

mechanical, thermal, and electrical/electronic aspects. Spacecraft testing: vibrational, acoustic, vacuum, and thermal testing. Component testing. Simulation. Prerequisites: AERO 3002 or MECH 3002. Lectures three hours a week.

AERO 4907 [1.0 credit] (formerly 87.497)

### **Aerospace Engineering Project**

Participation in team projects dealing with design and development of an aerospace vehicle or system. One or more such projects will be undertaken each year. Opportunities to exercise initiative, engineering judgment, self-reliance and creativity, in a team environment similar to industry. Oral presentations and reports.

Prerequisites: Completion of or concurrent registration in AERO 4003; and fourth-year registration in the Aerospace program.

## **Anthropology (ANTH)**

Department of Sociology and Anthropology  
Faculty of Arts and Social Sciences

ANTH 1000 [1.0 credit] (formerly 54.100)

### **Introduction to Anthropology**

Introduction to the nature and evolution of human cultural systems and forms of adaptation from hunting and gathering to farming and stratified state formations. Attention is given to institutions such as the family, economics, politics and religion.

Precludes additional credit for SOAN 1000.

Students in any Sociology and/or Anthropology program should consult that program section of this Calendar.

Lectures three hours a week.

ANTH 2003 [1.0 credit] (formerly 54.203)

### **Introduction to Anthropological Research**

Introduction to general theoretical and methodological issues in anthropological research. Topics include the relation between theory and observation, problems of research design, fundamental techniques of data collection, the actual experience of fieldwork, and problems in the ethics of research.

Precludes additional credit for SOCI 2003.

Prerequisite: one of SOCI 1000, ANTH 1000, SOAN 1000 or equivalent, or permission of the Department.

Lectures and workshop three hours a week.

ANTH 2006 [0.5 credit] (formerly 54.206\*)

### **Ecology and Culture**

Cultural adaptations to the environment are set within globalization processes. New ecologies – symbolic, historical and political – arise out of the hubris of classical models. The advocacy role of applied ecological anthropology and the consequences of Western cultures' adaptive capacities will be examined.

(Also listed as TSES 2006.)

Prerequisite: one of SOCI 1000, ANTH 1000, SOAN 1000 or equivalent, or permission of the Department.

Lectures three hours a week.

ANTH 2007 [0.5 credit] (formerly 54.207\*)

### **The Anthropology of Conquest**

What happens to non-Western societies in contact with colonial or industrial nation-states. Specific topics include forced labour, acculturation and ethnocentrism, wars of extermination, treaty-making and land policies, revitalization movements and other aboriginal responses to conquest.

Prerequisite: one of SOCI 1000, ANTH 1000, SOAN 1000 or equivalent, or permission of the Department.

Lectures three hours a week.

ANTH 2201 [0.5 credit] (formerly 54.221\*)

### **Phonetics**

Recognition, description, transcription and production of speech sounds; systems of transcription; the nature of the speech-producing mechanism; the acoustics of speech sounds. (Also listed as LALS 2001.)

Precludes additional credit for ANTH 3001 and LALS 3001.

Prerequisite: LALS 1000.

Lectures three hours a week.

ANTH 2203 [0.5 credit] (formerly 54.223\*)

### **Language Analysis**

Direction and practice in the analysis of grammatical material, including morphology and syntax. Models for the description of grammatical regularities. Course work consists principally of practical exercises. (Also listed as LALS 2003.)

Precludes additional credit for ANTH 3003 and LALS 3003.

Prerequisite: LALS 1000.

Lectures three hours a week.

ANTH 2205 [1.0 credit] (formerly 54.225)

**Prehistoric Anthropology, Cultural and Biological Evolution of Humans**

An examination, from an evolutionary point of view, of the physical anthropology and archaeology of early humans, their origins, the development of technology and of complex institutions, and the nature of racial differences.

Prerequisite: one of SOCI 1000, ANTH 1000, SOAN 1000 or equivalent, or permission of the Department.

Lectures three hours a week.

