

PSYC 370 F2021 Course Syllabus

Section 700

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COURSE DESCRIPTION

This course examines the relationship between brain and behaviour. The first part of the course examines topics relevant to brain plasticity, including neurodevelopment, brain damage and learning and memory; followed by a section on the biopsychology of motivation that covers the neural mechanisms of eating, addiction, sexual behaviour and sleep. The final section deals with disorders of cognition and emotion, including stress and psychiatric disorders.

Psychology 370 is a course designed to continue your exploration of the field of Biopsychology. It primarily focuses on the underlying neural mechanisms of some of the most interesting and complex human behaviours. From how the brain develops, to our basic motivations, to how catastrophically the brain can fail us, this course delves into many different aspects of brain and behaviour.

Queen's University's Department of Psychology has a long history of impressive research in the field of biopsychology. From labs looking at neuroendocrinology and the neurobiology of anxiety to investigating cognition in psychological disorders, many researchers in the Department are tackling important biopsychological questions through different techniques and perspectives, and more information can be found on the [Department of Psychology website](#).

UNIVERSITY OPERATING DATES

Sep 30

Tuition due

Sep 7

Classes start

Sep 20

Last day to add courses

Sep 20

Last day to drop courses without financial penalty

Nov 1

Last day to drop without academic penalty

TBD

Last day to submit exam accommodation requests (if applicable)

Dec 3

Classes end

Dec 8-22

Exam Period

LEARNING OUTCOMES

- Build upon the key principles of biopsychology presented in PSYC 271, with a focus on higher cognitive processing.
- Gain an understanding of the complexity of brain and behaviour interactions and how both nature and nurture play important roles.
- Learn to critically evaluate new research in the field of biopsychology.

COURSE MATERIALS

Textbook

Available from the [Queen's Campus Bookstore](#):

- *Biopsychology*, 10th Edition, by John P.J. Pinel, ISBN 9780134567730. That is for the stand alone access code that includes REVEL and the eText. As per Pearson's digital first campaign, there will be no physical copies in the bookstore.

I often have students asking whether the 9th edition or the 8th edition of the textbook will be okay to use. There is a lot of new research in this latest edition, as well as the REVEL multimedia, so it is really up to individual students whether they choose to use an older version, knowing they will be missing out on some information that could be tested on the midterm or final exam. Some students have also asked about using the 10th edition without REVEL access. Again, I think it is beneficial to have access to the multimedia and quizzes but it is up to the individual student.

This course uses a Pearson digital product which contains resources used throughout the semester. The required link below is unique to this course. Here is how to register:

Here's how to access the REVEL materials: For more info please read the following document: [QU PSYC370 F21 Revel Student Registration.pdf](#)

1. Go to [Pearson](#)

2. Sign in to your Pearson Account or create one. If you already had access to REVEL (from PSYC 271) when you go to the new REVEL invitation link for PSYC370, you will simply be added to the new REVEL course without being prompted for another access code as long as you use the same username and password as you did for PSYC271.
3. Follow the onscreen instructions to redeem your access code. Choose your course under 'My Courses' and choose an access option. It is recommended that you purchase an access code from your campus bookstore for redemption here. Queen's Campus Bookstore is a non-profit organization, and provides the best value to students. Purchasing instant access in REVEL may result in extra fees associated with currency exchange. There is also a free trial if you are waiting for financial aid.

What you should know:

- Bookmark <https://console.pearson.com> to easily access your materials.
- Pearson recommends using the latest version of Chrome, Firefox, or Safari with this digital product.

One of the important changes to this newest edition of the textbook is that embedded within the text are a number of videos and simulations. So, as you are reading through a particular section in the physical copy of the text, you may come across a video that will need be accessed through REVEL. If you are using the online text, then you are already in REVEL and can just click on the video. Please note, you will need to make sure pop-ups are allowed in order for the multimedia to work properly.

If you have problems accessing REVEL or trouble viewing the videos/simulations on the site, **please** contact the REVEL website administrators directly through the help button, rather than emailing myself or the TAs. They have the ability to address your issues much better than we do, and so we will always redirect your questions back to them.

