

PSYCH 741: ADVANCED TOPICS: Developmental Neuroscience
Term 2, Winter 2013

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Office: Room 307, Psychology Building
Hours: 12:00 pm to 1:00 pm Wednesdays & by appointment
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Overview: The course is intended to provide an overview of theory and research in the field of Developmental Neuroscience. This class will meet on Wednesday mornings from 9:00 am - 12:00 pm.

Evaluation: Evaluation will be based on six projects involving in-class presentations & written assignments.

Policy Regarding Changes to Course: The instructor and university reserve the right to modify elements of the course during the term. The university may change the dates and deadlines for any or all courses in extreme circumstances. If either type of modification becomes necessary, reasonable notice and communication with the students will be given with explanation and the opportunity to comment on changes. It is the responsibility of the student to check their McMaster email and course websites weekly during the term and to note any changes.

Policy Reminder on Academic Dishonesty: Academic dishonest consists of misrepresentation by deception or by fraudulent means and 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 kinds of academic dishonesty please refer to the Academic Integrity Policy, specifically Appendix 3, located at http://www.mcmaster.ca/senate/academic/ac_integrity.htm The following illustrates only three forms of academic dishonesty: 1) Plagiarism, e.g., the submission of work that is not one's own for which other credit has been obtained; 2) improper collaboration in group work; and 3) copying or using unauthorized aids in tests and examinations.

Policy on Make-Up Projects: Make-up assignments (projects) will be allowed only in the case of extreme circumstances and with proper documentation from your Faculty office.

PSYCH 741: Developmental Neuroscience Course Outline:

WEEK DATE	TOPIC
Jan 9	Lecture: Introduction to Developmental Neuroscience Course outline / Readings Overview of Project 1: New and Exciting
Jan 16	Class Presentations & Discussion – Project 1 Lecture: Dev Neuroscience Methods Overview of Project 2: Topic Exploration - In Depth
Jan 23	Class Presentations & Discussion – Project 2 Lecture: Genes and Brains Overview of Project 3: Video Scrapbook
Jan 30	Lecture: Brain Development Project methods: Video Scrapbook Project in class work- Project 3 - Video Scrapbook
Feb 6	Class Presentations & Discussion – Video Scrapbook Lecture: Brain Development (cont'd) Overview of Project 4: Build a Story
Feb 13	Class Presentations & Discussion – Project 4 - Build a Story Lecture: Vision and Attention Overview of Project 5: Class Group Methods Project
Feb 27	Lecture: Acting on the physical and social worlds Project in class work- Project 5 - Methods Project - design & programming
Mar 6	Project in class work- Project 5 - Methods Project -
Mar 13	Lecture: Learning and Memory Introduction of Project 6: mini-Grant
Mar 20	Draft presentations of Project 6: mini-Grant Lecture: Prefrontal Functions
Mar 27	Lecture: Interactive Specialization mini-Grant - in class work

April 3 Mini Grant Presentations

Lecture: Dev Neuroscience..

Grading Breakdown

10% - Project 1: New and Exciting (combined written & presentation)

10% - Project 2: Topic Exploration - In Depth (combined written & presentation)

20% - Project 3 - Video Scrapbook

10% - Project 4: Build a Story (combined written & presentation)

25% - Project 5: Class Group Methods Project (group grade)

25% - Project 6: mini-Grant (individual written proposal & presentation)