures 9-16</b>          |                     |                 |
| TBD  |     | 18      | Beliefs about others                     | 10:320-336          |                 |
|      |     |         | Discussion Section                       |                     | None            |
| TBD  |     | 19      | Prosociality: the importance of kin      | 11:339-346          |                 |
| TBD  |     | 20      | Fairness and cooperation                 | 11:346-363          |                 |
|      |     |         | Discussion Section                       |                     |                 |
| TBD  |     | 21      | Personality                              | PDF                 | No. 9           |
| TBD  |     | 22      | Signals and honesty                      | 12:366-376          |                 |
|      |     |         | Discussion Section                       |                     | No. 10          |
| TBD  |     | 23      | Languages and referential signals        | 12:376-387          |                 |
| TBD  |     | 24      | Animal Cultures                          | 13:413-416          |                 |
|      |     |         | Discussion Section                       |                     | No. 10          |
| TBD  |     |         | <b>Thanksgiving Holiday</b>              |                     |                 |
| TBD  |     | 25      | Animal cognition: future challenges      | PDF                 |                 |
| TBD  |     |         | <b>Midterm 3 Lectures 17-24</b>          |                     |                 |