

**Genes & Animal Behavior 2011**

**BIOL-GA.1082**

**4 credits**

**Mon / Wed 11-12.15**

**Silver 1003**

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**Office hours: Monday 2-3.45pm, Brown 1055**

| <b>Class</b> | <b>Date</b> | <b>Topic</b>                                |           |
|--------------|-------------|---|-----------|
| 1            | Wed 9/7     | Introduction                                |           |
| 2            | Mon 9/12    | Circadian Rhythms 1                         |           |
| 3            | Wed 9/14    | Circadian Rhythms 2                         | (Paper 1) |
| 4            | Mon 9/19    | Circadian Rhythms 3                         | (Paper 2) |
| 5            | Wed 9/21    | Learning & Memory 1                         |           |
| 6            | Mon 9/26    | Learning & Memory 2                         | (Paper 3) |
| 7            | Wed 9/28    | Learning & Memory 3                         |           |
| 8            | Mon 10/3    | Learning & Memory 4                         | (Paper 4) |
|              |             | & Review of Classes 1-8                     |           |
| 9            | Wed 10/5    | <b>TEST 1 (in class)</b>                    |           |
|              | Mon 10/10   | <i>No class - Columbus Day</i>              |           |
| 10           | Wed 10/12   | Social behavior: Mating 1                   |           |
| 11           | Mon 10/17   | Social behavior: Mating 2                   | (Paper 5) |
| 12           | Wed 10/19   | Social behavior: Aggression 1               |           |
| 13           | Mon 10/24   | Social behavior: Aggression 2               | (Paper 6) |
| 14           | Wed 10/26   | Social behavior: Mood 1                     |           |
| 15           | Mon 10/31   | Social behavior: Mood 2                     | (Paper 7) |
| 16           | Wed 11/2    | Drugs & behavior 1                          |           |
| 17           | Mon 11/7    | Drugs & behavior 2                          | (Paper 8) |
| 18           | Wed 11/9    | Decoding neural circuits 1                  |           |
| 19           | Mon 11/14   | Decoding neural circuits 2                  | (Paper 9) |
| 20           | Wed 11/16   | Advice on Final papers & Presentations      |           |
|              |             | & Review of Classes 10-20                   |           |
| 21           | Mon 11/21   | <b>TEST 2 (in class)</b>                    |           |
| 22           | Wed 11/23   | Final paper preview presentations           |           |
| 23           | Mon 11/28   | Human Behavioral Genetics 1 (presentations) |           |
| 24           | Wed 11/30   | Human Behavioral Genetics 2 (presentations) |           |
| 25           | Mon 12/5    | Human Behavioral Genetics 3 (presentations) |           |
| 26           | Wed 12/7    | Human Behavioral Genetics 4 (presentations) |           |
| 27           | Mon 12/12   | Human Behavioral Genetics 5 (presentations) |           |
| 28           | Wed 12/14   | Overview / Discussion                       |           |

Final paper due 10am, Monday 12/19. There is no final exam.

The final grade will be given by combining the following:

25% for Class Participation

20% for Test 1

20% for Test 2

20% for Final paper

15% for Final presentation

There is no textbook - papers will be posted on Blackboard.