REVEL Chapter Quizzes

REVEL includes a number of chapter quizzes which can be used as a study tool and provide practice with multiple-choice questions. These quizzes are for practice only and do not contribute to your grade in the course. Please note, however, that those multiple-choice quizzes may be easier than those on the Module quizzes/Final Exam, and only have 4 choices rather than 5 choices. To access the quizzes, they need to be assigned for the course and given a due date. So a series of "assignments" have been set up for Chapters 9-18 with due dates in Jan 2022. The material is available immediately and will remain available for a year (in case any students need to write a make-up exam after the course is over). PLEASE NOTE: these assignments have been created to allow access to all the activities and quizzes, they are NOT in fact real assignments that will be included in your final grade. They are available for students to use as study tools and to practice writing MC exams, but are not a required component of the course.

Third Party Policy

This course makes use of [REVEL](#) for some activities. Be aware that by logging into the site, you will be leaving onQ, and accessing the [REVEL](#) website. Your independent use of that site, *beyond what is required for the course (for example, purchasing the company's products)*, is subject to Pearson Education's terms of use and privacy policy. You are encouraged to review these documents, using the link(s) below, before using the site.

<http://www.pearsoncanada.ca/pearson-canada-at-a-glance/legal/privacy-statement>

TIMELINE

The Course Timeline shows all relevant course dates, including assessments, as well as links to other important course information. As dates may change, you should consult the Timeline each time you log in to the course.

Please note, some students may see an onQ Calendar for their course. However, the onQ calendar does not display all dates associated with your course assignments. For complete information all of your assignments in this course and the start and close dates, please refer to the **Course Timeline**.

If there are discrepancies between dates in the course onQ site, the Timeline will be considered accurate.

All times are in Kingston time (Eastern Time).

SUGGESTED TIME COMMITMENT

To complete the readings, assignments, and course activities, students can expect to spend, on average, about 12 - 18 hours per week on the course.

WEIGHTING OF ASSESSMENTS

Icebreaker Assignment

6%

Essay Assignment

10%

Group Presentation

20%

Quizzes (7 of 8)

14%

Final Proctored Exam

50%

Proctored Exams

When you registered for the course, you indicated the exam centre location.

- Students who have on-campus courses (or course sections) will write their final exams in-person and on-campus. These final exams will be administered* through the central Exams Office.
- Students who have courses (or course sections) that are remote or online, but who have other on-campus courses (or course sections) in their timetable, will write all of their final exams in-person and on-campus. These final exams will be administered* through the central Exams Office.
- Students who have only remote or online courses (or course sections) in their timetable, and who require remote proctoring, will have their exams proctored using Examyty.

Remote Proctoring (if applicable)

Selected assessments in this course will use remote proctoring provided by Examyty, which is a third-party, cloud-based service that enables the completion of a proctored exam or test from an off-campus location, through onQ. This cloud-based proctoring solution was chosen as part of the approach to maintaining academic integrity when remote proctoring is required.

Queen's has conducted an extensive privacy and security review of Examyty and has entered into a binding agreement with terms that address the appropriate collection, use and disclosure of personal information in accordance with Ontario's privacy legislation. You should also take measures yourself to protect your information by keeping your NetID password and challenge questions private, closing all applications prior to starting an exam/test, and ensuring your device is updated and safeguarded against malware. For more information about remote proctoring, please see <http://www.queensu.ca/registrar/students/examinations/exams-office-services/remote-proctoring>

The ASO Exams team will contact you with more information regarding the use of Examyty and the technical requirements that you will need to meet. You will also be asked to provide the time zone in which you will be located at the time of your exam.

You will also be offered an opportunity to practice logging into Examyty in order to familiarize yourself with the online proctoring experience. Precise details about how remote proctoring will be used in this course can be found in the "Getting Started with Remote Proctoring" content module in onQ.

Location and Timing of Final Examinations

Once the exam schedule has been finalized the exam date will be posted on your SOLUS account. The exam dates for each Term are listed on the Faculty of Arts and Science webpage under "[Important Dates](#)." Student exam schedules for the Fall Term are posted via SOLUS immediately prior to the Thanksgiving holiday; for the Winter Term they are posted on the Friday before Reading Week, and for the Summer Term they are individually noted on the Arts and Science Online syllabi. **Students should delay finalizing any travel plans until after the examination schedule has been posted. Exams will *not* be moved or deferred to accommodate employment, travel/holiday plans or flight reservations.**

Calculator Policy (if applicable)

As noted in Academic Regulation 9.2, "Calculators acceptable for use during quizzes, tests and examinations are intended to support the basic calculating functions required by most Arts and Science courses. For this purpose, the use of the Casio 991 series calculator is permitted and is the only approved calculator for Arts and Science students."

