

Biology, Behavior and Injustice

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Professor: Dr. Alberto A. Martínez

HIS 366N, unique # 39602
CTI 370, unique# 34008
Spring 2012, MWF 1:00-2:00
classroom: Garrison Hall 0.102

Professor's office: Garrison Hall 0.138
office hours: MF 2:00-3:00 & by appt.
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Optional Discussion sessions:
Mondays 3:00-4:00 WAG 208
Wednesdays 11:00-12:00 PAR 310

TA Supplemental Instructor: Peter Hamilton
CTI SI: peter.e.hamilton@gmail.com
office: Caffé Medici, hours MW 12:00-1:00

Teaching Assistant: Alex Lang
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Course Description:

This course explores interesting episodes in the history of science, focusing on questions about what aspects of human behavior are essentially determined by biological factors rather than by experiences and society. Changing beliefs about what is natural have affected how some people are treated, so we will discuss the social consequences of such notions. The course will include the following topics: theories of race, Darwin's works, evolution in schools and U.S. courts, American eugenics and Nazi science, differences between women and men, IQ testing, the controversy about DNA and Rosalind Franklin, studies of twins separated at birth, genetic engineering, ethical issues on cloning animals and humans, biotechnology, the immortal cells of Henrietta Lacks, designer babies, biology in forensic science. This is a lecture course, with participation encouraged.

This course fulfills a College of Liberal Arts Science Component: Alternative Science & Technology course.

Texts:

Some readings are in the Course Packet, required, available at Jenn's Copy & Binding, 2518 Guadalupe St. There are no readings at the Libraries, on reserve, instead, all other readings will be available online through the UT Libraries website or on Blackboard: <https://courses.utexas.edu/> The readings vary in length, and you should read thoughtfully (underline, write on margins, or make outlines) rather than waste your time skimming and forgetting. *Every day when there is a scheduled reading, there will be a **Reading Confirmation Quiz** at the start of the class. To this end, **please bring a blank sheet of paper every day.*** All readings are from primary sources, such as original scientific texts that became very influential—including the following:

Francis Galton, "Comparative Worth of Races," and "Men of Science," in *Hereditary Genius* (London: Macmillan & Co., 1869), pp. 336-350; read also 351-353.

Charles Darwin, *Descent of Man* (1871), "On the Races of Man," pp. 215-250, and "Sexual Differences," pp. 316-405.

James Reed, *Man and Woman: Equal but Unlike* (Boston: Nichols and Noyes, 1870).

Cesare Lombroso, *Man of Genius* (London: Walter Scott, 1891), pp.133-150; 314-329.

Cesare Lombroso, *Criminal Man* (1st ed. 1876) translated and abridged by Gina Lombroso (New York: Putnam, 1911), selections from Chapters 1, 2, 3.

Cesare Lombroso, *The Female Offender* (1895) English translation, selections and "Introduction," by W. Douglas Morrison.

Julien Offray de La Mettrie, *Man a Machine* (Leiden: Elie Luzac, 1748).

Mary Shelley, *Frankenstein* (London: Lackington, Hughes, et al., 1818).

Francis Galton, "Eugenics: Its Definition, Scope and Aims," *American Journal of Sociology*, Vol.10, No.1 (July 1904), with commentaries.

Havelock Ellis, *The Task of Social Hygiene* (Boston: Houghton Mifflin Company, 1912/1916).

Adolf Hitler, *Mein Kampf* (1925-27), English translation, 3rd ed. (New York: Reynal & Hitchcock, 1941).

Attendance: in this course, attendance is required. There will be a sign-in sheet every day. The TAs check that signatures match attendance. If you do not sign, you will be counted as absent. Absences will be excused for medical reasons. **Any absence lowers your course grade by 0.5 course points.** Example: you earn an 85 in the course, but had 6 absences, your final course grade becomes: $85 - (6 \times 0.5) = 82$. We respect religious holidays, please notify me of your observance. By UT Austin policy, you must notify me of your pending absence at least 14 days prior to the date of a religious holy day; if you must therefore miss an exam or a quiz, you will be given an opportunity to complete the missed work within a reasonable time after the absence. If you miss a class you should get notes from someone who attended; so it is in your best interest to talk with other students early on, so that you won't feel rude asking favors from 'a stranger.' I will not hand out copies of my lecture notes because this course will test your dedication in paying attention and taking your own notes. The material covered in class will supplement the readings, but it will also differ, so attendance and note-taking are necessary, as every absence might lower your performance in the exams.

