



FIRST SEMESTER 2020-2021
Course Handout Part II

Date: 17-08-2020

In addition to Part-I (General Handout for all courses appended to the time table) this portion gives further specific details regarding the course.

Course No. : HSS F245
Course Title : Gender, Science and Technology
Instructor-in-Charge : Aswathy Raveendran

Scope and Objective of the Course:

This is an introductory course seeks to explore the relationship with gender, science and technology. The course is built around two broad issues: the gender question in science and the science question in feminism. The first issue deals with questions related to access and representation of various genders within science, technology and engineering. The second explores the issue of whether “knowledge” within science and technology is itself gendered through case studies. In the process, students will also explore some ideas and concepts within the history and philosophy of science, technology and engineering.

Textbooks:

Wyer, Mary et al (eds.) (2001) *Women, Science and Technology: A Reader in Feminist Science Studies*, New York: Routledge

Reference material

1. Subramaniam, B. (2000). Snow Brown and the Seven Detergents: a metanarrative on science and the scientific method. *Women's Studies Quarterly*, 28(1/2), 296-304
2. Sismondo, S. (2010). *An introduction to science and technology studies* (Vol. 1). Chichester: Wiley-Blackwell.
3. Faulkner, W. (2000). Dualisms, hierarchies and gender in engineering. *Social studies of science*, 30(5), 759-792.

Course Plan:

Lecture No.	Learning objectives	Topics to be covered	Chapter in the Text Book
1-10	Comprehend the relationship between gender, science and technology	Gender, science and technology: Sex and gender, Representation of genders in science and technology, Access and retention	TB Section 1 (selected chapters), RM1



11-20	Understand the nature of science and technology	Nature of science and technology, Modern Western science, Science studies debates in Indian subcontinent	RM 2
21-30	Appraise the debates on the gendered nature of knowledge in science	Feminism and science: Practice of science and gender, Feminist epistemology	TB Section 2 and 3 (selected chapters)
31-42	Evaluate the debates on the gendered nature of knowledge in technology	Feminism and technology: Gender-technology debates, case studies	TB Section 3 (selected chapters), RM 3

NOTE: In addition to or instead of the textbook and reference material mentioned above, based on perceived need, students may be required to go through reference material made available at various stages of the course.

Evaluation Scheme:

Component	Duration	Weightage (%)	Date & Time	Nature of Component
Test 1	30 min	15	September 10-20 During class hour	Open book
Test 2	30 min	15	October 9-20 During class hour	Open book
Test 3	30 min	15	November 10-20 During class hour	Open book
Other evaluation components	TBA	20	TBA	Open book
Comprehensive exam	120 min	35	TBA	Open book

In-person consultation: A Google Meet link along with consultation hours will be shared on the CMS.

Notices: Will be put up on CMS

Make-up Policy: Make ups will be granted only for exceptionally deserving cases and should be communicated at least 2 hours before the missed component along with sufficient evidence.

Academic Honesty and Integrity Policy: Academic honesty and integrity are to be maintained by all the students throughout the semester and no type of academic dishonesty is acceptable.

Aswathy Raveendran

INSTRUCTOR-IN-CHARGE

