

Psychology 2600B Brain and Behavior

Spring 2006

Instructor: Dr. Robbin Gibb, Office: EP 1235a Canadian Centre for Behavioural Neuroscience

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Text: Kolb, B. & Whishaw, I.Q., An Introduction to Brain and Behavior, 2nd Edition, Worth Publishers (This text can be purchased in the book store.) Class Tu/Thur: 9:25-10:40. Classroom L1060

1. This course is an introduction to the study of the brain, with an emphasis upon the concepts in brain and behavior.

2. There is a 5-minute quiz every week (before the lecture) based upon the previous week's lectures.

Quizzes will be worth 30% of the course grade. There will be no make-up quizzes. Quizzes will be returned in the following class. A quiz usually consists of three short answer questions. There will be 12 quizzes and the quiz mark will be based on the best 11 out of 12. If you are unable to write a quiz due to sickness, you may be excused with a doctor's note.

3. The exams will be administered through WebCT. There will be 2 midterms one on **Feb. 2-8th and one on March 7-13th**, each worth **15%** of the course. The first will include Chapters 1-5 and the second will cover Chapters 6-9.

4. **There will be a final worth 40% that is comprehensive** but which will mainly emphasize the portion of the work following the last midterm.

5. The exams will comprise a mixture of multiple choice and matching questions. Quiz questions will be short answer, multiple choice or matching questions.

6. Each topic will receive one to two lectures depending upon chapter complexity.

7. Topic Reading

Tentative Date

1. What are the origins of brain and behavior?

Jan.5

2. How is the brain organized?

Jan.10 & 12

3. What are the units of brain function?

Jan. 17 & 19

4. How do neurons convey information?

Jan. 24 & 26

5. How do neurons communicate?

Jan.31 & Feb.2

6. How does the brain develop?

Feb.7 & 9

7. How do drugs and hormones influence our behavior?

Feb.14 & 16

8. How do we see the world?

Feb.28 & Mar.2

9. How do we hear, talk, and make music?

Mar.7

10. How does the brain produce movement?

Mar.9 & 14

11. What is the cause of behavior?

Mar.16 & 21

12. Why do we sleep?

Mar.23

13. How do we change our behavior?

Mar.28 & Mar.30

14. How does the brain produce complex processes like thinking?

April 4 & 16

15. What happens when the brain misbehaves?

April 11

FINAL

APRIL 17 – APRIL 24

8. Grading: A+ (95+), A (85-94), A- (80-84), B+ (75-79), B (70-74), B- (66-69), C+(63-65), C (59-62), C-(56-59), D+(50-55), D(48-51) F(<48).

9. Consultations: I am available for consultations. See me before or after class, call me, e-mail me, or see me in my office. Email is the most reliable way to contact me to set up a meeting.