ASSESSMENTS AND ACTIVITIES DESCRIPTION

Course Icebreaker

To start off the course, all students will be required to submit a written Icebreaker Assignment. This assignment is designed both for you to think about biopsychology as a discipline as well as learn more about the strong psychology tradition we have here in Canada. This assignment is worth 6% of your course grade and more details can be found through the link below.

[Icebreaker Assignment](#)

Quizzes

There are 8 Module quizzes that can be accessed through Quizzes found under the Activities link found at the top of the Homepage. The quizzes will consist of 10 multiple-choice questions based on the weekly material from the textbook and journal readings and any videos. The quizzes will be open for 48 hours and once you start, you will have 11 minutes to complete your quiz. Your final grade will be based on your highest 7 quizzes. Please note that because the questions largely come from a copyrighted testbank, the questions/answers will not be released. So while you will automatically get a grade, you will not be able to review your quiz. However, if you have specific questions please contact the instructor.

Group Presentation

Biopsychology is a rapidly developing field which takes advantage of converging operations. Every day, new and impactful studies are published that are providing important information about brain damage-its etiology, diagnosis and treatment. For this assessment, each student will be assigned a neurological disease/cause of brain damage to present to the other students in their group. This will be done using a voice-over Powerpoint presentation. After the presentations have been uploaded, group members will comment and ask/answer questions about the information presented. In total, this group project will be worth 20% of your final grade (15% for the presentation and 5% for the comments). For more details on this Group Presentation, please look under the Timeline or the link below.

[Group Presentation Assignment](#)

Essay Assignment

Students must also complete another written essay assignment. The assignment consists of 1 long-answer/essay question from Module 8 and it is worth 10% of your final grade. For more details on this Essay Assignment, please look under the Timeline or the link below.

[Essay Assignment Description](#)

Final Exam

The 3-hour final exam will be written during the Exam Period (see Timeline). It will consist of 100 Multiple Choice Questions, covering the entire course and is worth 50% of your final grade. For more details on the Final Exam, please look under the Timeline or the link below.

Please note that the final exam in this course might use remote proctoring provided by a third-party, cloud-based service that enables the completion of a proctored exam or test from an off-campus location, through onQ. This online proctoring solution was chosen as part of the approach to maintaining academic integrity in online assessment. Precise details about how remote proctoring will be used in this course can be found in the “Getting Started with Remote Proctoring” content module in onQ.

When writing tests/exams using remote proctoring, you are connecting to the third-party service. Queen’s has conducted a privacy and security review of the service and has entered into a binding agreement with terms that address the appropriate collection, use and disclosure of personal information in accordance with Ontario’s privacy legislation.

You should also take measures yourself to protect your information by keeping your NetID password and challenge questions private, closing all applications prior to starting an exam/test, and ensuring your device is updated and safeguarded against malware.

For more information about remote proctoring, see the Student FAQs on the OUR Exams resource page for remote proctoring: <http://www.queensu.ca/registrar/students/examinations/exams-office-services/remote-proctoring>

[Final Exam Information](#)

HOW TO APPROACH THE MATERIAL

PLEASE NOTE: In order to schedule the assessments evenly across the term, the chapters of the textbook will not be covered in sequential order. Please see the Course Timeline for more details.

The first thing you should do is watch the Welcome Video! It provides an overview of the course and introduces the topics/modules we will be covering in Brain and Behaviour.

For each Module, there are a number of different sources of information to hopefully give you a strong understanding of the topic. You should first open the narrated Powerpoint presentation which provides an overview of the topic, the learning outcomes

as well as some of the interesting research that will be presented. It is basically what I would say to an in-house class, on the first day of covering a new topic.

You should then read the associated textbook chapter.

