

PsyA01 - Introduction to Psychology, Part I

Syllabus for the Fall of 2012

Contact Information



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Office Hours: Mondays, 10:30 - 11:30 am, Tuesdays 3:30 - 4:30 pm
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General Course Information

The study of human behaviour, and the processes and structures giving rise to it, is actually extremely broad. It ranges from issues such as basic brain structure and communication, to issues such as the way the behaviour of those around us affects our own behaviour. In general, the goal of our two Introduction to Psychology courses is to give you an introduction to research and ideas across the entire field of psychology.

This is Part I of that introduction and, in it, we will focus on topics such as a Brief History of Psychological Research, an Introduction to the Scientific Process, A Discussion of Evolution in the Context of Human Behaviour, Brain Structure and Function, Basic Sensory Processes, Perceptual Processes, Memory and Consciousness.

The course is what is often described as a survey course, meaning we will try to give you a general sense of some different approaches to the study of Psychology highlighting some of the most interesting findings within each approach. Subsequent B level courses then focus on some of these approaches in more detail, and the hope is that after taking this Introductory course you will be in a good position to (a) know which sub-areas of Psychology you find most interesting, and (b) begin your studies of these sub-areas with a good general knowledge of that sub-area and how it related to other approaches within Psychology.

Teaching Approach: Content AND Skills

I began teaching here at UTSC in 1995 and throughout my time here I have developed some strong ideas about how courses should be taught ... about the sorts of experiences you should expect from a professor like me. This course is, to some extent, the embodiment of my teaching philosophy. It is my attempt to provide what I think is the best possible educational experience, despite our very large class size.

Let me note right here that this may be the longest syllabus of any class you take! I have thought deeply about how to create a good course, and virtually every aspect of this course reflects principles derived from research within Educational Psychology. One such principle is the following. Research has shown that students enjoy an educational experience more, and engage with it more effectively, when they understand WHY they are being asked to do the things they are being asked to do. So I'd rather err on the side of giving you more explanation than less.

That said, at a general level, I will try to do two things in the course. First, I will describe all of the critical concepts, terms, figures, theories and data that define the content area of Introductory Psychology. That is, I will "transmit the content" of this course and assuming you are receptive to that content, you will learn about the study of psychology and the directions you could take to follow up if that is your interest.

Second, throughout the course I will also give you practice thinking critically and creatively, reflecting on the knowledge you have (and don't have), and expressing your ideas in effective ways. These are what I call "cognitive skills" and they are relevant to virtually everything you do in life. Like all other skills they also develop with practice. So part of my job is to give you that practice.

Paralleling this then, some aspects of this course will include what could be called "passive" or "self-directed" learning. Thus, there will be lectures for you to watch, and a text for you to read. I've tried to choose a relevant and interesting textbook, and I will try my hardest to give interesting, fun, and relevant lectures. But ultimately it will be up to you to engage with these learning opportunities in ways that allow you to learn the content well.

Other aspects of this course will include "active" learning. That is, you will often be pushed to think, or create, or consider ... more generally to "use" the information you are learning in some active way. These active learning opportunities give your cognitive processes exercise just as a gym gives you muscles exercise, and working with content allows you to learn it more deeply.

In fact, I have actually scaled back the number of lectures and the amount of textbook reading (compared to previous years), in order to increase the amount of active learning activities. My goal is to find the right balance, one that you will

find engaging, enjoyable, and one that will promote deep learning of psychology content and continued development of your core cognitive processes.

The remainder of this syllabus will provide more details about the specifics of this course, and how they map onto this general content versus skills framework.

Lectures & Text

Lectures

We present the lectures for this course using what we term the WebOption approach. The WebOption approach combines traditional and web-based presentation of lectures in an effort to provide students with additional flexibility in terms of how and when they watch lectures. In the fall of each year PsyA01 is offered both in a traditional classroom setting (L01) and in a so-called “fully online” (L99) section. As the lectures are given in the traditional section they are taped, then made available to the “fully online” section via streaming video, usually on the same day. We then use these streaming videos again in the Summer term (L99) thereby allowing us to offer this course two terms of the year. Thus, in the Fall term both traditional and web-based lectures are available whereas we offer only the web-based approach in the Summer term.