Internet/Computers: please do not use the internet while in the classroom, it is distracting to other students. If another student reports you (anonymously) or if a TA sees that you are using the internet, you will be counted as absent on that day (-0.5 course points).

Participation: please try to participate, speak up! At the end of the semester, the TAs and professor will decide if you have participated often, and if so, you will earn two bonus course points, an 88 will become an 90.

Grading information: First exam 20%, Midterm Exam 20%, Final Exam 30%, Quizzes 20%, Attendance 10%

Grading Scale: 100-95 = A, 94-90 = A-, 89-87 = B+, 86-84 = B, 83-80 = B-, 79-77 = C+, 76-74 = C, 73-70 = C-, 69-67 = D+, 66-64 = D, 63-60 = D-, 59-0 = F
 If this course is taken Pass/Fail, all Exams, Quizzes, requirements must be completed.
 Upon request, the University of Texas provides appropriate academic accommodations for qualified students with disabilities. For more information, contact the Division of Diversity and Community Engagement, Services for Students with Disabilities; call 512-471-6259.
<http://www.utexas.edu/diversity/ddce/ssd/>

University policies on plagiarism and academic dishonesty will be enforced in this course, following the UT honor code. If you use words or ideas that are not your own you must cite your sources. Otherwise you will be guilty of plagiarism. Please read the following guidelines:

http://deanofstudents.utexas.edu/sjs/scholdis_plagiarism.php

<http://www.lib.utexas.edu/services/instruction/learningmodules/plagiarism/>

<http://registrar.utexas.edu/catalogs/gi09-10/ch01/index.html>

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Course Calendar, Spring 2012

Required Readings

Jan.18 W	Intro: "All men are created Equal"?	
Jan.20 F	Adam and Eve, or polygenism?	
Jan.23 M	old theories of race	Report on Reconstruction
Jan.25 W	Darwin's evolution	
Jan.27 F	comparing human races	Galton, "Comparative Worth"
Jan.30 M	Darwin on human races	Darwin, "On the Races of Man"
Feb.1 W	different heads: women and men	Phrenological Journal
Feb.3 F	natural roles: women and men	Reed, "Man and Woman"
Feb.6 M	Darwin on males and females	Darwin "Sexual Differences"
Feb.8 W	<u>Exam</u>	
Feb.10 F	inheriting genius	Galton "Men of Science"
Feb.13 M	genius as insanity	Lombroso "Man of Genius"
Feb.15 W	I.Q. and the Bell Curve	
Feb.17 F	born criminals?	Lombroso "Criminal Man"
Feb.20 M	evil women?	Lombroso "Female Offender"
Feb.22 W	hypnosis	
Feb.24 F	are humans machines?	La Mettrie "Man a Machine"
Feb.27 M	free will and determinism	
Feb.29 W	life after death	"George Foster: Executed," and, "Frankenstein"
Mar.2 F	expansion day	
Mar.5 M	making better humans	Galton, "Eugenics"
Mar.7 W	wolves and dogs	Hitler, "Mein Kampf"
Mar.9 F	choosing healthy mates	Ellis, "Task of Social Hygiene"

March 11-17 *Spring Break*

Mar.19 M	behaviorism	Skinner, "Not a Cognitive Psychologist"
Mar.21 W	DNA and Rosalind Franklin	
Mar.23 F	altruism and survival	Dawkins "Selfish Genes"
Mar.26 M	<u>Midterm Exam</u>	
Mar.28 W	DNA and forensic science	
Mar.30 F	twins separated at birth	Bouchard, and National Geographic
Apr.2 M	rebels and conservatives	Sulloway
Apr.4 W	how women choose men	
Apr.6 F	game theory	"Prisoner's Dilemma"
Apr.9 M	prisoner's dilemma for birds	
Apr.11 W	monkeys and chimps	Goodall on chimpanzees
Apr.13 F	ants and sociobiology	
Apr.16 M	controlling evolution	Trut and Belyaev
Apr.18 W	being a victim: <i>Games People Play</i>	
Apr.20 F	the dangers of obedience	Milgram articles
Apr.23 M	prisoners and guards	Zimbardo, "Stanford experiment"
Apr.25 W	autism and Asperger's syndrome	
Apr.27 F	the divided brain	Taylor, McGilchrist, Ramachandran
Apr.30 M	technologies for reproduction and cloning	
May 2 W	equality and American politics	
May 4 F	Last day of class, review.	

May 11 Friday: 9:00-12:00 noon **Final Exam** during finals week, in class.