PSYC*3100, Course Outline: Fall 2020

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 2020

Class Schedule and Location: Due to the COVID-19 pandemic, this course is offered in an alternative format. Alternative Delivery Synchronous – AD-S Virtual: Tuesdays & Thursdays 2:30-3:50 in a virtual room (online) on Zoom, accessed through this course’s Courselink site.

Instructor Information

Instructor Name: Pat Barclay
Instructor Email: barclayp@uoguelph.ca
Drop-in office hours on an open Zoom channel: Tues 10-11, Thurs 1-2, + 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: Aleta Pleasant, Angelica Nascimento de Oliveira  
GTA Email: apleasan@uoguelph.ca, nascimea@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/2019-novel-coronavirus-information/ 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 available during class time via Zoom, which is accessible from the CourseLink site.

Th. Sept 10th Introduction & How to Do Well

Tu. Sept 15th Evolution & Natural Selection (Gregory, 2009)
Th. Sept 17th Genes & Development (Pinker, 2004)

Tu. Sept 22nd Levels of Analysis (Al-Shawaf, 2020; Holekamp & Sherman, 1989)
[Optional reading: Stephen & Sulikowski, 2020]

Th. Sept 24th Video: The New Chimpanzees (required “reading”: Sapolsky 2009 video)
Note: this video is National Geographic, 1996. There are different videos online with same name – if you watch it outside of class, make sure to watch the right video! Available at: https://www.youtube.com/watch?v=uz1a7MzHtOQ

Th. Oct 1st Quiz 1 + Adaptations Part 2 (Barclay, 2013)

Tu. Oct 6th Adaptations 3 + Kinship (Gaulin & McBurney, 2004; or Cartwright, 2000)
Th. Oct 8th Kin Recognition (DeBruine et al., 2008; Lieberman et al) [Optional: Krupp et al, 2011]

Tu. Oct 13th: FALL BREAK, NO CLASS
[Optional readings: Dawkins Ch 10 & 12; Ridley Ch 2-4; West et al 2006; Crespi 2006]

Tu. Oct 20th: Non-Kin Cooperation 2 (Barclay 2010 “book” Ch. 4 & Ch. 6)
[Optional readings: Ridley Ch 5-6]
Th. Oct 22nd Non-Kin Cooperation 3 (Stevens & Hauser, 2004) [Optional reading: Ridley Ch 7]

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

Tu. Nov 3rd Mating 3 – Attractiveness (Miller & Todd, 1998; Sugiyama, 2005)
[Optional: Salmon & Symons, 2001; Miller, 2000 Ch. 8]
Th. Nov 5th Mating 4 – Types of Marriages (Marlowe, 2003)

Tu. Nov 10th Within-Sex Conflict (Daly & Wilson, 1999 “Machismo” article; Chagnon, 1988)
[Optional: Homicide Ch 6-8; Ridley Ch 8-9]
Th. Nov 12th Quiz 4 + Between-Sex Conflict (Wilson & Daly, 1992) [Optional: Homicide Ch. 9]

Tu. Nov 17th Personality & Individual Differences (Buss & Greiling, 1999)
Th. Nov 19th Parenting 1 – Human Families (Gaulin & McBurney Ch. 13)
[Optional: Homicide Ch 3-4 (for all parenting lectures)]

Tu. Nov 24th Parenting 2 – Discriminative Care (Daly & Wilson “Truth About Cinderella”)
Th. Nov 26th Quiz 5 + Parenting 3 – Family Conflict (same readings as above)
Tu. Dec 1st Culture & Cultural Differences (Dawkins Ch. 11; Dennett TED talk)
Th. Dec 3rd 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. Oct. 1st 2:30PM</td>
<td>Courselink Quizzes</td>
<td>Best 4 of 5 quizzes: worth a combined 40% of final grade</td>
</tr>
<tr>
<td>Quiz 2</td>
<td>Thurs. Oct. 15th 2:30PM</td>
<td>Courselink Quizzes</td>
<td>Best 4 of 5 quizzes: worth a combined 40% of final grade</td>
</tr>
<tr>
<td>Quiz 3</td>
<td>Thurs. Oct. 29th 2:30PM</td>
<td>Courselink Quizzes</td>
<td>Best 4 of 5 quizzes: worth a combined 40% of final grade</td>
</tr>
<tr>
<td>Quiz 4</td>
<td>Thurs. Nov. 12th 2:30PM</td>
<td>Courselink Quizzes</td>
<td>Best 4 of 5 quizzes: worth a combined 40% of final grade</td>
</tr>
<tr>
<td>Quiz 5</td>
<td>Thurs Nov 26th 2:30PM</td>
<td>Courselink Quizzes</td>
<td>Best 4 of 5 quizzes: worth a combined 40% of final grade</td>
</tr>
<tr>
<td>Practice Quiz</td>
<td>Anytime before Quiz 1</td>
<td>Courselink Quizzes</td>
<td>2%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>Thurs. Dec. 10th 7PM-9PM</td>
<td>Courselink Quizzes</td>
<td>58%</td>
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</tbody>
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Additional Notes:
1. Quizzes will all be done during class time on Courselink via the Quizzes feature. Quizzes and the Final Exam will 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. Please ensure that you download and install the Respondus Lockdown Browser before the first quiz, 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 it is strongly recommended that you do the practice quiz the week before Quiz 1 – this is the whole point of the practice quiz. If you have known issues with internet connection (e.g., rural areas), please contact me in the first two weeks of classes.
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).

4. We reserve the right to switch to alternate formats for the quizzes or the final exam, for example if significant problems arise with Respondus Lockdown Browser for multiple students, or if COVID-19 creates additional unanticipated problems. 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:
Thurs. Dec 10th 2020, 7PM-9PM, planned on CourseLink Quizzes with Respondus Lockdown Browser. However, given the uncertainties surrounding COVID-19 and educational technology, we reserve the right to change the format of delivery.

Final exam weighting: 58%.
*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 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](https://www.youtube.com/watch?v=gTry51wPjdA&feature=youtu.be) [For those reading the printed syllabus, the link is:](https://www.youtube.com/watch?v=gTry51wPjdA&feature=youtu.be)

*Respondus Lockdown Software:* 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:

3) 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.
5) Sapolsky, R. (2009). TED talk on the Uniqueness of Humans. Video available at this link: Robert Sapolsky TED talk (If you printed the syllabus, this is the address spelled out: [http://www.ted.com/talks/lang/eng/robert_sapolsky_the_uniqueness_of_humans.html](http://www.ted.com/talks/lang/eng/robert_sapolsky_the_uniqueness_of_humans.html))
6) 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 (If you printed the syllabus, address is: [https://www.cep.ucsb.edu/primer.html](https://www.cep.ucsb.edu/primer.html))

13) Website: http://ncase.me/trust/ Play around with the parameters in the simulation


15) 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.)*


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


30) 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)

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 – 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
critize your explanations. Generate applications, predictions, and new studies together.

**Course Policy regarding use of electronic devices and recording of lectures:**
Electronic recording of classes 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 held via Zoom may be recorded for the purpose of increasing accessibility for students
with poor internet connectivity or scheduling challenges. As a student, you have the right to
protect your privacy online and may choose to turn off your video and/or audio when in
session. In the event that your video and/or audio remain on, 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 2020 or Winter 2021 semester courses. However, 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 4th 2020. For regulations and procedures for Dropping Courses, see the Academic Calendar: Current Undergraduate Calendar