

Anne Balsamo

Undergraduate Course: Quarter System

Science, Technology and Race,

The broad objectives of this course include:

- 1) Overview of the treatment of race in the received histories of science and technology;
- 2) Introduction to the cultural studies of science and technology;
- 3) Discussion of the racial and ethnic aspects of contemporary scientific and technological formations;
- 4) Discussion of the representation of race in contemporary media.

Required Texts:

Sandra Harding, ed. The "Racial" Economy of Science (Indiana UP, 1994)

Discover Magazine: Special Issue: "Race: What is it Good For?" (Nov. 1994) (copies provided in class)

PPC Packet

Grade Requirements:

Biography/Bibliography assignment	20%
Midterm paper (5 pages)	30%
Final Paper (10 pages)	40%
Participation/Attendance	10%

WEEK	TOPIC	READING
Week 1	INTRODUCTION and HISTORY OF BLACKS IN SCIENCE	Harding, pp. 25-29 Bernal, pp. 47-63 Van Sertima Pearson
Week 2	WHO GETS TO DO SCIENCE?	Harding, pp. 198-200 Walter E. Massey Gordon George Takaki, pp. 201-209 Hammonds/Sands, pp. 239-248 Malcom, pp. 249-253
Week 3	SCIENTIFIC CONSTRUCTION OF RACE	Harding, pp. 81-83 Gould, pp. 86-115 Marshall, pp. 116-127 Lewontin, Rose, Kamin, pp. 142-160 <u>Discover Magazine</u>
Week 4	SOCIAL CONSTRUCTION OF RACE	hooks McIntosh BIOGRAPHY PAPER DUE
Week 5	RACE AND MEDICINE	Osborn and Feit Yee, et al Comments on Yee Jones, pp. 274-286 Bunkle, pp. 287-302
Week 6	EUGENICS: Science and Politics	Proctor, pp. 344-358 Appel Henry and Hillel Benedict TERM PAPER DUE
Week 7	MEDIA STUDIES OF RACE AND ETHNICITY	Attile/Blackwood Gaines Hall Jordon and Weeden McIntosh
Week 8	FEMINIST CULTURAL STUDIES OF SCIENCE AND TECHNOLOGY	Gilman Haraway Haraway, pp. 377-397
Week 9	ORIENTALISM, PRIMITIVISM, AND COLONIALIST DISCOURSES OF DEVELOPMENT	Banuri Said Montagu
Week 10	Wrap Up and Discussion of Papers	
FINALS WEEK FINAL PAPER DUE		

List of Readings in PPC Packet

HISTORY OF BLACKS IN SCIENCE

Pearson, Jr. Willie, "The Status of Black Americans in the Scientific Community," Black Scientists, White Society, and Colorless Science: A study of universalism in American Science, (Millwood, NY: Associated Faculty Press, Inc., 1985): 15-33.

Van Sertima, Ivan. "The Lost Sciences of Africa," Blacks in Science: Ancient and Modern (New Brunswick: Transaction Books, 1983): 7-26.

WHO GETS TO DO SCIENCE?

Yolanda Scott George, "The Status of Black Women in Science," The Black Collegian (May/June, 1979): 64+.

"Profile: Walter E. Massey: Scientist, Administrator, Role Model." Scientific American (June, 1992): 40-41.

Edmund W. Gordon, "Educating More Minority Engineers," Technology Review (July, 1988): 69-73.

SOCIAL CONSTRUCTION OF RACE

bell hooks, "Representing Whiteness in the Black Imagination," From: Cultural Studies, ed. Lawrence Grossberg, Cary Nelson, and Paula Treichler (New York: Routledge, 1992): 338-346.

Peggy McIntosh, "White Privilege: Unpacking the Invisible Knapsack," Peace and Freedom (Publication of the Wellesley College Center for Research on Women) (July/August, 1989): 10-12.

RACE AND MEDICINE

Newton G. Osborn and Marvin D. Feit, "The Use of Race in Medical Research," Journal of the American Medical Association, vol. 267, no. 2 (January 8, 1992): 275-279.

Albert H. Yee, Halford H. Fairchild, Fredric Weizmann, and Gail E. Wyatt, "Addressing Psychology's Problems with Race," American Psychologist (November, 1993): 1132-1140.

Comments on Yee, et. al. American Psychologist (January, 1995): 40-51.

EUGENICS: Science and Politics

Stephen W. Appel, "'Outstanding Individuals do not Arise from Ancestrally Poor Stock': Racial Science and the Education of Black South Africans," Journal of Negro Education, vol. 58, no. 4 (1989): 544-557.

Clarissa Henry and Marc Hillel, "Race and Settlement," Of Pure Blood (New York: McGraw Hill Book Co., 1976):22-32.

Ruth Benedict, "Resolutions and Manifestos of Scientists," Race: Science and Politics (New York: Viking Press, 1943): 259-266.

MEDIA STUDIES OF RACE AND ETHNICITY

Martina Attille and Maureen Blackwood. "Black Women and Representation," Films for Women, ed. Charlotte Brundson (London: BFI, 1986): 202-208.

Jane Gaines, "White Privilege and Looking Relations: Race and Gender in Feminist Film Criticism," Screen 29, no. 4 (Autumn, 1988): 12-27.

Stuart Hall, "The Whites of their Eyes: Racist Ideologies and the Media," in The Media Reader, eds. Manuel Alvarado and John O. Thompson (London: BFI, 1990): 7-23.

Glenn Jordon and Chris Weeden, "From Primitivism to Ethnic Art: Neo-colonialism in the Metropolis?" in Cultural Politics: Class, gender, race and the postmodern world, eds. Glenn Jordon and Chris Weeden (Oxford: Blackwell, 1995): 473-488.

FEMINIST CULTURAL STUDIES OF SCIENCE AND TECHNOLOGY

Sander Gilman, "Black Bodies, White Bodies: Toward and Iconography of female sexuality in Late nineteenth-century art, medicine, and literature," Critical Inquiry 12 (Autumn, 1985): 204-242.

Donna Haraway, "Teddy Bear Patriarchy: Taxidermy in the Garden of Eden, New York City, 1908-1936." Primate Visions.

ORIENTALISM, PRIMITIVISM, AND COLONIALIST DISCOURSES OF DEVELOPMENT

Tariq Banuri, "Modernization and its Discontents: A cultural perspective on theories of development," in Dominating Knowledge: Development, culture and resistance, eds. Frederique Apffel Marglin and Stephen A. Marglin (Oxford: Clarendon Press, 1990): 73-101.

Edward Said, Excerpt from Orientalism (New York: Vintage Books, 1979): 1-49.

Ashley Montagu, "The Fallacy of the Primitive," Race, Science and Humanity (New York: D. Van Nostrand, 1963): 131-135