PSYC*3100, Course Outline: Fall 2022

General Information

Course Title: PSYC3100 Evolutionary Psychology

Course Description: Evolutionary Psychology makes use of the principles of adaptation and selection to generate and test hypotheses about behaviour and the function of psychological mechanisms. In this way, we can predict the design features of the mind: the decision rules that are the products of millions of years of reproductive competition among alternative phenotypes. Evolutionary theory applies to all facets of behaviour. Hence, we will cover in this course a wide variety of topics, including: natural selection; cooperation; kinship, mating; parenting; conflict; individuality; and culture.

Credit Weight: 0.5 credits

Academic Department (or campus): Psychology

Semester Offering: Fall 2022

Class Schedule and Location: Tuesdays & Thursdays 2:30-3:50, McLachlan 102

Instructor Information

Instructor Name: Pat Barclay
Instructor Email: barclayp@uoguelph.ca
Drop-in office hours: Tues 10-11 & Thurs 1-2 in MacKinnon 3009, immediately after class, plus other times available by appointment
Communication policy: I will do my best to answer e-mails within 2 business days. I do not check e-mails on Saturday or Sunday or in the evening. I prefer that you ask any content-related questions during class so that everyone can benefit from the discussion. If the matter is private, please come to office hours to discuss. Due to the large class size and high volume of e-mails, please reserve e-mail for short or urgent communications; for longer questions, please come to office hours or book a time with me (Tu & Thurs are best). Please check the syllabus and “Questions from Students” document on Courselink before asking your question – due to the class size, I may not respond if you could easily have found the answer yourself. I apologize in advance for the brevity of my responses. For questions about regrades, please see the section on Course Policies.

GTA Information

GTA Name: Savannah Yerman, Siyao Peng
GTA Email: syerman@uoguelph.ca, speng03@uoguelph.ca
GTA office location and office hours: By appointment
Disclaimer

Please note that the ongoing COVID-19 pandemic may necessitate a revision of the format of course offerings and academic schedules. Any such changes will be announced via CourseLink and/or class email. All University-wide decisions will be posted on the COVID-19 website https://news.uoguelph.ca/covid-19/updates/ and circulated by email.

Course Content

Specific Learning Outcomes:
- Critical & Creative Thinking: Depth & Breadth of Understanding (Reinforce)
- Critical & Creative Thinking: Inquiry & Analysis (Reinforce)
- Critical & Creative Thinking: Creativity (Reinforce)
- Literacy: Information Literacy (Reinforce)
- Global Understanding: Global & Cultural Understanding (Reinforce)
- Communication: Written Communication (Introduce)
- Communication: Reading Comprehension (Master)
- Professional & Ethical Behaviour: Personal Organization/ Time Management (Introduce)

These objectives will be accomplished by helping you to:
- Understand evolutionary theory as it relates to behaviour
- Integrate existing findings from psychology with their evolved functions and evolutionary biological underpinnings
- Apply evolutionary theory to everyday life
- Comprehend primary & secondary scientific literature about the evolution of behaviour
- Understand both the diversity and universality of human behaviour across the globe, especially as it compares to non-human behaviour
- Understand the importance of good theory and use empirical findings to support theory
- Generate novel predictions about human behaviour based on evolutionary principles
- Explain all of the above in written format on evaluations

Lecture Content:
This schedule is tentative and is subject to change. I have listed the required readings for each class (see list of readings under “Other Resources”). All lectures will be in-person.

