

Psychology 51: An Introduction to Psychology

Monday, Wednesday & Friday 11:00 a.m.
Lincoln 1125

Professor Richard Lewis
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Neuroscience Program
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Required Textbooks:

Pettijohn, T.F. (2007). Classic Edition Sources: Psychology (4th edition).
Dubuque, IA: McGraw Hill (about \$40)

Marcus, G. (2006). The Norton Psychology Reader. New York: Norton.
(about \$30)

Dewey, R.A. (2007). Psychology: An Introduction.
<http://www.intropsych.com/index.html>

Laboratory Experiments

<http://opl.apa.org>

Class ID: 3544

Tentative Schedule

Wed Sep 2: What is Psychology?

Sources

1.1: William James (1890): from “Principles of Psychology”

Assignment for Friday: **What is the distance of “personal space”?**

Optional Online Resource

Sommer (1959)

Fri Sep 4: Psychological Research: Descriptive and Experimental methods

The Norton Psychology Reader

Stanovich (2004): from “How to Think Straight about Psychology”

Online Reading:

Anderson et al. (1999): Research in the Psychological Laboratory

Optional Resources

Research Methods

<http://faculty.frostburg.edu/mbradley/researchmethods.html>

Means and standard deviations:

<http://www.uwsp.edu/psych/stat/5/CT-Var.htm>

Effect size:

<http://web.uccs.edu/lbecker/Psy590/es.htm>

Mon Sep 7: Labor Day--No Class

Wed Sep 9: Psychological Research: Correlational Methods

The Norton Psychology Reader

Huff (1982): from “How to Lie with Statistics”

Resources

The correlation:

<http://www.uwsp.edu/psych/stat/7/correlat.htm#I1>

Fri Sep 11: Obedience to Authority & Ethical Principles of Conducting Psychological Research.

NO CLASS – watch Replication of Milgram’s Obedience Study on etv.

Assignment for Monday Sep 14: Read the Belmont Report. Was Milgram’s experiment ethical or unethical? Why or why not? (maximum length: one page)

Resources:

Belmont Report: Ethical Principles and Guidelines for the Protection of Human Subjects of Research:

<http://ohsr.od.nih.gov/guidelines/belmont.html>

Optional Reference: American Psychological Association Guidelines

<http://www.apa.org/ethics/code2002.html>

Sources

45. Stanley Milgram (1963): Behavioral Study of Obedience.

Optional Resource

Berger (2009): Replicating Milgram: Would People Still Obey Today?

Mon Sep 14: Application of Correlational Method in Psychology: The role of genetics (and environment) in behavior

Norton Psychology Reader

Marcus (2004): from “Birth of the Mind”

Nasar (1998): from “A Beautiful Mind”

Online Reading

Bouchard et al. (1990): Sources of human psychological differences; The Minnesota study of twins reared apart.

Bouchard (2004): Genetic Influence on Human Psychological Traits: A Survey

Wed Sep 16: Evolutionary Framework of Psychology

Norton Psychology Reader

Pinker (1997): from “How the Mind Works”

Sources

4. DeKay & Buss (1992): Human Nature, Individual Differences, and the Importance of context.

Online Reading

McAndrew (2002): New Evolutionary Perspectives on Altruism

Fri Nov 18: Love, Sex and Evolution

Sources

29. Robert Sternberg (1988). The Ingredients of Love.

Online Reading

Buss (1999). The strategies of human mating

Dutton & Aron (1974). Some evidence for heightened sexual attraction under conditions of high anxiety.

The Norton Psychology Reader

Angier (1999): from Woman: An Intimate Biography

Mon Sep 21: Biological Perspective: Brain Plasticity and The Role of Experience

Online Reading

Kolb et al. (2003): Brain Plasticity and Behavior

Rosenzweig et al. (1972). Brain changes in response to experience

Dewey

Chapter 2: The Human Nervous System, Part Three: Neurons

Wed Sep 23: Biological Perspective: Gall, Gage, and Localization of Function

The Norton Psychology Reader

Damasio (1994): Phineas Gage

Online Reading

Broca (1861): Loss of Speech...