Note the PsyA02 is a continuation of this course. It uses the same text, and the same approach to teaching with both traditional and web-based sections available. However, in contrast to this course, the traditional section is only available in the Winter for PsyA02. Once again, only the web-based approach is available in the summer.

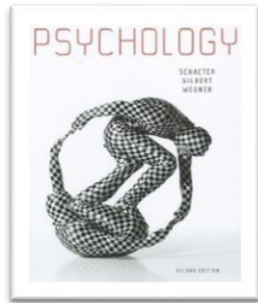
The only real difference between the traditional and web-based sections of this course is with respect to the lecture itself. Whereas the traditional approach requires you to be in class at a certain time, the web-based approach gives you far more flexibility in where and when you view the lectures. It also allows you to pause lectures (if taking notes, or if you need a washroom break perhaps) and you can also rewind if you missed part of a lecture. Given these features, many students prefer the web-based approach.

Note that initially only those registered in the L01 section can attend the traditional lectures; those in the L99 section should simply keep an eye on the “lectures” link from course blackboard page, and watch the lectures online when they become available. However, ALL students will have access to the online lectures (which, again, are simply recordings of the traditional lecture) and before long many students officially registered in

the L01 section will decide they prefer to watch lectures online. At that point the class will begin to empty out (usually a couple of weeks into the term) and when I feel there is sufficient space I will eventually invite any students who wish to into the traditional lectures. So eventually you will be able to either attend the lectures as they are presented, or watch the recordings online. At that point, there really is no difference whatsoever between the L01 and L99 sections.

One last important note about my lectures ... while my lectures will be inspired by your readings in the textbook and will often involve me discussing the same concepts, I will discuss them in different contexts and may even bring in some information not in your textbook. You will be tested on both the textbook content AND the lecture content so please make sure you watch all lectures and consider them deeply. No matter what you may hear from others, it is not sufficient to just read the text, or just watch the lectures; I expect you to know both.

The Textbook



The textbook we will be using for this course is called Psychology (2nd Edition) and is authored by Dan Schacter, Dan Gilbert & Dan Wegner. As all three of these authors have the same first name, this text is sometimes colloquially called “The 3 Dans”.

In PsyA01 we will cover chapters 1 through 8 of the text in the order in which they appear. In PsyA02 we will continue on covering the rest of the chapters in order.

As of the Fall of 2012 this is a new textbook. It is a less detailed book than the one we used to use and I **WOULD NOT** recommend you use the old textbook. Yes it covers some of the same material (and more!) but this one is easier to read, contains the important stuff without going into little details, and is just generally a better book for the course in my opinion.

Now, note this is the “2nd Edition”. The one thing I do not like about this textbook is that many of the examples are very American-centric. They are currently creating a Canadian Edition that will likely be available next year, and I will likely switch to that next year. So what this means is that you may not be able to buy a used version of this text now, and you may not be able to sell your version next year.

Yes I know that is inconvenient but, in light of this, I have worked out the following deal with the publisher. There are two ways you can gain access to information in the text.

First, you can buy a looseleaf-binder version of the text for \$81.25 that will also give you access to a digital version of the textbook. I went with looseleaf because I know it will be very hard to sell used after this year ... so for \$81.25 you get a book that will do you for two courses ... not bad, even if it's not sellable thereafter (you can likely find a hardcover version online for much more if you think you really want one).

Second, you can also purchase access to just the digital version of the textbook. I negotiated a price of \$43.75 for that ... and you can buy this access from the bookstore as well. It contains all the same information as the looseleaf version and is accessible from anywhere ... and \$44 for two courses? That's about as good as it gets.

For what it's worth, unless you are planning on treating the looseleaf version gently and keeping it for yourself after the course is done, I would recommend the digital version. It's both cheap and convenient (as long as you don't mind reading on electronic devices) and I guarantee you will have access to exactly the same content. Of course your access will end after a year though ... so if you weren't planning on taking A01 and A02 back to back, then maybe the looseleaf version is smarter.