Next would be the Module Course Notes which provide extra information or a different way of explaining some of the material. The **Course Notes** are an important feature of your online course, but for PSYC 370 are quite brief. Especially for those students who took PSYC 271 with me, these notes are quite different! Basically, they introduce the topic, detail the objectives, attempt to place the topic in the larger research area and highlight some interesting research in the area that is not covered in the textbook.

Also, for each Module there are videos, demonstrations and exercises from the online textbook (REVEL) and other websites. These are all designed to augment the information in the textbook and course notes. Sometimes seeing a principle in action is much easier to understand than reading a few paragraphs on it (i.e. how movement in the cochlea allows us to hear).

Current journal articles – these can be accessed through e-reserves through the Module Notes or the E-Reserves link at the right of the Homepage. For examination purposes, I will not be asking specific details about these experiments but you should know the hypothesis, general experimental design and conclusions.

By using the Overview powerpoint presentations, textbook, course notes and the multimedia, I hope it is easier to understand the (sometimes) complicated topics within Biopsychology,

As this is a third-year course, you are expected to bring with you a certain level of knowledge about the brain and its behaviour. You may choose to review some basic neuroanatomy and neurophysiology (found in Chapters 3 and 4 of the textbook) before starting to work on the course material.

Throughout the course, as well as the textbook, four major themes are repeated and should be kept in mind when studying the material.

- **Thinking creatively** or thinking in productive, unconventional ways is the cornerstone of science and there are many research examples of this principle in Biopsychology.
- Much of what we have learned about the brain has come from various patient populations, so this course also has strong **clinical implications** that highlight the interplay between brain dysfunction and biopsychology.
- There is also an important **evolutionary perspective** that must be considered in biopsychological research, especially with comparative studies.
- Much of the research covered in Psychology 370 is influenced by principles of **neuroplasticity**: that the brain is a 'plastic' organ that grows and responds to an individual's genes and environment.

GRADING

- All components of this course will receive numerical percentage marks. The final grade you receive for the course will be derived by converting your numerical course average to a letter grade according to Queen’s Official Grade Conversion Scale:
- **Queen’s Official Grade Conversion Scale**

Grade	Numerical Course Average (Range)
A+	90-100
A	85-89
A-	80-84
B+	77-79
B	73-76
B-	70-72
C+	67-69
C	63-66
C-	60-62
D+	57-59
D	53-56
D-	50-52
F	49 and below

CONTACTING THE TEACHING TEAM

The teaching team contact information is located on the Homepage of the course (see [“Teaching Team”](#)) and we are here to help, however before emailing the instructional team, students need to check the syllabus, the timeline, and course announcements to look for the answer to their question. If a student contacts the teaching team with a question that could be answered in one of these locations, they are given the message to “check 3” to guide them to the right location of the course for their answer.

If after checking the syllabus, the timeline and the course announcements, a student still has unanswered general questions about the course, they can post to the Course Questions Forum, (located under Help in the navigation bar). Feel free to help answer

your peers' questions on this forum. Most questions are answered within 24 hours (except on weekends and holidays). Please note that this forum is for constructive questions only, it is not a forum for complaints about the course or teaching team. If posts are deemed inappropriate, they will be removed.

Please use your Queen's email for inquiries that are more personal in nature, or for issues such as academic accommodations or marking. If you need to have a more detailed conversation, please contact your instructor.

COURSE FEEDBACK

At various points during the course, students may be asked to take part in a variety of feedback activities (such as questionnaires and exit tickets).

This feedback enables the team to make any adjustments necessary to improve the online learning environment. Additional student feedback will be sought throughout the course. All surveys are anonymous, and directly related to activities, assessments, and other course material.

NETIQUETTE

In any course you often communicate with your peers and teaching team through electronic communication. You are expected to use the utmost respect in your dealings with your colleagues or when participating in activities, discussions, and online communication.

Here is a list of netiquette guidelines. Please read them carefully and use them to guide your communication in this course and beyond.

1. Make a personal commitment to learn about, understand, and support your peers.
2. Assume the best of others and expect the best of them.
3. Acknowledge the impact of oppression on the lives of other people and make sure your writing is respectful and inclusive.
4. Recognize and value the experiences, abilities, and knowledge each person brings.
5. Pay close attention to what your peers write before you respond. Think through and re-read your writings before you post or send them to others.
6. It's ok to disagree with ideas, but do not make personal attacks.
7. Be open to being challenged or confronted on your ideas and to challenging others with the intent of facilitating growth. Do not demean or embarrass others.
8. Encourage others to develop and share their ideas.

