

Motivation and Emotion (3MO3)

Fall 2007

Course Outlines

Course Instructor: Dr. Ullal, G.

Contact: Department of Psychology, Neuroscience and Behaviour.

Tel. 21331; email: ullalg@mcmaster.ca

Office Hours: *There are no specific “Office Hours”. Please feel free to email any one of us and make an appointment for any day during the week. Around the mid-term examinations and before the final examination special time-slots will be provided.*

Teaching Assistants:

1. Ayesha Khan akhan@mcmaster.ca
2. Chao He hec4@mcmaster.ca
3. Fougere Phillip fougerpb@mcmaster.ca (PLEASE NOTE: New email ID)
4. Shaw Jordan shawj3@mcmaster.ca

Please indicate the Subject for instance, “3MO3” in the email.

Course Description and Objectives: Why do we do what we do? How do our emotions determine our motivation to do something? What determines our emotions and motivations? We will be approaching such basic questions through evolutionary, physiological, molecular, developmental, clinical and social perspectives. Both human as well as nonhuman behaviours will be examined in the process.

Textbook:

deCatanzaro, D.A. (1999). *Motivation and Emotion: Evolutionary, Physiological, Developmental, and Social Perspectives*. Upper Saddle River, NJ: Prentice Hall.

NOTE: Examinations are based on lectures. The lectures will cover material from the textbook as well as from outside sources. Important PowerPoint slides for the lecture will be posted prior to every class. Students are advised to make their own notes in class.

Assignments Journal articles: Besides the textbook, two journal articles will be reviewed in the course. The PDF format of the papers will be posted at an appropriate time during the course. The home assignment involves reviewing of the following research papers.

1. Panksepp J. and Burgdorf J. “Laughing rats” and the Evolutionary antecedents of Human Joy. *Physiology and Behaviour*. 79, 533-547, (2003).
2. Romanelli F, Cain J., and Smith KM. Emotional Intelligence as a Predictor of Academic and/or Professional Success. *American Journal of Pharmaceutical Education*. 70(3), 1-10, (2006).

NOTE:

- a. Students are required to study the article and address a few questions pertaining to it in the form of home-assignments. The questions will be provided.
- b. Both the assignments together, will be worth **20%** of the final grade.
- c. **The assignments must be submitted to the allotted TA prior to the specified dates.** A penalty of 10% /day will be applied for delayed submission. By 3rd day, the assignment will get a zero. In the event of an illness or any legitimate reasons, an official permission should be routed through the Administration excusing the delayed submission.
- d. The assignments must be typed, with double-line spacing. Emailing of assignments is not permitted.
- e. Language will not be an issue in the marking. Point-form of answers would do.
- f. **Assignment # 1: Dead line: 27th September 2007; TA: Chao He.**
Assignment # 2: Dead line: 22nd November 2007; TA: Ayesha Khan.

Evaluations

1. **First midterm examination:** The midterm examinations will be worth **20%** of the final grade. Only material covered in class in all the lectures prior to 1st midterm examination will be on 1st midterm examination. Besides **multiple choice questions** there will be a few **short answer** type questions comprising of definitions and some important concepts discussed in class.
2. **Second midterm examination:** The midterm examinations will be worth **20%** of the final grade. Only material covered in class in all the lectures after the 1st midterm examination and prior to 2nd midterm examination will be tested. Besides **multiple choice questions** there will be a few **short answer** type questions comprising of definitions and some important concepts discussed in class.
3. **Final examination:** It will be worth **40%** of final grade. It will test the material covered in the entire course with a greater emphasis on what is covered after the 2nd midterm examination. This will be entirely based on **multiple-choice questions (there will not be short-answers on the final examination)**. Dates for the midterm examinations are indicated in the List of Lectures below. Date for the final examination will be determined by the Registrar's Office.
4. **Assignments:** There will be **TWO** home assignments, together worth **20%** of the final grade. They will be based on two journal articles listed below. **They have to be submitted to the TAs by the absolute deadline indicated above as well as in the table of schedule provided below.**

NOTE: A penalty of 10% /day will be applied for delayed submission. By 3rd day, the assignment will get a zero. In the event of an illness or any legitimate reasons, an official permission should be routed through the Administration excusing the delayed submission.

Remarking of Assignments or Short Answers: Requests for remarking of an Assignment or a Short Answer is only considered after a student provides a written request giving the reasons for the request to either, Dr. Ullal or the concerned TA.

MISSED EXAMINATIONS: There will **NOT** be a re-examination for missing any of the midterm examinations. However, if a student misses any examination owing to an illness or any other legitimate reason, the final examination will be rated proportionately higher provided an official permission is routed through the University Administration. No examination will be re-scheduled unless there is cancellation of the class by the University.

CONFLICT OF EXAMINATIONS: Both the midterm examinations are conducted during the regular class-hour. If any other examination conflicts with this examination, please contact the authorities conducting the other examination.

“IMPORTANT ANNOUNCEMENTS”: Important announcements regarding the course will be periodically posted in the **Announcement Box** of the course. Please remain updated.

