

SHIVAJI UNIVERSITY, KOLHAPUR



Structure and Syllabus
of
Interdisciplinary Certificate Course
Gender and Science
(Four Credits, 60 Hours)

Course Code WS-CC-SC
To be introduced in 2012-2013
(Subject to the modifications made from time to time)

Centre for Women's Studies
Shivaji University
Kolhapur

Gender and Science

Interdisciplinary Certificate Course
(Four Credits, 60 Hours)
To be introduced 2012-2013 onwards

Course Code WS-CC-SC

Relevance of the course

- This course is designed to develop a gender perspective among students and to enable them to question the assumptions of existing body of scientific knowledge.
- The course would enable the students to integrate gender perspective in their quest for science education, scientific research and its application.
- It would increase their efficacy as researchers and enhance their ability to offer policy inputs in their professional field.

Course Structure:

- Duration of the course is 60 hours.
- It consists of total 100 marks. Theory examination for maximum 80 marks and internal assessment for maximum 20 marks.

Admission:

1. Admission is open to any graduate of any discipline.
2. The course can be simultaneously pursued along with the post-graduate degree courses.
3. At least 75% attendance is required to enable to student to appear for theory examination.
4. Maximum intake for the course is 25.

Fee structure- (As applicable to courses supported by salary grant)

Admission Fee -	10
Registration Fee -	50
Tuition Fee -	100*
Total-	160 (To be paid at the time of admission)

* Tuition fee will be five times high for employed persons.

Examination Fee 100 (To be paid along with the examination form)

Examination and assessment

- The Examination for this course shall be by a theory paper, seminar, project, fieldwork and assignments.
- The student has to submit the assignments/ seminar papers before the date of the theory examination.

Grading

Aggregate of Total Marks	Letter Grade	Class
70-100	O	Distinction
60-69	A	First Class
55-59	B+	Higher Second Class
50-54	B	Second Class
40-49	C	Pass
39 or less	D	Fail

Certificate Course in Gender and Science

To be introduced in 2012-2013

Course Code WS-CC-SC

Contact Hours : 60

Credits : 04

Examination Duration : 3 hrs

Maximum Marks : 100

Internal : 20

External : 80

Course content

- I. Introduction to Basic Concepts in Women's Studies (15 Hours)
 - i. Sex and Gender
 - ii. Male Dominance and Patriarchy
 - iii. Simple Introduction to Feminist Thought
 - iv. Feminist Epistemology
- II. Science, Technology and Women (15 Hours)
 - i. Gender Difference in Access to Science Education and Research
 - ii. Invisible Women in Science
 - iii. Technology's Impact on Women's Lives
 - iv. Reproductive Technologies and Women
- III. Introduction to Feminist Critique of Science (15 Hours)
 - i. Evelyn Fox Keller
 - ii. Sandra Harding
 - iii. Ruth Hubbard
 - iv. Donna Haraway
- IV. Challenge of a Gender-Just Science (15 Hours)
 - i. Integrating Gender Perspective in Science Education and Research
 - ii. Ecofeminist Thought: Carolyn Merchant
 - iii. Ecofeminist Thought: Maria Mies, Vandana Shiva
 - iv. Science, Sustainability and Indian Values,

Readings:

(Additional readings will be recommended by the course teacher.)

1. Keller, Evelyn Fox. 1985. *Reflections on Gender and Science*. New Haven, Yale University Press.
2. Harding, Sandra. 1991. *Whose science? Whose knowledge?: thinking from women's lives*. Cornell University Press.
3. Haraway, Donna. 1988. Situated Knowledges: The Science Question in Feminism and the Privilege of Partial Perspective. *Feminist Studies* Vol. 14, No. 3 (Autumn, 1988), pp. 575-599

4. Jacobus, Mary, Keller, Evelyn Fox and Shuttleworth, Sally Ed. 1990. *Body/ Politics: Women and the discourse of Science*. New York. Routledge.
5. Hubbard, Ruth. 1990. *The Politics of Women's Biology*. Rutgers University Press.
6. Birke, Lynda. 1986 *Women, Feminism and Biology*. New York, Methuen.
7. Wylie, Alison, Potter, Elizabeth and Bauchspies, Wenda K., "Feminist Perspectives on Science", *The Stanford Encyclopedia of Philosophy (Spring 2010 Edition)*, Edward N. Zalta (ed.),
<http://plato.stanford.edu/archives/spr2010/entries/feminist-science/> .
8. Anderson, Elizabeth, "Feminist Epistemology and Philosophy of Science", *The Stanford Encyclopedia of Philosophy (Fall 2010 Edition)*, Edward N. Zalta (ed.),
<http://plato.stanford.edu/archives/fall2010/entries/feminism-epistemology/>
9. Merchant, Carolyn. 1990. *The Death of Nature: Women, Ecology, and the Scientific Revolution*. San Francisco. Harper and Row
10. Merchant, Caroline. 2010. *Ecological Revolutions: Nature, Gender, and Science in New England*. Chapel Hill: University of North Carolina Press
11. Merchant, Carolyn. 1996. *Earthcare: Women and the Environment*. New York: Routledge,
12. Mies, Maria and Shiva, Vandana 1993. *Ecofeminism*. London. Zed Books.
13. Shiva, Vandana. 1991. *Ecology and the politics of survival: conflicts over natural resources in India* Sage Publications.
14. Shiva, Vandana. 2006. *Earth Democracy: Justice, Sustainability and Peace*. London. Zed Books.
15. Shiva, Vandana. 1996. *Biopolitics: a feminist and ecological reader on biotechnology*-Hyderabad. Orient Longman.
16. Gupta, Jyotsna Agnihotri 2000. *New Reproductive Technologies, Women's Health and Autonomy: Freedom or New Dependency*. New Delhi. Sage.