Th. Sept 8th Introduction & How to Do Well

Tu. Sept 13th Evolution & Natural Selection (Gregory, 2009)
Th. Sept 15th Genes & Development (Pinker, 2004; Al-Shawaf, 2019)

   [Optional reading: Stephen & Sulikowski, 2020]
Tu. Sept 27th Adaptations Part 2 & 3 (Barclay, 2013)
Th. Sept 29th Quiz 1 + Kinship (Gaulin & McBurney, 2004; or Cartwright, 2000)

Tu. Oct 4th Kin Recognition (DeBruine et al., 2008; Lieberman et al) [Optional: Krupp et al, 2011]
Th. Oct 6th Video: TBA (“reading”: Sapolsky video)

Tu. Oct 11th: FALL BREAK, NO CLASS
[Optional readings: Dawkins Ch 10 & 12; Ridley Ch 2-4; West et al 2006; Crespi 2006]

Tu. Oct 18th: Non-Kin Cooperation 2 (website: https://www.farmersfable.org/; Barclay 2010 “book” Ch. 4 & Ch. 6)
[Optional readings: Ridley Ch 5-6]

[Optional reading: Salmon & Symons, 2001]
[Optional: Bailey & Zuk, 2009 is more detailed than BBC 2015 & can replace it]

Tu. Nov 1st Mating 3 – Attractiveness (Miller & Todd, 1998; Sugiyama, 2005)
[Optional: Salmon & Symons, 2001; Miller, 2000 Ch. 8]

Tu. Nov 8th Within-Sex Conflict (Daly & Wilson, 1999 “Machismo” article; Chagnon, 1988)
[Optional: Homicide Ch 6-8; Ridley Ch 8-9; or Krupp 2021]
Th. Nov 10th Quiz 4 + Between-Sex Conflict (Wilson & Daly, 1992) [Optional: Homicide Ch. 9]

Tu. Nov 15th Personality & Individual Differences (Buss & Greiling, 1999) [Optional: Nettle 2006]
Th. Nov 17th Parenting 1 – Human Families (Gaulin & McBurney Ch. 13)
[Optional: Homicide Ch 3-4 (for all parenting lectures)]

Tu. Nov 22nd Parenting 2 – Discriminative Care (Daly & Wilson “Truth About Cinderella”)
Th. Nov 24th Quiz 5 + Parenting 3 – Family Conflict (same readings as above)

Tu. Nov 29th Culture & Cultural Differences (Dawkins Ch. 11; Dennett TED talk)
Th. Dec 1st Wrap-up & review

Labs: None
Seminars: None
### Course Assignments and Tests:

<table>
<thead>
<tr>
<th>Name</th>
<th>Date</th>
<th>Location</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quiz 1</td>
<td>Thurs Sept 29th 2:30PM</td>
<td>In class (MCLN102)</td>
<td>Best 4 of 5 quizzes: worth a combined 40% of final grade</td>
</tr>
<tr>
<td>Quiz 2</td>
<td>Thurs Oct 13th 2:30PM</td>
<td>In class (MCLN102)</td>
<td></td>
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<tr>
<td>Quiz 3</td>
<td>Thurs Oct 27th 2:30PM</td>
<td>In class (MCLN102)</td>
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<tr>
<td>Quiz 4</td>
<td>Thurs Nov 10th 2:30PM</td>
<td>In class (MCLN102)</td>
<td></td>
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<tr>
<td>Quiz 5</td>
<td>Thurs Nov 24th 2:30PM</td>
<td>In class (MCLN102)</td>
<td></td>
</tr>
<tr>
<td>Final Exam</td>
<td>Mon. Dec. 5th 11:30-1:30</td>
<td>TBA (by registrar)</td>
<td>60%</td>
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</tbody>
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### Additional Notes:

1. **Quizzes will all be done during class time in class.** In the event that COVID requires us to move online, then quizzes would be done on Courserlink via the Quizzes feature.
2. For quiz grades, you can drop your lowest of the five, i.e. I will take your best four out of five, and those four will be worth 10% each (i.e. quizzes worth a total of 40% of final grade).
3. There are no make-up quizzes, because we will have already have taken up the answers in class. This is partly why we drop any of the five quizzes: if you have a valid reason for missing a quiz, we will substitute the average of the others for the missed one, and then drop the lowest of the “five” quizzes (i.e., four written + one substituted average). Contact me immediately if you have a valid reason for missing a quiz.
4. We reserve the right to switch to alternate formats for the quizzes or the final exam, for example if COVID rates suggest that we should do evaluations online. In such an event, then quizzes and the final exam will be conducted on Courserlink via the Quizzes feature. Such online evaluations would use the Respondus Lockdown Browser, which prevents students from using other computer applications for the duration of the quiz, and uses students’ cameras and microphones to do an environment scan to ensure that no one is using unapproved aids. In that event, please ensure that you download and install the Respondus Lockdown Browser before the time we need to use it, and that you have a camera and microphone on your computer. The Respondus Lockdown Browser takes time to set up and become familiar with, so if we need to do evaluations online, then it is strongly recommended that familiarize yourself with it. If you have known issues with internet connection (e.g., rural areas), please contact me as soon as any switch to online testing is announced. We also reserve the right to use Turnitin Software on any submitted work, including responses on quizzes or the Final Exam, to ensure the originality of the work.

**Final examination date and time:** Mon. Dec 5th 2022, 11:30AM-1:30PM, in person (location TBA & determined by the registrar). However, given the uncertainties surrounding COVID-19, we reserve the right to change the format of delivery.
**Final exam weighting:** 60%. *The final exam will be cumulative.* Information from both the readings and the class lectures are considered "fair game" for inclusion on the exam. Come to class and participate: you'll be better prepared.

**Course Resources**

**Software:**
*Zoom:* Lectures will be in-person. However, in the event that rising COVID rates recommend a switch to online learning, then lectures will be conducted by Zoom, using a link from the Courselink site. You will need to download and install Zoom before class, this is free. Instructions on using Zoom are available at the following link: *Using Zoom for Students.* [For those reading the printed syllabus, the link is: https://www.youtube.com/watch?v=gTry51wPjdA&feature=youtu.be]

*Respondus Lockdown Software:* if rising COVID rates recommend a switch to online evaluations, then to ensure academic integrity, the quizzes and final exam will use Respondus Lockdown Software. This software locks your computer while taking quizzes and examinations, so that you cannot use other applications including the internet, Word, or Zoom. Instructions on using this software are available at: [https://opened.uoguelph.ca/instructor-resources/resources/Instructions-for-Taking-Practice-Quiz-Final-Exam.pdf](https://opened.uoguelph.ca/instructor-resources/resources/Instructions-for-Taking-Practice-Quiz-Final-Exam.pdf)

**Required Texts:**
There is no textbook. Instead, you will read book chapters and journal articles, including reviews and primary literature. See list below. Pdfs (or links) are posted on Courselink. In addition, the following short book is required:

**Recommended Texts:**
The following book is strongly recommended, especially if you have no biology background. It will help you to fully appreciate the theoretical perspective, and is best read sooner rather than later. It will be on reserve at the library (possibly online), or you can choose to purchase it.

The following is also highly recommended to help you understand how nature and nurture interact and *must* interact to produce a phenotype. It helps to show why “nature versus nurture” is a false dichotomy, and how “nature via nurture” is a better description:

The following readings supplement the required material by going further into detail on some topics. The first two are popular books intended for an intelligent lay audience, and the third is a classic in evolutionary approaches to human behaviour. These readings are encouraged because they can help increase your interest & understanding, but they are entirely optional. I will indicate which chapters roughly correspond to which lectures.
The three optional supplementary readings are:

**Lab Manual:** Not applicable

**Other Resources:**
The following required readings are available on the Courselink page for this course. The schedule of topics (above) indicates what reading goes with what topic:
4) Al-Shawaf, L. (2020). The why is not the same as the how: levels of analysis and scientific progress in psychology. *Areo*, July 20 2020.
7) Cosmides, L., & Tooby, J. (1997). Evolutionary Psychology: A Primer. Available from the Center for Evolutionary Psychology (UC Santa Barbara) at this link: [Ev Psych Primer](https://www.cep.ucsb.edu/primer.html) (If you printed the syllabus, address is: [https://www.cep.ucsb.edu/primer.html](https://www.cep.ucsb.edu/primer.html))
14) Website: [http://ncase.me/trust/](http://ncase.me/trust/) Play around with the parameters in the simulation
16) Website: [https://www.farmersfable.org/](https://www.farmersfable.org/) Replay the simulations multiple times to visualize
17) Barclay, P. (2010). *Reputation and the Evolution of Generous Behaviour*. Hauppauge, NY: Nova Science. *(Note: you’re only required to read Ch. 4, and the parts in Chapter 6 on costly signalling theory. The whole “book” is only ~50 pages of text, so you may want to read other sections too.)*