Evaluation

OK, to start, what's with this "fully online" section anyway? Well, we have restructured the course significantly in anticipation of people taking this course from anywhere across the province or even the world. However, even those people would have to write a traditional "sit down" final exam ... as will all of you. So by "fully online" what we mean is that, prior to the final exam, all other assessments will be performed online ... and this is true even for those students in the L01 section.

Let me first give you the breakdown of the assessments that will go into your mark, and then I will explain each of these in more detail below. OK, in the order in which they will happen then ...

2%	....	Completing the Digital Labcoat questionnaire (end of Week 1)
7%	....	The Digital Labcoat activity (during Week 3)
2%	....	First mTuner activity (end of Week 3)
8%	....	Second mTuner activity (end of Week 6)
8%	....	Third mTuner activity (end of Week 9)
12%	....	peerScholar activity (Week 10)
8%	....	Fourth mTuner activity (end of Week 12)
50%	....	Cumulative Final Exam (Scheduled by registrar)
3%	....	Experimental Participation (throughout the term)
3% (bonus)		Wikipedia Edits (throughout the term)

The Digital Labcoat activity (9% overall)

Psychology is a science; it uses research and data analysis to inform theories and to test hypotheses. The second chapter of the text will describe the scientific process and will end by telling you a little about how scientists use data to test their ideas and come to conclusions. The Digital Labcoat activity is intended to provide you with direct experience thinking like a scientist, while also exposing you to many of the basic realities of the scientific process.

It will involve several steps and if you go through these steps in a conscientious way you can earn quite a few marks in a relatively easy way. Here are the things we'll ask you to do. First we'll ask you to fill out a questionnaire that asks you all sorts of questions. This is the data we'll use for in our assignment, so when you are testing hypothesis, you will be learning about yourself and your classmates! Makes it more fun. Second, using the Digital Labcoat tool, we'll ask you to generate and test some

hypotheses in quest of some kind of interesting aspect of the data. Once you find something you think is kinda cool you can submit it into the “most interesting finding” competition. In the third step we will ask you to look at the findings others have submitted and to try “replicating” 10 of them to see if they replicate or not. Finally, in the fourth step, you will be shown the top 10 “interesting findings” (maybe including yours!) and you can do one of two things; either provide a novel theoretical account of one of the findings (that is, how would you explain that finding?), or you can vote on the theoretical accounts provided by others (which seems most true to you). All of this will be explained in greater detail on a separate link of the course page (look for a Digital Labcoat link on the left margin) ... but the general idea is to get you thinking like a scientist before we jump into the really juicy parts of the course.

The mTuner activities (26% overall, 2% for the first, 8% for each of the next 3)

OK, maybe we could have called these tests or quizzes or something like that, but we didn't, we called them mTuner (mind tuner, or memory tuner) activities! We did that for a reason. When you take your car in for a tune-up, or when you tune a guitar, you first check to see how things are working in general, and then you fix up anything that isn't working as you hope it would. So the engine (or guitar) is better after you tune it than it was before. That is the spirit of mTuner! Yes these activities will assess your understanding of the course material covered so far, but they will do so in a way that identifies holes in your knowledge, or misconceptions you might have, and fixes them. In so doing they combine assessment with education in a way that has been shown to provide powerful learning. Let me explain ...

First, there will be four of these activities, one after each pair of chapters covered (we'll cover 2 chapters every 3 weeks). Each will be an enhanced multiple-choice test as I will describe. Because these will be new and wondrous beasts to you all (and because the software we are using is also new), the first one will be mostly to give you a clear sense of the process ... you will get 2% simply for completing the activity. After that, the next three will be worth 8% each.

OK so how do these activities actually work? Well, you'll get 40 questions each time. In the first activity, these questions will only come from the first 2 chapters (and associated lectures). For the second they will MOSTLY come from chapters 3 and 4, but will also include some from 1 & 2. For the third they will MOSTLY come from 5 and 6 but contain some from 1, 2, 3 & 4. For the fourth they will MOSTLY focus on chapters 7 & 8 but will include questions from all chapters. So we'll be trying to keep the older material in mind as you learn new stuff, ultimately building your knowledge base, tuning it up as we go along.

