

PHGY 314
INTEGRATIVE NEUROSCIENCE
Course Schedule - Fall 2021

Lecturers: Dr. Maurice Chacron, Co-coordinator Room 1137, McIntyre Bldg., maurice.chacron@mcgill.ca
Dr. Christopher Pack, MNI, Room 896A, christopher.pack@mcgill.ca
Dr. Steve Lomber, Room 1223, McIntyre Bldg., steve.lomber@mcgill.ca
Dr. Melissa Vollrath, Room 1234, McIntyre Bldg., melissa.vollrath@mcgill.ca
Dr. Suresh Krishna, Room 1229, McIntyre Bldg., suresh.krishna@mcgill.ca
Dr. Amir Shmuel, MNI, amir.shmuel@mcgill.ca
Dr. Mark Brandon, Douglas Hospital Research Center, mark.brandon@mcgill.ca

Location: McIntyre Bldg., Room 522 (Palmer Theatre) / **Time:** Mondays, Wednesdays & Fridays from 11:35am - 12:25pm

Date	Day	Lecture Title	Lecture	Lecturer
Sept.01	W	The functional organization of perception and movement chapters 15-16	1	M.C.
03	F	The representation of personal versus extrapersonal space chapters 17-18	2	M.C.
06	M	LABOUR DAY – NO CLASS		
08	W	Learning and Memory: Lessons from Model Organisms chapters 66-67	3	M.C.
10	F	Learning and Memory: Lessons from Model Organisms chapters 66-67	4	M.C.
13	M	Learning and Memory: Lessons from Model Organisms chapters 66-67	5	M.C.
15	W	Learning and Memory: Lessons from Model Organisms chapters 66-67	6	M.C.
17	F	Learning and Memory: Lessons from Model Organisms chapters 66-67	7	M.C.
20	M	Learning and Memory: Lessons from Model Organisms chapters 66-67	8	M.C.
22	W	The Visual System General Overview chapter 25, 26	9	C.P.
24	F	The Visual System chapter 26	10	C.P.
27	M	The Visual System chapter 27	11	C.P.
29	W	The Visual System chapter 27 <i>Term paper topic(s) will be posted on MyCourses. Please see page 2 for details!</i>	12	C.P.
Oct. 01	F	The Visual System chapter 28	13	C.P.
04	M	The Visual System chapter 28	14	C.P.
06	W	Computational Vision	15	C.P.
08	F	Physiological Basis of Cognition chapter 17 (6 th edition)	16	S.K.
11	M	THANKSGIVING – NO CLASS		
13	W	FALL BREAK – NO CLASS		
*14	TH	Physiological Basis of Cognition chapter 17 (6 th edition)	17	S.K.
18	M	Physiological Basis of Cognition chapter 25 (6 th edition)	18	S.K.
20	W	Physiological Basis of Cognition chapter 25 (6 th edition)	19	S.K.
22	F	Physiological Basis of Cognition chapter 56 (6 th edition)	20	S.K.
25	M	Physiological Basis of Cognition chapters 56 (6 th edition)	21	S.K.
27	W	Physiological Basis of Cognition chapters 39 (6 th edition)	22	S.K.
29	F	Spatial Learning	23	M.B.
Nov. 01	M	Spatial Learning	24	M.B.
02	T	Mid-Term Exam from 7:00pm - 8:30pm in the Palmer Amphitheatre Room 522. Please see page 2 for details!		
03	W	Spatial Learning	25	M.B.
05	F	Spatial Learning	26	M.B.
08	M	Spatial Learning	27	M.B.
10	W	Auditory System: Peripheral and Central Processing chapters 30-31	28	M.V.
12	F	Auditory System: Peripheral and Central Processing chapters 30-31	29	M.V.
15	M	Auditory System: Peripheral and Central Processing chapters 30-31	30	M.V.
17	W	Auditory System: Peripheral and Central Processing chapters 30-31	31	M.V.
19	F	Resting State Networks chapter 20	32	A.S.
22	M	Resting State Networks chapter 20	33	A.S.
24	W	Resting State Networks chapter 20	34	A.S.
26	F	Auditory plasticity after loss of function	35	S.L.
29	M	Auditory plasticity after loss of function	36	S.L.
Dec. 01	W	Auditory plasticity after loss of function	37	S.L.
03	F	Auditory plasticity after loss of function	38	S.L.
06	M	TBD		

Thursday, October 14, 2021 follows a “Monday” schedule!