QUEEN'S EMAIL

The university communicates with students via Queen's email. Please check your email regularly to ensure you do not miss important information related to your course.

COPYRIGHT

Course materials created by the course instructor, including all slides, presentations, handouts, tests, exams, and other similar course materials, are the intellectual property of the instructor. It is a departure from academic integrity to distribute, publicly post, sell or otherwise disseminate an instructor's course materials or to provide an instructor's course materials to anyone else for distribution, posting, sale or other means of dissemination, without the instructor's express consent. A student who engages in such conduct may be subject to penalty for a departure from academic integrity and may also face adverse legal consequences for infringement of intellectual property rights.

ACADEMIC ACCOMMODATIONS

Queen's University is committed to achieving full accessibility for persons with disabilities. Part of this commitment includes arranging academic accommodations for students with disabilities to ensure they have an equitable opportunity to participate in all of their academic activities.

The [Senate Policy for Accommodations for Students with Disabilities](#) was approved at Senate in November 2016. If you are a student with a disability and think you may need accommodations, you are strongly encouraged to contact the Queen's Student Accessibility Services (QSAS) and register as early as possible. For more information, please visit the [QSAS website](#)

Students with course accommodations should send their accommodation requests to ASO and their instructor as soon as possible to make the appropriate arrangements, using the widget located on the course homepage.

ACADEMIC CONSIDERATIONS FOR STUDENTS IN EXTENUATING CIRCUMSTANCES

To submit a Request for Academic Consideration, go to: <https://www.queensu.ca/artsci/undergrad-students/academic-consideration-for-students>.

After you submit your request, it is essential that you contact your instructor(s) to discuss arrangements for completing the academic requirements that you have missed.

Academic consideration is meant to help you manage a **short-term extenuating circumstance** that is beyond your control and could affect your academics. This might be a sudden physical or mental illness, a serious injury or required treatment for yourself or a significant other, bereavement (e.g., death of a family member or close

friend), or a traumatic event (e.g., sexual assault, divorce). Another example is an absence due to a significant event, such as participating in a varsity championship or performing at a national or international event.

Academic consideration for an extenuating circumstance may include but is not limited to:

- an excused absence
- a deferral
- an extension
- a modified schedule for assignments, projects, labs, or placements
- an alternative assignment
- a re-weighting of term marks
- permission for an incomplete grade
- course withdrawal without penalty (this requires an appeal to the Associate Dean of Studies)

Your instructor will determine what academic consideration is appropriate for your course based on the academic requirement(s) you may miss and the essential requirements/learning outcomes of the course. All students who receive academic consideration must meet all essential academic requirements/learning outcomes and standards of the course. Academic consideration does not guarantee academic achievement in a course/program.

Situation 1: Requests for academic consideration up to 3 days:

- Each student can make one request for academic consideration for up to 3 days without [supporting documentation](#) per academic term (i.e., Fall, Winter, Summer). Any additional requests for academic consideration for up to 3 days will require supporting documentation.
- Requests for academic consideration under 3 days must be submitted as soon as you require academic consideration and no later than 1 day after the 3 day consideration period has ended. (eg. if you are requesting academic consideration for September 10-12, you must have your request submitted into this system by September 13 at the latest).
- Delegates submitting a Request for Academic Consideration for Extenuating Circumstances form and supporting documentation on behalf of a student should contact the Faculty Office at asc.consideration@queensu.ca or 613-533-6000, ext. 75413 to arrange to complete the proper forms.

Situation 2: Requests for academic consideration between 4 days and 3 months:

- Requests for academic consideration between 4 days and 3 months should be made as soon as you require academic consideration.
- All requests for academic consideration between 4 days and 3 months require [supporting documentation](#), which should be submitted within 5 business days of submitting the request or it will be withdrawn.