Each question will work as follows. You will first see the question and will be asked to simply type out what you think the answer is. That will get your brain warmed up and ready to learn. Then you will see four alternatives and will be asked to choose the right one. If you do, 1 point will be added to your "score", if you choose wrong 1 point will be deducted from your score! (dum dee dum dum). However, if you choose wrong you will also be given a second chance. Specifically, we will show you a paragraph from the textbook (or text from a lecture) that is related to the question. You will be given some time to look it over, and then can return to the question and make a second choice. If you get it right this time the point that you lost is regained ... so you don't lose (or gain) any points for that question.

Even if you do get it wrong on both attempts we will show you the right answer, and explain to you why it is right, before we move on to the next question. That's the tune-up idea. Research has shown that if students are not told a given answer is incorrect, they will continue to remember the incorrect answer as being correct. We don't want to let that happen. So yes we're testing what you know, but we're also trying to "fix" any misconceptions you might have, or "fill" any knowledge gaps, by making sure you know and understand the right answer after doing a question. Sometimes the best time to learn is when you are being assessed.

So really these activities are more about preparing you for the final exam (i.e., tuning your knowledge base) then they are about testing you (though admittedly they do both).

Oh, so how do we go from a score to a mark? Well, we have a formula for that ...

$$\text{mark} = (\text{total score} + 40) \times 0.1$$

If you put some reasonable effort into these activities you will generally do well and you should learn a lot as you do. We've done the math ... even if you chose randomly you would get 3.5 out of 8 ... so as long as you know anything you should get a decent mark and learn a lot in the process. Again, the idea is to "tune up" what you know by correcting any misconceptions and filling in any missing knowledge. Do these well and you should be well prepared for the final exam, plus you could go into the exam with a decent mark.

Oh, these mTuner activities will occur on Friday mornings ... with you beginning your assessment sometime (of your choosing) between 8 am and noon. They will be administered online. So you will be expected to login to a website (details provided online shortly), you will be given about an hour and a half to complete the questions.

The peerScholar Activity (12%)

Each peerScholar activity has three steps. First you will be asked to write a short composition (4 to 6 paragraph) that presents an "argument" related to some issue specified by me (I sometimes like to feed off of current events, so I won't decide the issue until part way into the term). In the second step you will be required to rate and provide feedback on six compositions submitted by a randomly selected (and anonymously presented) subset of your peers in the class, and six peers will rate and comment on your piece at the same time. In the third step you will then be allowed to revise your composition in light of the feedback you received, with TAs ultimately grading you on the final composition, the quality of the comments you gave to your peers, and the appropriateness of your revisions in light of the comments you received.

A great deal of research has shown that by allowing students access to their peers' work they gain a much clearer sense of what makes a composition poor versus good, especially if they are asked to directly assess the work they see. This is referred to as constructivist learning

because you “figure out” what makes something good rather than just being told some rules to look for. So these assignments develop critical thought and clear verbal expression, and they also teach you how to both give and react appropriately to feedback. More cognitive exercise!

All of this is done online. Again, a much more detailed description will be presented in the peerScholar link in the left margin of our class blackboard page.

Cumulative Final Exam (50%)

Cumulative? What? That’s right, there are no real midterms in this class, just one big exam waiting for you at the end. Well, the truth is it’s not that big ... it is composed of 80-100 multiple-choice questions presented in a traditional (as opposed to the mTuner) manner. So you will come in to an exam room, sit down with your peers, and write the final exam using scantrons while being supervised. This is really the only thing you cannot do online in this course, you must write the exam at UTSC as layed out by the registrar. The registrar does not schedule these exams until the last few weeks of the term.

But yes, the exam is on the entire course ... that means EVERYTHING presenting in the textbook and EVERYTHING I discuss in lectures. I will try very hard to be fair, focusing on what I view as the relevant issues rather than the picky details. But if it is in the text or in my lectures it is fair game.

As we have more details about the scheduling and specifics of the exam, we will post them on the main course webpage.