<http://psychclassics.yorku.ca/Broca/perte-e.htm>

Dewey

Chapter 2: The Human Nervous System, Part One: The Brain

Fri Sep 25: Biological Perspective: The two sides of the brain

Sources

5. Roger Sperry: Hemisphere Disconnection and Unity of Conscious Awareness

Student presentation:

Group 1: Word Recognition

Mon Sep 28: Sensing and Perceiving the World

The Norton Psychology Reader

Sacks (1985): The Case of Christina. from “The Man Who Mistook His Wife”

Hoffman (1998): from “How We Create What We See”

Hughs (1999): from “Sensory Exotica”

Student presentations on Sensation-Perception Experiments

Group 2: Line Motion

Group 3: Muller-Lyer Illusion

Group 4: Ponzio Illusion

Optional Dewey

Chapter 4: Senses and Perception, Part One: The Visual system

Wed Sep 30: Perceiving the World: The role of nature and nurture

Online Readings

Turnbull (1961): Some observations regarding the experiences and behavior of the BaMbuti Pygmies

http://www.wadsworth.com/psychology_d/templates/student_resources/0155060678_rathus/ps/ps06.html

Gibson & Walk (1960): The visual cliff

http://wadsworth.com/psychology_d/templates/student_resources/0155060678_rathus/ps/ps05.html

Fri Oct 2: The First Midterm

Mon Oct 5: The Developing Mind: Stages of Development

Sources

30. Piaget (1962). Stages of the Intellectual Development of the Child

Online Reading

Baillargeon (2004): Infants physical world

Mentor: How to use PsychInfo to find psychological literature

Wed Oct 7: The Developing Mind: Intentions and Mirror Neurons

Norton Psychology Reader

Gopnik et al. (1999): The Scientist in the Crib

Bloom (2004): Descartes' Baby

Grandin (1995): from My Life with Autism

Online Reading

Woodward (2009): Infants 'grasp of others' intentions

Fri Oct 9: : The Developing Person: Social Attachment

Online Reading

Harlow (1958): Discovering Love

<http://psychclassics.yorku.ca/Harlow/love.htm>

Sources

31. Ainsworth (1979): Infant-Mother Attachment

Monday Oct 12: Freud and Psychoanalysis

No Class – Watch Biography of S. Freud on etv

Sources

11.33: Freud: The Psychological Apparatus

13.40: Freud: from Inhibitions, Symptoms, and Anxiety

Norton Psychology Reader

Freud (1962): from “The Unconscious”

Dewey

Chapter 11: Personality, Part Two: Freud’s Theory

Wed Oct 14: The Learning Perspective: Classical Conditioning & Little Albert

Dewey: Chapter 5: Conditioning, Part 1: Classical Conditioning

Sources

2. Watson (1913): Psychology as the Behaviorist Views It

15. John B. Watson and Rosalie Rayner: Conditioned Emotional Reactions

Fri Oct 16: Classical Condition and Treatment of Phobias

Dewey

Chapter 13: Therapies: Part Three: Behavior Therapies: Desensitization Therapy

Online Resource

Craske & Waters (2005): Panic disorder, phobias, and generalized anxiety disorder

Independent Research Project Deadline: Generate general idea of what you wish to study

Mon Oct 19: Fall Break

Wed Oct 21: The Learning Perspective: Operant Conditioning, Learned Helplessness & Depression

Dewey: Chapter 5: Conditioning, Part 3: Operant Conditioning

The Norton Psychology Reader

Jamison (1995): from An Unquiet Mind

Kramer (1993): from Listening to Prozac

Sources

16. B.F. Skinner (1953): Shaping and Maintaining Operant Behavior

41. Seligman (1973). Fall into Helplessness

Online Reading

Jacobs (2004): Depression

Fri Oct 23 The Learning Perspective: Social Cognitive Learning

Online Reading

Bandura et al. (1961): Transmission of aggression through imitation of aggressive models.

http://wadsworth.com/psychology_d/templates/student_resources/0155060678_rathus/ps/ps11.html

Sources

48. Bandura, Ross & Ross (1963). Imitation of Film-Mediated aggression.

Mon Oct 26: The Cognitive Perspective: Intelligence

Sources

22. Rosenthal and Jacobson (1966). Teacher's expectancies

Marcus

Goleman (1995): from Emotional Intelligence

Online Reading

Gardner (2004). A Multiplicity of Intelligences

Student Presentation

Group Presentation 5: Mental Rotation

Wed Oct 28: The Cognitive Perspective: Remembering

The Norton Psychology Reader

Schacter (1996): Searching for Memory

Student Presentation

Group 6: Self Reference

Fri Oct 30: The Cognitive Perspective: Misremembering

Sources

20. Loftus (1975). Leading questions and the eyewitness report.

Student Presentation

Group 7: Be a Juror

Independent Research Project Deadline: Find three studies in the literature related to your project

Mon Nov 2: Language

Norton Psychology Reader

Chomsky (1959): A review of B.F. Skinner's Verbal Behavior

Pinker (1997): from The Language Instinct

Baker (2001): from The Atoms of Language

Student Presentation

Group 8: Lexical Decision

Mentor: How to create surveys

Wed Nov 4: The Second Exam

Fri Nov 6: Consciousness: Sleep and Dreaming

Sources

12. Aserinsky & Kleitman (1953). Regularly occurring periods of eye mobility and concomitant phenomena during sleep.

Online Reading

Dement (1960). The effect of dream deprivation.

