HS 602: Science and Technology in India's Development

Course outline: Spring Semester, 2017-18

For my classes (February 16 to April 6): Before all, so that there is no confusion, I’m taking over all the sessions and segments that Ahonaa and Anush were to do. Excluding my overview class today, I then get 11 classes. Partha will come in for the last four sessions. I stick to the plan that was already worked out (and indicated to you), but then do one more segment.

Before you get to the reading list, remember that we are beginning with discussion of Srirupa Roy’s chapter (details below) in the next class (20.02.2017). And for this session, I want you to have read this chapter beforehand.

* Science and Technology and their linkages to social and economic relations in ancient and medieval India
  + Parry, Jonathan. 1985. ‘The Brahmanical tradition and the technology of the intellect’ in Joanna Overing(ed.) *Reason and Morality* London: Routledge
* Introduction of modern science and technology in the colonial period and their socio-economic implications
  + Roy, Srirupa. 2007. ‘Indian darkness: Science, development and the needs discourse of the nation-state’ in her *Beyond Belief: India and the Politics of the Postcolonial Nationalism*. Ranikhet: Permanent Black.
  + Dharampal. 1971/2000. ‘Introduction’, ‘Bramin’s Observatory at Benares (AD 1777)’ and ‘The Mode of Manufacturing Iron in Central India (cir 1829)’ in his *Indian Science and Technology in the Eighteenth Century (Collected Works, Vol. 1)*. Mapusa: Other India Press.
  + Arnold, David. ????
  + Prakash, Gyan. 1999. ‘Translation and power’ (nation/alism and science) from his *Another Reason: Science and the Imagination of Modern India*. Princeton: Princeton University Press.
  + Gandhi, MK. 1909/1997. Excerpts of his *Hind Swaraj* (pp 42-50, 58-71, 107-111 – chs. 8-9, 11-13, 21). Cambridge: Cambridge University Press.
  + Meera Nanda. 2001. “A 'Broken People' defend science: Reconstructing the Deweyan Buddha of India's dalits”, *Social Epistemology*, 15:4, 335-365 [NOTE: I WILL BE REPLACING THIS WITH A TEXT FROM AMBEDKAR HIMSELF BUT NO HARM IN READING THIS ☺]
* Inequality and S & T: Gender, Caste, Class, and Religion
  + Viswanathan, Shiv. 1990. ‘On the annals of the laboratory state’ in Ashis Nandy (ed.) *Science, Hegemony and Violence: A Requiem for Modernity*, New Delhi: Oxford University Press.
  + Sur, Abha. 2012. Two chapters from *Dispersed radiance: Caste, gender and modern science in India*. New Delhi: Navayana.
  + Esha Shah. 2008. ‘Telling Otherwise: A Historical Anthropology of Tank Irrigation Technology in South India’, Technology and Culture, 49: 3, 652-74.
  + Pluralistic views of S & T; debates on indigenous knowledge, peoples' science movement, alternative models with respect to science, technology and development
* Briggs, J., & Sharp, J. (2004). ‘Indigenous Knowledges and Development: A Postcolonial Caution’. *Third World Quarterly*, 25(4), 661-676.
  + - One more…