Experimental Participation (3%)

With respect to experimental participation, many senior undergraduates, graduate students and faculty conduct research aimed at better understanding psychological processes. You will read about such research throughout the course, but to make what you read more concrete another component of the class involves you serving as a participant in ongoing research. Being a participant will give you the chance to interact directly with a researcher in the context of some specific experiment, and our hope is

that you will come to a better understanding of psychological research through this experience. In a sense, this is the lab component of this course. You earn 0.5% for every 30 minutes of participation up to a maximum of 3%.

You use a system called TAPS to find and schedule experiments, and I will explain that system to you in around the second or third week of classes. But essentially, once it's ready to go you can start scheduling experiments. New experiments will be regularly posted ... so basically you earn your credits slowly over the term as suitable experiments (i.e., one's that you want to do and that fit your schedule) become available.

An alternative assignment has also been created for those who prefer not to participate in research studies. The due date for the alternative assignment will be the same as the last day to participate in research (this is typically during the final exam period). An announcement will be made on the course Blackboard page once this date has been set. Please follow the [The Academic Pool Scheduler \(TAPS\)](#) link on the course Blackboard page to find out more about the structure of TAPS and how to participate. Please address any questions you have about TAPS to the TAPS discussion forum thread in Blackboard.

Bonus Marks! Wikipedia Edits

In addition to the compulsory components of this class it will also be possible to receive an additional 3% worth of bonus marks by making voluntary Wikipedia edits. As a student in this class you have become part of the larger psychological community. Several organizations represent the psychological community including the Association for Psychological Science (APS). APS has recently put forth a challenge to the psychology community. They argue that when people want to know about anything these days, including learning about psychological phenomena or theories, they go to Wikipedia. But it turns out that the Psychology content on Wikipedia is extremely poor. So the challenge is for us, the community, to do something about this. If you're interested in being a part of this citizenship effort ... via a process that I think will teach you a lot of great skills ... then I will tell you how to do it, and how you can earn bonus marks in the process!

As will be true of all the components described here, look for a link off of the course website related to this activity. It will provide the details when they are available.

Important Notes Concerning Evaluation

Re-weighting. Everything described above is considered a compulsory part of the class. That is, I expect all students to do all of these activities. I believe the evaluation is most fair when all students complete all components with no special consideration being applied. That said, sometimes things happen. Maybe some of you will suffer a documentable illness, or maybe some of our technology will run into issues (we are using some new programs to administer our activities). Given this, if some given student is unable to complete an activity for a reason I deem appropriate I reserve the right to transfer the weight of that activity to the final exam for that student. I would not consider this something you should desire. The final exam could be the most challenging aspect of the course. So it would be much better to insure that you complete each activity within the specified time period.

Research Activity. As mentioned, this course includes many innovative new tools that I I feel believe will enhance your learning. However, science is based on data, not beliefs, and as one interested in educational technologies I will be conducting research designed to assess the effectiveness of these tools. Thus I may, on occasion, ask you to fill out a questionnaire, or I may wish to perform various analyses comparing how students do on various components of the class. If you do not want your data used in any research, please let me know and I will take steps to exclude your data from any analyses I perform.

Academic Integrity: The University highly values scholarship and academic achievement and takes very seriously any suspected or known cases of cheating and plagiarism. Students are highly encouraged to read the guide on [How Not To Plagiarize](#) and to take advantage of [writing resources](#) on campus. In addition, our campus has a general [code of conduct](#) that all students are expected to follow when interacting with peers, staff of faculty. The keyword here is respect, a good educational context is one in which all parties respect one another's perspective and opinions.

Personal Integrity: As I hope this syllabus shows, I take my responsibility to provide you with the best education very seriously. Part of that responsibility is to be fair with respect to how I assess your work. Part of that means judging all of my

students using the same yardstick. What I have laid out above is that yardstick, the things I will ask you to do to show me what you have learned. So with this in mind please respect the following two values I hold close; (1) I firmly believe that marks are to be earned, not given ... so please never ask me to give you a mark unless you feel you have earned it, and (2) I feel it is unfair to offer any student an opportunity that I don't offer to the entire class ... so please do not ask for any sort of special treatment. Instead, take the course seriously, understand the expectations laid out here, and just do your best.

You're Not Alone!