21) BBC (Melissa Hogenboom), 2015. Are there any homosexual animals?


32) Dennett, D. (2002). TED talk on dangerous memes (15:30 min). Available online at this link: [Dan Dennett on Dangerous Memes](http://www.ted.com/talks/dan_dennett_on_dangerous_memes.html) (If you printed the syllabus, this is the address: http://www.ted.com/talks/dan_dennett_on_dangerous_memes.html)

Optional readings & films:


Field Trips: None
Additional Costs: None

Course Policies

Grading Policies
There will be no make-up quizzes. If you miss a quiz without a valid excuse, then the missed quiz will simply become your “dropped” quiz (because you get to drop your lowest of the five quizzes). If you miss a quiz because of a planned event, illness, or compassionate reasons, please e-mail me as soon as possible (before the quiz if planned, immediately after if ill or compassionate), tell me the reason, and I will take that into account. In such an event, I will substitute the average of the other quizzes for the missed one, and then drop the lowest of the “five” quizzes (i.e., four written + one substituted average). If you miss more than one quiz, you must contact me with a reason.

Re-grades:
We are happy to offer re-grades for any quiz or final exam if you feel that you have been misinterpreted or graded unfairly. After all, graders are human too and can make errors. All requests for a re-grade MUST be submitted in writing along with a rationale justifying why you deserve a higher grade (except for addition errors). We will not entertain verbal requests, only written requests accompanied by the original test. This takes the emotion out of the process and makes it so that you are evaluated based on what is written on the paper. The instructor (Pat Barclay) will re-grade the entire quiz (or final exam, if applicable), not just one particular question, and the new total grade will stand whether it is higher or lower than the original grade for the quiz/exam. This means that your quiz grade could go up or down after a regrade attempt, depending on whether the instructor’s assessment of the whole quiz is more or less favourable than the TA’s assessment. As such, I would advise against using this option to “dig” for extra points unless you legitimately feel that you have been misinterpreted or unjustly graded. I am open to the possibility of a mistake having been made - we are all human - but we must all accept the possibility that the net sum of mistakes could have worked against you or in your favour. If you do legitimately feel that you have been misinterpreted or that we missed your point or graded it too harshly, then by all means submit your rationale for a re-grade. Addition errors do not require a written justification... simply point those out to us.
Course Policy on Group Work:
All quizzes and final exams must be written individually. Studying together is strongly encouraged: it’s a good idea to practice explaining things to other students and getting them to criticize your explanations. Generate applications, predictions, and new studies together.

Course Policy regarding use of electronic devices and recording of lectures:
Electronic recording of classes by other parties is expressly forbidden without consent of the instructor. When recordings are permitted, they are solely for the use of the authorized student and may not be reproduced, or transmitted to others, without the express written consent of the instructor. Similarly, any material created by the course instructor is intended for those enrolled in this course solely. Under no circumstances are you allowed to disseminate course materials to external parties.

Student Rights and Responsibilities when Learning Online

Privacy Rights
Lectures may be recorded for the purpose of increasing accessibility for students. As a student, you have the right to protect your privacy and not contribute to any class that is being recorded, and to sit where the camera will not accidentally record you. In the event that you contribute to the class (e.g., asking questions), please note that you are consenting to your presence in lecture recordings. Under no circumstances are you permitted to transmit copies of the recordings to others, without the express written consent of the instructor. Any reproduction or reposting is considered a violation of the author’s intellectual property.