MCMASTER UNIVERSITY GRADING SCALE:

Grade	Equivalent Grade Point	Equivalent Percentages
A+	12	90-100
A	11	85-89
A-	10	80-84
B+	9	77-79
B	8	73-76
B-	7	70-72
C+	6	67-69
C	5	63-66
C-	4	60-62
D+	3	57-59
D	2	53-56
D-	1	50-52
F	0	0-49

Table of schedule of lecture topics and reading

NOTE

1. Dates of lecture-topics are approximate
2. First midterm examination will cover all material taught in class from Lecture 1 till Lecture 13, inclusive.
3. Second midterm examination will cover all material taught after the 1st midterm examination (Lecture # 14 to 23; both inclusive).
4. Final examination is cumulative of all material taught in the course.

Lecture	Date	Topic	Chapter
1	September 7 th	Introduction and History: Prescientific notions. Emergence of views from physiology, evolution, and experimental psychology. Concepts of instinct, drive, and incentive.	1
2	September 10 th	-Continued-	1
3	September 12 th	-Continued-	1
4	September 14 th	General evolutionary perspective: Survival and reproduction. Natural selection and inclusive fitness maximization. Darwin's view of emotions and body language.	2
5	September 17 th	-Continued- ("Laughing rats" and the Evolutionary antecedents of Human Joy.)	2 Journal article #1
6	September 19 th	-Continued-	2
7	September 21 st	Genetics, learning, and development: Perspectives on individual differences in motivation and emotion, from behavioural genetics and development.	3
8	September 24 th	-Continued-	3
9	September 26 th	General physiological perspective: General structure of nervous and endocrine systems. Autonomic nervous system, peripheral endocrine systems, hypothalamus and pituitary, limbic system, ventricular system, neurochemical systems.	4
10	September 28 th	-Continued-	4 Assignment #1 due
11	October 1 st	-Continued-	4
12	October 3rd	Basic appetitive systems: Foraging, thirst, hunger, and feeding. Homeostasis and growth. Specific appetites	5

		and food aversions.	
13	October 5 th	-Continued-	5
	October 8 th	Holiday (Thanksgiving)	
	October 10 th	1st Midterm Examination	Lectures 1-13
14	October 12 th	Pain and fear: Adaptive value and expression of pain and fear, escape and avoidance. Thermoregulation. Physiological substrates.	6
15	October 15 th	-Continued-	6
16	October 17 th	Reproduction: Reproductive strategies, competition, neurohormonal substrates of various forms of reproductive behaviour.	7
17	October 19 th	-Continued-	7
18	October 22 nd	Arousal, stress, and relaxation: The general adaptation syndrome. Sympathetic and parasympathetic nervous systems. The pituitary-adrenal system. Adaptive and maladaptive consequences of chronic stress.	8
19	October 24 th	-Continued-	8
20	October 26 th	Aggression: Various forms of threat and aggression. Dominance and subordination. Anger and frustration. Sex and species differences. Neuroendocrine substrates.	9
21	October 29 th	-Continued-	9
22	October 31 st	Happiness, sadness, depression, and helplessness: Elation and depression from biological and developmental perspectives. Helplessness and initiative. Limitations to self-preservation.	10
23	November 2 nd	-Continued-	10
	November 5 th	2nd Midterm Examination	Lectures 14 to 23
24	November 7 th	Attachment and love: Mother-child attachment. Familial love and peer bonding. Romantic vs. companionate love.	11
25	November 9 th	-Continued-	11
26	November 12 th	Motivation to learn: Reinforcers and punishers, acquired goals, imitation, incentives, cognitive mediation, need to achieve.	12
27	November 14 th	-Continued-	12
28	November 16 th	-Continued- Direct and Indirect relationships between Emotional intelligence and fatigue in University Students.	12 Journal article #2
29	November 19 th	Conflicting motivation and emotion: Concurrent emotions, hierarchies, conflict resolution.	13
30	November 21 st	-Continued-	13
31	November 23 rd	Social emotions: Embarrassment, shame, guilt, and pride.	14 Assignment #2 due
32	November 26 th	-Continued-	14
33	November 28 th	Catch-up topics	

34	November 30 th	Review Lectures 1-13 (subject to time-constraints)	
35	December 3 rd	Review Lectures 14-32 (subject to time-constraints)	

ACADEMIC INTEGRITY LANGUAGE FOR COURSE OUTLINES

You are expected to exhibit honesty and use ethical behaviour in all aspects of the learning process. Academic credentials you earn are rooted in principles of honesty and academic integrity.

Academic dishonesty is to knowingly act or fail to act in a way that results or could result in unearned academic credit or advantage. This behaviour can result in serious consequences, e.g. the grade of zero on an assignment, loss of credit with a notation on the transcript (notation reads: “Grade of F assigned for academic dishonesty”), and/or suspension or expulsion from the university.

It is your responsibility to understand what constitutes academic dishonesty. For information on the various types of academic dishonesty please refer to the Academic Integrity Policy, located at <http://www.mcmaster.ca/academicintegrity>

The following illustrates only three forms of academic dishonesty:

1. Plagiarism, e.g. the submission of work that is not one’s own or for which other credit has been obtained.
2. Improper collaboration in-group work.
3. Copying or using unauthorized aids in tests and examinations.

Message from the Chair of Psychology

The Instructor cannot be responsible for returning long distance calls from students. Any student wishing to reach an Instructor is invited to e-mail the instructor.