



The Hebrew University of Jerusalem

Syllabus

GENDER AND SCIENCE - 87843

Last update 12-08-2018

HU Credits: 2

Degree/Cycle: 2nd degree (Master)

Responsible Department: Hist.Phil.socio. of Sciences

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: Mt. Scopus

Course/Module Coordinator: Otniel Dror

Coordinator Email: otniel@ekmd.huji.ac.il

Coordinator Office Hours: 11-12

Teaching Staff:

Dr. Otniel Dror

Course/Module description:

To examine modern science and medicine from the perspective of different gendered approaches

Course/Module aims:

To learn a variety of different approaches, which adopt a variety of stances in respect to gender and science: from constructivism to feminist science to gender based medicine

Learning outcomes - On successful completion of this module, students should be able to:

To argue from the perspective of different gendered approaches to science. To analyze modern Western science from a gendered perspective

Attendance requirements(%):

80%

Teaching arrangement and method of instruction: Seminar

Course/Module Content:

Introduction
Gender, science and society
Difference, gender and science
Sex models
Woman's body
Woman's body in a Male's society
Sex matters
Masculinity and science
Gendered schemes
Feminist science theory
Feminist design
Feminist archeology and primatology
Material Feminism
The science of gender

Required Reading:

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1. Textbook descriptions of Fertilization: Egg and Sperm
 2. Emily Martin, "The Egg and the Sperm: How Science has Constructed a Romance Based on Stereotypical Male-Female Roles," *Signs: Journal of Women in Culture and Society* 16 (1991): 485-501.
 1. Nelly Oudshoorn, "On Measuring Sex Hormones: The Role of Biological Assays in Sexualizing Chemical Substances" *Bulletin of the History of Medicine* 64 (1990): 243-261.
 2. Myra J. Hird, *Sex, Gender, and Science* (Palgrave, 2004), Chapter Two, pp. 17-28.
 1. Cynthia Kraus, "Naked Sex in Exile: On the Paradox of the "Sex Question" in Feminism and in Science," *NWSA Journal*, Vol. 12 (2000), pp. 153-157
 2. Letitia Meynel, "Pictures, Pluralism, and Feminist Epistemology: Lessons from "Coming to Understand", *Hypatia* vol. 23, no. 4 (October-December 2008), pp. 1-10.
 3. Gender Based Medicine: newspaper articles
 4. Ray Moynihan, "The making of a disease: female sexual dysfunction," *British Medical Journal* 326 (2003): 45-47.
 5. Emily Martin, "Premenstrual Syndrome, Work Discipline, and Anger," in Wyer, et al. *Women, Science, and Technology* (Routledge, 2001), pp. 285-298.
 6. Lori D. Hager, "Sex Matters: Letting Skeletons Tell the Story," in Londa Schiebinger (ed.), *Gendered Innovations in Science and Engineering* (Stanford, 2008), pp. 65-78.
 1. Robert A. Nye, "Medicine and Science as Masculine 'Fields of Honor'," *Osiris* 12 (1997): 60-79.
 2. Naomi Oreskes, "Objectivity or Heroism? On the Invisibility of Women in Science," *Osiris* 11 (1996): 87-113. Focus on 102-113
 1. Deboleena Roy, "Asking Different Questions: Feminist Practices for the Natural Sciences," *Hypatia* vol. 23, no. 4 (October-December 2008), pp. 148-153 (presentation)
 2. Intro + Longino, in Wyer, et al. *Women, Science, and Technology* (Routledge, 2001), pp. 210-212; 216-217
 3. Schiebinger, Introduction, in Londa Schiebinger (ed.), *Gendered Innovations in Science and Engineering* (Stanford, 2008), pp. 1-6.
 4. Evelyn Fox Keller, *A Feeling for the Organism: The Life and Work of Barbara McClintock* (San Francisco: W. H. Freeman and Company, 1983), pp. 197-207
 1. Tatiana Butovitsch Temm, "If You Meet...How Volvo Designed a Car for Women..." in Londa Schiebinger (ed.), *Gendered Innovations in Science and Engineering* (Stanford, 2008), pp. 131-149.
 2. Judy Wajcman, "The Built Environment: Women's Place, Gendered Space," in Wyer, et al. *Women, Science, and Technology* (Routledge, 2001), pp. 194-208.
 1. Alison Wylie, "Doing Social Science as a Feminist," in Angela H. Creager, Elizabeth Lunbeck, Londa Schiebinger (ed.), *Feminisms in Twentieth-Century Science, Technology, and Medicine* (Chicago, 2001), pp 28-40.
 - Margaret W. Conkey, "One Thing Leads to Another: Gendering Research in Archaeology," in Londa Schiebinger (ed.), *Gendered Innovations in Science and Engineering* (Stanford, 2008), pp.43-64
 1. Celia Roberts, "Biological Behavior? Hormones, Psychology, and Sex,"

NWSA Journal, Vol. 12 (2000), pp. 11-17.

Anne Fausto-Sterling, "The Bare Bones of Sex: Part 1—Sex and Gender," Signs: Journal of Women in Culture and Society 30 (2005), pp. 1491-1517

Additional Reading Material:

Course/Module evaluation:

End of year written/oral examination 0 %

Presentation 0 %

Participation in Tutorials 5 %

Project work 85 %

Assignments 10 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

Additional information:

5 brief reactions to the reading materials count for 10 percent of the final grade