

TECHNOLOGY AND SOCIAL CHANGE (T SC)

Courses primarily for undergraduates:

T SC 220: Globalization and Sustainability

(Cross-listed with ANTHR, ENV S, GLOBE, M E, MAT E, SOC). (3-0) Cr. 3. F.S.

An introduction to understanding the key global issues in sustainability. Focuses on interconnected roles of energy, materials, human resources, economics, and technology in building and maintaining sustainable systems. Applications discussed will include challenges in both the developed and developing world and will examine the role of technology in a resource-constrained world. Cannot be used for technical elective credit in any engineering department.

Meets International Perspectives Requirement.

T SC 342: World Food Issues: Past and Present

(Cross-listed with AGRON, ENV S, FS HN). (3-0) Cr. 3. F.S.

Prereq: Junior classification

Issues in the agricultural and food systems of the developed and developing world. Emphasis on economic, social, historical, ethical and environmental contexts. Causes and consequences of overnutrition/undernutrition, poverty, hunger and access/distribution. Explorations of current issues and ideas for the future. Team projects.

Meets International Perspectives Requirement.

T SC 342H: World Food Issues: Past and Present, Honors

(Cross-listed with AGRON, ENV S). (3-0) Cr. 3. F.S.

Prereq: Junior classification

Issues in the agricultural and food systems of the developed and developing world. Emphasis on economic, social, historical, ethical and environmental contexts. Causes and consequences of overnutrition/undernutrition, poverty, hunger and access/distribution. Explorations of current issues and ideas for the future. Team projects.

Meets International Perspectives Requirement.

T SC 343: Philosophy of Technology

(Cross-listed with PHIL). (3-0) Cr. 3. F.S.

Prereq: 6 credits of social science or T SC 341 and 3 credits of social science

Moral and other philosophical problems related to developments in technology. Topics may include conditions under which technological innovations contribute to human emancipation, relationship of technology and democracy, utility and limits of technical rationality, and problems of ensuring that benefits of technological advance are communally shared. Topics discussed with reference to such issues as contemporary developments in microelectronics, technology transfer to the Third World, etc.

Courses primarily for graduate students, open to qualified undergraduates:

T SC 543: Seminar in Social Change and Development

(Cross-listed with SOC). (3-0) Cr. 3. Alt. F., offered even-numbered years.

Prereq: 6 credits in sociology

Seminar in social change and development.

T SC 543B: Seminar in Social Change and Development: Sociology of Adoption and Diffusion

(Cross-listed with SOC). (3-0) Cr. 3. Alt. F., offered even-numbered years.

Prereq: 6 credits in sociology

T SC 543C: Seminar in Social Change and Development: Technological Innovation, Social Change and Development

(Cross-listed with SOC). (3-0) Cr. 3. Alt. F., offered even-numbered years.

Prereq: 6 credits in sociology