EVALUATION

1. MIDTERM EXAMINATION

The midterm is scheduled for **Tuesday, November 2, 2021** from **7:00pm - 8:30pm** in **Room 522 Palmer Amphitheatre (McIntyre Bldg)**. **The exam will cover material up to and including October 27, 2021** The exam is usually, but not always, multiple choice type questions. Please note that multiple versions of exams will be administered in order to reduce any temptation for copying a more “correct” answer. You will not be permitted to take the actual exam from the exam room. Once the exams have been graded, an **Exam Viewing** will be scheduled.

Students, who for serious reasons (e.g., illness or family affliction) cannot write the **MIDTERM EXAM**, are required to submit supporting documentation to the **Physiology General Office, McIntyre Bldg., Room 1021** within **ONE WEEK** following the midterm exam date (**by Tuesday, November 9, 2021 at 4:00pm**). The note must indicate clearly the reason for being unable to write the midterm exam on **Tuesday, November 2, 2021**. Following submission of a valid note, students will have the option to write a “**Deferred**” exam (***scheduled during the week of November 15, 2021***) or have the final exam count for **80%** of their grade. Students must email the course secretary at undergrad2.physiology@mcgill.ca by **Tuesday, November 9, 2021 at 4:00pm** indicating the option chosen. If no acceptable documentation is provided by the deadline indicated above, the midterm exam will count for **ZERO** and the final exam will count for **48%**.

2. TERM PAPER

Students are to submit an individual written term paper. More details will be provided in the “Introductory” lecture. Term paper topics will be posted via MyCourses on **Wednesday, September 29, 2021**. It is **VERY IMPORTANT** to follow all formatting requirements, as your grade will be lowered. The assignment should be **NO** more than **5 typewritten pages (excluding the cover page), 1.5 line-spaced, Times New Roman font (12 points), with 2cm page margins**. Students are permitted (but not required) to include one (1) additional page containing figures. References are to be included at the end of the document (there is no page limit for references). The assignment is due by **Monday, November 29, 2021 by 4:00pm** and is to be submitted via the “**Assignment**” tab in myCourses. ***There will be a 5% per day mark deduction for late submissions (including weekend days)***. All term paper topics are of similar difficulty and grades will be normalized (up or down) so that they are fair and comparable for each topic.

3. FINAL EXAMINATION

The Final exam will take place during the exam period. It is usually, but not always, multiple-choice type questions. It will cover the entire course, but more questions will be given for post-midterm material so the course will have been uniformly evaluated over the entire term. You will **NOT** be permitted to take the actual exam from the exam room. Please note that multiple versions of exams will be administered in order to reduce any temptation for copying a more “correct” answer. Once the exams have been graded, an **Exam Viewing** will be scheduled.

MARKING SCHEME

The exams will total 80% of the overall final grade – the mid-term will be worth 32% (0.4x80%) and the final will be worth 48% (0.6x80%). The assignment will count for 20% of the final grade.

SUPPLEMENTAL AND DEFERRED EXAMS

The Supplemental exam is worth 80% and the deferred exam is worth the same as the final exam. **PLEASE NOTE:** These exams will differ from the Final exam and permission to write them must be obtained from the Associate Dean of Science (please contact Service Point for more information).

USCAS

- Lizzy Zhang -> yurou.zhang@mail.mcgill.ca
Dr. Chacron, Dr. Pack, and Dr. Shmuel
- Erin Parsons -> erin.parsons@mail.mcgill.ca
Dr. Lomber, Dr. Vollrath, Dr. Krishna & Dr. Brandon

COURSE EVALUATIONS

Course Evaluations will be made available in December 2021 through myCourses.

TEXTBOOK

Kandel, Eric R., et al. Principles of Neural Science, 6/e. New York: McGraw-Hill, 2021

TUTORIAL SERVICE

Tutorial services are available through the Dean of Students (514-398-6011)

McGill University values academic integrity. Therefore all students must understand the meaning and consequences of cheating, plagiarism and other academic offences under the Code of Student Conduct and Disciplinary Procedures (see <http://www.mcgill.ca/srr/honest> for more information).

Every student has the right to write term papers, examinations, and theses in English or French, except in courses where knowledge of the language is one of the objectives of the course.

In the event of extraordinary circumstances beyond the University's control, the content and/or evaluation scheme in this course is subject to change.

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