Optional Dewey

Chapter Three: States of Consciousness, Part Two: Sleep

Mon Nov 9: Consciousness: The Significance of Dreaming

Sources

11. Freud (1900): The dream as a wish-fulfilment.

13. Hobson & McCarley (1977). The brain as a dream-state generator.

Wed Nov 11: Personality

The Norton Psychology Reader

Kagen (1994): Galen's Prophecy

Harris (1998): The Nurture Assumption

Gladwell (2004): Personality Plus

Nisbett (2003): from "The Geography of Thought"

Sources

34. Rotter (1971). External control and internal control.

35. McCrae & Costa (1987). Validation of the five-factor model of personality across instruments and observers.

36. Markus & Kitayama (1991). Culture and the self.

Assignment: Take online personality test

<http://test.personality-project.org/>

Optional Dewey

Chapter 11: Personality, Part One: What is Personality?

Independent Research Project Deadline: Research Design Complete

Fri Nov 13: Universals and Culture: The Case of Emotions

The Norton Psychology Reader

Brown (1991): from “Human Universals”

LeDoux (1996): from “The Emotional Brain”

Ekman (2003): from “Emotions Revealed”

Sources

28. Ekman et al. (1969). Pan-cultural elements in facial displays of emotion.

Optional Online Resource

Elfenbein & Ambady (2003). Universals and Cultural Differences in Recognizing Emotions.

Mon Nov 16: Motivation

Sources

24. Maslow: A Theory of Human Motivation

25. Bandura: Self-efficacy

26. Deci: Work: Who does not like it and why

*Online Reading

Festinger & Carlsmith (1959). Cognitive consequences of forced compliance.

http://wadsworth.com/psychology_d/templates/student_resources/0155060678_rathus/ps/ps13.html

*Topic of class discussion

Wed Nov 18: Stress and Health

The Norton Psychology Reader

Sapolsky (1994): from Why Zebras Don't Get Ulcers

Sources

37. Hans Selye (1973): The evolution of the stress concept
38. Richard Lazarus (1984): Little hassles can be hazardous to health

Mentor: How to create a scientific poster

Fri Nov 20: Sociocultural Perspective: When will people help?

Sources

46. Darley & Latane (1968): When will people help in a crisis.

Optional Resource

Darley & Latane (1968). Bystander intervention in emergencies
http://wadsworth.com/psychology_d/templates/student_resources/0155060678_rathus/ps/ps19.html

Mon Nov 23: Sociocultural Perspective: Stereotypes and Prejudice

Online Reading

- LaPiere (1934). Attitudes and actions
- Steele, C.M. (1999). Thin Ice: 'stereotype threat' and Black College Students
- Dovidio & Gaertner (1999). Reducing prejudice: combating intergroup biases.

Sources

47. Sherif (1958). Superordinate goals in the reduction of intergroup conflict.

Student Presentation

Group 9: Implicit Association Test

Wed Nov 25: Conformity (No Class Session)

- [Listen](#) to a BBC radio broadcast discussing Asch's (1951) Experiment and conformity in society today.

<http://www.simplypsychology.pwp.blueyonder.co.uk/conformity.html>

Watch: Conformity video clip

<http://www.simplypsychology.pwp.blueyonder.co.uk/asch-conformity.html>

Online Reading

Asch (1955). Opinions and social pressure.

http://wadsworth.com/psychology_d/templates/student_resources/0155060678_rathus/ps/ps18.html

Fri Nov 27: The Day After Thanksgiving

Mon Nov 30: Sociocultural Perspective: Roles (NO CLASS SESSION)

Zimbardo, P. The Stanford Prison Experiment (1968).

<http://www.prisonexp.org/>

Watch The Stanford Prison Experiment on:

<http://etv.pomona.edu>

Wed Dec 2: The Nature of Mental Illness

Dewey

Chapter Twelve: Abnormal Psychology, Part One: Defining Abnormal Behavior

Sources

39. Rosenhan (1973): On being sane in insane places.

Independent Research Project Deadline: Data analysis completed

Fri Dec 4: Is Psychotherapy Effective?