There are almost 2000 students in this class, quite a transition from high school! However, I sincerely hope that you do not feel like we don't care about you ... we do! However, we obviously cannot look over your shoulder and know when you may or may not need help with something. THAT part we must leave up to you. But when you DO need help, I certainly hope we are there for you. We have set up a number of mechanisms to help you with any questions or issues you might have ... please take the time to follow the right path and you should get help soon. If we work together we can make the class feel welcoming and responsive to you, and manageable for us. Here's how ...

If you have a question related to the content of the course ...

The Discussion Forum: Your First Stop

Content-Related Questions. Each chapter has one TA devoted to it. That TA will read the chapter carefully, and will be in charge of monitoring the discussion forum thread for that chapter. So if you do have a question related to content, go to the thread for the relevant chapter, make sure your question has not yet been asked (and answered!) and, if not, post your question. The TA for that chapter should answer your question soon (for all to see) ... or maybe a classmate will answer it for you first! If you see a question that you feel you can answer, please do so ... it's a way for you to make others in the class feel welcome and valued. If the TA for a given chapter feels a student-provided answer could be improved, they will chime in with anything additional they feel is relevant. I will also monitor all chapters of the discussion forum and will chime in on occasion as I see fit.

Administrative Questions. Hanan Domloge (SW427D) provides administrative support for this course, and different TAs are helping with specific activities. If you have administrative questions about the course

in general, or any of the activities in specific (e.g., when things are due, what to do when something is late, what website to log into, etc.) then again, the discussion forum is the place to start. There will be threads associated with each activity, and a thread associated with the course in general. If you have a question that isn't already answered in its appropriate thread please post your question there and the appropriate person will respond as soon as possible.

Office Hours!

Do you feel that classes at UofT are so big that you can't ever just speak with your profs? Silliness ... I have office hours twice a week and often nobody comes by! Do you have a question about the course, about psychology, or about university in general? Come by. My office hours are listed above and you should always feel welcome.

Note that sometimes I will have to reschedule, or even cancel, office hours ... I will always try to give you notice if that will be the case. And if my office hours do not work for you, let me know and we can find a different time to meet.

Should you e-mail me? OK, this is kinda tough for me ... I really want to say yes because I do love chatting with you guys. But as this class has grown I find myself answering e-mails for the first 3 hours of every day, many of which would have been better answered on the discussion forum where others would also benefit from the reply. This is really getting overwhelming and making it difficult for me to do much else. So while I don't want you to feel you cannot e-mail me (you certainly can, I am joordens@utsc.utoronto.ca) I do ask that you only e-mail me if your question or issue does not fall into one of the categories described above. That's fair, no?

Let me also emphasize that students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, please feel free to approach me and/or the AccessAbility Services Office as soon as possible. The UTSC AccessAbility Services staff (located in S302) are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations (416) 287-7560 or ability@utsc.utoronto.ca. The sooner you let us know your needs the quicker we can assist you in achieving your learning goals in this course.

Course Timetable

Lectures will be on Mondays and Wednesdays in AC223. So two 50 minute lectures per week, and I plan to give 3 lectures per chapter of the text. That means we will cover 2 chapters every 3 weeks. The single best thing you can do to get a good mark in this course is to keep up ... read along at this rate and watch all the lectures. With this in mind, this is how I see the course lectures and activities occurring.

Week	Lectures (Chapter.Lecture)	Activities
Week 1 (Sept 10 th) Digital Labcoat survey	1.1, 1.2	complete
Week 2 (Sept 17 th)	1.3, 2.1	
Week 3 (Sept 24 th) activity, mTuner1	2.2, 2.3	begin Digital Labcoat
Week 4 (Oct 1 st) Labcoat activity	3.1, 3.2	complete Digital
Week 5 (Oct 8 th)	3.3, 4.1	
Week 6 (Oct 15 th)	4.2, 4.3	mTuner2
Week 7 (Oct 22 nd)	5.1, 5.2	
Week 8 (Oct 29 th)	5.3, 6.1	
Week 9 (Nov 5 th)	6.2, 6.3	mTuner3
Week 10 (Nov 12 th)	7.1, 7.2	peerScholar
Week 11 (Nov 19 th)	7.3, 8.1	
Week 12 (Nov 26 th)	8.2, 8.3	mTuner4