- All requests for academic consideration for extenuating circumstances between 4 days and 3 months must be submitted before the course has closed/ended.
- Delegates submitting a Request for Academic Consideration for Extenuating Circumstances form and supporting documentation on behalf of a student should contact the Faculty Office to arrange to complete the proper forms.
- If you have questions, please contact the Academic Consideration Team in the Faculty Office at: asc.consideration@queensu.ca or 613-533-6000, ext. 75413.

Situation 3: Requests for academic consideration during final exam periods:

- **All requests** (up to 3 days and between 4 days and 3 months) for academic consideration made during exam periods require supporting documentation.

Situation 4: Request for Excused Absence for Significant Event:

Students who are making a request for academic consideration related to a significant event must follow these steps outlined below. If you are participating in an event at the provincial, national, or international level that is either a Queen's Varsity Athletics event or an event to which you were invited as a distinguished guest, you can complete this form. Please submit requests a minimum of 2 weeks before the sanctioned events or as soon as the event is scheduled.

1. Gather the following information:
 - A personal statement about why participation in the event is significant to you/Queen's
 - Specific details about what is being missed (i.e., exactly what courses, what tests, what assignments, etc.)
 - A copy of the invitation to participate/details about the competitions that determine who is invited
 - Any other relevant details about the event (i.e., tournament information, schedules, team details, who is participating)
2. A minimum of two weeks before the sanctioned event, or as soon as the event is scheduled, complete and submit a [Request for Excused Absence for Significant Event Form](#) to either:
 - Queen's Athletics and Recreation senior management team/Athletics Services Coordinator – Retention (athletics and Recreation Centre, 284 Earl Street), for varsity athletic events OR
 - the Vice-Provost and Dean of Student Affairs (Gordon Hall, Room 300, 74 Union Street) for all other significant events
 - BISC Students should submit their requests to the Student Services office at the Bader International Student Centre (BISC).
3. Upload your signed form to the Arts & Science Academic Consideration Portal. If you encounter technical difficulties please reach out to asc.consideration@queensu.ca

As soon as possible, follow-up with your instructor(s) either by email or in-person to discuss how you will be making up for the missed academic requirements. This may require you to complete academic requirements prior to being absent for the event.

ACADEMIC INTEGRITY

Queen's students, faculty, administrators and staff all have responsibilities for upholding the fundamental values of academic integrity: [honesty, trust, fairness, respect, responsibility and courage](#). These values are central to the building, nurturing and sustaining of an academic community in which all members of the community will thrive. Adherence to the values expressed through academic integrity forms a foundation for the "freedom of inquiry and exchange of ideas" essential to the intellectual life of the University (see the [Senate Report on Principles and Priorities](#)).

Students are responsible for familiarizing themselves with the regulations concerning academic integrity and for ensuring that their assignments and their behaviour conform to the principles of academic integrity. Information on academic integrity is available in the Arts and Science Calendar (see [Academic Regulation 1](#)), on the [Arts and Science website](#), and from the instructor of this course. Departures from academic integrity include plagiarism, use of unauthorized materials, facilitation, forgery and falsification, and are antithetical to the development of an academic community at Queen's. Given the seriousness of these matters, actions which contravene the regulation on academic integrity carry sanctions that can range from a warning or the loss of grades on an assignment to the failure of a course to a requirement to withdraw from the university.

COMPUTER REQUIREMENTS

Please note that mobile devices are not recommended for the course as they cause several known issues in onQ.

Computer Specifications

- Windows 8.1 or newer
- OS X 10.13 (High Sierra) or newer
- Dual Core 2 GHz processor
- 4 GB RAM
- Soundcard
- USB headset
- Webcam

Supported Browsers

- Chrome (preferred - latest version)

- Firefox (latest version)
- ***Safari is not recommended as it causes several known issues in onQ***
- ***Edge is not recommended as it causes several known issues in onQ***

Internet Connection

- Wired high speed access: Cable or better
- ***Wifi is not recommended***

Java

- Latest version

Media Player

- HTML5 compatible

Adobe Reader

- Latest Version

STUDENTS STUDYING OR TRAVELLING ABROAD

- If you plan to travel, we strongly recommend that you confirm Internet availability in your host country prior to departure. In the past, students in other countries have been blocked from accessing certain websites relevant to their courses, as well as onQ. It is the responsibility of all students to book travel around course work, as we cannot change the format or timing on assessments or assignments as a result of travel plans.