Sources

14.43: Seligman from “The Effectiveness of Psychotherapy”

Optional Online Resource

Eysenck (1957): The effects of psychotherapy

<http://psychclassics.yorku.ca/Eysenck/psychotherapy.htm>

Mon Dec 7: Psychotherapies

Sources

42. Carl R. Rogers: Some hypotheses regarding the facilitation of personal growth

43. Aaron T. Beck: Principles of Cognitive Therapy

Dewey

Chapter 13: Therapies

Part One: The Psychodynamic Therapies: The Psychodynamic Approach to Psychoanalysis

Part Two: Different Approaches to Counseling: Rogerian Counseling to Criticisms of Rogers

Part Four: Trends in Therapy

Wed Dec 9, 11-1: Poster Session SCC Courtyard or Edmunds Ballroom

FINAL EXAM: Monday December 14, 9-10:30.

Grading

There will be a total of 120 points possible in the course. 90 points will come from three “midterm” exams, and 30 points will come from an independent research project that will be publicly presented in the form of a poster session at the end of the semester, along with additional “laboratory” course assignments.

Laboratory Component

Throughout the course, we will engage in different laboratory exercises. The most important exercise will be the development of your independent research project. The project can be broken down into the following components:

- 1) Generate general idea of what you wish to study- Fri Oct 16
- 2) Find three related studies in the literature-Fri Oct 30
- 3) Design experiment
- 4) Research Design Complete-Fri Nov 13
- 5) Collect Data
- 6) Data collection completed-Wed Nov 25
- 7) Analyze Data
- 8) Data analysis completed-Wed Dec 2
- 9) Prepare Poster
- 10) Present Poster-Wed Dec 9: 11-1 Edmunds Ballroom

At the end of the semester, you will publicly present your research in the form of a poster. All sections of Introductory Psychology will participate in the session. Instructions for how to prepare a poster, as well as an illustration of a sample poster, can be found on the Psychology Department Website under the “materials” section. Information about how to write an APA style journal article can also be found within this section. See: <http://psychology.pomona.edu> for more information.

In addition, students are required to participate in two psychological experiments (or up to two hours of participation, whichever comes first). The experiments will enable you to get an inside perspective on how psychological research is conducted. You will be given an informed consent form to sign at the beginning of the experiment, and you are entitled to ask any questions of the experimenter at this point. All experiments will have been approved by a Human Subjects Participation Committee prior to being conducted at Pomona College. However, if you feel that you do not wish to continue for any reason whatsoever, you are free to do so without any consequence. If you have any concerns about the experiments being conducted at Pomona, you should contact Associate Dean Conrad (x18328), who is in charge of ethical principles for research at Pomona.

At the conclusion of your participation you should be debriefed by the

experimenter. This may be done verbally or you may be handed a debriefing sheet. You are entitled to be debriefed, and if not debriefed immediately, you should be given a satisfactory explanation as to why you will be debriefed at the conclusion of the research study. Psychologists never provide you with your individual data. However, you are entitled to receive the general results of the experiment at the conclusion of the study. Sign-up sheets for the participation are posted outside of Mason 102B during the semester. Those who do not wish to participate as subjects will be given an alternative written assignment. Failure to complete the requirement will result in a reduction of your final grade. You will be given research completion forms from the experimenters at the conclusion of your participation.

Grading Scale

90% and above A range

80%-89% B range

70%-79% C range

60%-69% D range

Below 60% F

Some Policies

1. There will be no change in the dates of the exams, including the Final Exam. If there is a conflict, let's discuss it during the first week of classes. Changes in the final exam date must be approved through a petition to the APC.
2. There will not be any make-up exams. If you are seeking an exception to this, a note from Baxter or from Dean of Students is mandatory AND the instructor must be informed prior to the examination.
3. The Academic Honesty policy as outlined in Freshman Seminar handout and catalog will be strictly enforced.
4. You must complete all requirements for the course in order to pass the course. Failure to do so will result in an F or NC.

Some Links

Current Directions in Psychological Science:

<http://www.blackwell-synergy.com/servlet/useragent?func=showIssues&code=cdir>

American Psychological Association:

<http://apa.org>

Association of Psychological Science:

<http://www.psychologicalscience.org>

Psychweb:

<http://psywww.com>

Psychology Online Resource Central:

<http://www.psych-central.com>

Tips on How to Present a Poster:

http://www.sfn.org/am2005/index.cfm?pagename=resources_presentation

<http://www.swarthmore.edu/NatSci/cpurrin1/posteradvice.htm>