Online behaviour
According to the University Secretariat, students have a responsibility to help support community members’ access to the tools they need to engage in their learning and development, both in and outside of the classroom. An example of this type of responsibility is the requirement to abide by the following:

Section 4.3.3. Disruption - to not interfere with the normal functioning of the University, nor to intimidate, interfere with, threaten or otherwise obstruct any activity organized by the University, including classes, or to hinder other members of the University community from being able to carry on their legitimate activities, including their ability to speak or associate with others.

As such, appropriate online behaviour will not be tolerated. Examples of inappropriate online behaviour include:

- Posting inflammatory messages about your instructor or fellow students
- Using obscene or offensive language online
- Copying or presenting someone else's work as your own
• Adapting information from the Internet without using proper citations or references
• Buying or selling term papers or assignments
• Posting or selling course materials to course notes websites
• Having someone else complete your quiz or completing a quiz for/with another student
• Stating false claims about lost quiz answers or other assignment submissions
• Threatening or harassing a student or instructor online
• Discriminating against fellow students, instructors and/or TAs
• Using the course website to promote profit-driven products or services
• Attempting to compromise the security or functionality of the learning management system
• Sharing your username and password

Turnitin software:
Course instructors are allowed to use software to help in detecting plagiarism or unauthorized copying of student assignments. Plagiarism is one of the most common types of academic misconduct on our campus. Plagiarism involves students using the work, ideas and/or the exact wording of other people or sources without giving proper credit to others for the work, ideas and/or words in their papers. Students can unintentionally commit misconduct because they do not know how to reference outside sources properly or because they don't check their work carefully enough before handing it in. Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it. Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member or faculty advisor.

In this course, your instructor reserves the right to use Turnitin.com to detect possible plagiarism, unauthorized collaboration or copying as part of the ongoing efforts to prevent plagiarism in the College of Social and Applied Human Sciences.

A major benefit of using Turnitin is that students will be able to educate and empower themselves in preventing misconduct. In this course, you may screen your own assignments through Turnitin as many times as you wish before the due date. You will be able to see and print reports that show you exactly where you have properly and improperly referenced the outside sources and materials in your assignment.

University Policies

Illness

The University will not normally require verification of illness (doctor's notes) for the Fall 2022 semester courses. However, complex cases and requests for Academic Consideration may still require medical documentation as appropriate.
Academic Consideration

When you find yourself unable to meet an in-course requirement because of illness or compassionate reasons, please advise the course instructor in writing, with your name, id#, and e-mail contact. See the academic calendar for information on regulations and procedures for Academic Consideration:

Academic Consideration, Appeals and Petitions

Academic Misconduct

The University of Guelph is committed to upholding the highest standards of academic integrity and it is the responsibility of all members of the University community, faculty, staff, and students to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring.

University of Guelph students have the responsibility of abiding by the University's policy on academic misconduct regardless of their location of study; faculty, staff and students have the responsibility of supporting an environment that discourages misconduct. Students need to remain aware that instructors have access to and the right to use electronic and other means of detection. Please note: Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it. Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member or faculty advisor.

The Academic Misconduct Policy is detailed in the Undergraduate Calendar:

Academic Misconduct Policy

Accessibility

The University of Guelph is committed to creating a barrier-free environment. Providing services for students is a shared responsibility among students, faculty and administrators. This relationship is based on respect of individual rights, the dignity of the individual and the University community's shared commitment to an open and supportive learning environment. Students requiring service or accommodation, whether due to an identified, ongoing disability or a short-term disability should contact Accessibility Services (SAS) as soon as possible.

For more information, contact SAS at 519-824-4120 ext. 56208 or email csd@uoguelph.ca or see the website: Student Accessibility Services Website

Course Evaluation Information

Please refer to the Course and Instructor Evaluation Website.
Drop date

The last date to drop one-semester courses, without academic penalty, is Friday Dec 2nd 2022. For regulations and procedures for Dropping Courses, see the Academic Calendar: [Current Undergraduate Calendar](#)