ANTH 2301 [0.5 credit] (formerly 54.231\*)

**Writing About Culture**

The development of anthropological theory and methods through the in-depth exploration of ethnographic texts. Explores the development of inter-cultural research through reading works that have shaped the discipline and contemporary issues through the study of recent publications.

Precludes additional credit for 54.230.

Prerequisite: one of SOCI 1000, ANTH 1000 or SOAN 1000 or equivalent or permission of the Department.

Lecture and discussion three hours a week.

ANTH 2408 [0.5 credit] (formerly 54.248\*)

**The Anthropology of Women**

Examination of male and female roles and status in relation to societal factors such as economics, decision-making, and ideology. Emphasis is on the study of women in traditional, and changing, non-Western pre-industrial societies.

Prerequisite: one of SOCI 1000, ANTH 1000, SOAN 1000 or equivalent, or permission of the Department.

Lectures three hours a week.

ANTH 2409 [0.5 credit] (formerly 54.249\*)

**Development, Dependency and Gender**

Examination of anthropological and feminist analyses of the changing gendered division of labour in the Third and Fourth Worlds. Emphasis on case studies that illustrate the impact of "development" or "underdevelopment" on gender roles and gender inequality.

Prerequisite: one of SOCI 1000, ANTH 1000, SOAN 1000 or equivalent, or permission of the Department.

Lectures three hours a week.

ANTH 2705 [0.5 credit] (formerly 54.275\*)

**Technology, Mind and Culture**

Anthropological perspective on technology, how it evolved and how it has influenced the human experience and adaptation. Role of technology in the evolution of consciousness and culture.

Precludes additional credit for 56.285\* (if taken in 1993 - fall term 1994).

Prerequisite: one of SOCI 1000, ANTH 1000, SOAN 1000 or equivalent, or permission of the Department.

Lectures three hours a week.

ANTH 2804 [0.5 credit] (formerly 54.284\*)

**Language and Culture**

Study of language in anthropology. Topics include: evolution of the brain and language, communication among non-human primates, historical linguistics, hermeneutics, non-verbal communication, gender and language, language change and developmental linguistics.

Precludes additional credit for 54.371\* (taken prior to 1983-84) and for 56.285\* and 56.326\* (taken with the same topic.)

Prerequisite: one of SOCI 1000, ANTH 1000, SOAN 1000 or equivalent, or LALS 1000, or permission of the Department.

Lectures and workshop three hours a week.

ANTH 3002 [0.5 credit] (formerly 54.302\*)

**Phonology**

The sound-systems of languages; methods for the analysis and description of phonological structure. The course concentrates on generative theory with comparisons to other theories. (Also listed as LALS 3002.)

Prerequisite: LALS 2001 or ANTH 2201.

ANTH 3004 [0.5 credit] (formerly 54.304\*)

**Grammatical Theory**

Comparison of major current schools of linguistics. Theories of grammatical structure. The testing of grammatical hypotheses, grammatical structure and meaning. Course work consists principally of lectures and readings. (Also listed as LALS 3004.)

Prerequisite: LALS 2003 or ANTH 2203.

ANTH 3100 [1.0 credit] (formerly 54.310)

**Theory and Methodology in Anthropology**

Theory and methods in anthropology. Some attention to early developments in anthropological theory. Emphasis on the contemporary formulations of functionalism, exchange theory, cultural ecology, structuralism, Marxism, feminism, and critical theory.

Prerequisite: eligibility for third-year standing and one of SOCI 1000, ANTH 1000, or SOAN 1000; or permission of the Department.

Lectures three hours a week.

ANTH 3107 [0.5 credit] (formerly 54.317\*)

**Visual Anthropology**

Examination of the anthropological experience as reflected in film. A number of problems are considered, including selectivity, bias, the effect of the observer's presence, and problems in reconstructing past events in film.

Prerequisite: eligibility for third-year standing and one of SOCI 1000, ANTH 1000, or SOAN 1000; or permission of the Department.

Lectures three hours a week.

ANTH 3108 [0.5 credit] (formerly 54.318\*)

**Archaeology in Canada**

Archaeological practice in North America, with particular emphasis on Canada. Topics include: human settlement of the Americas; archaeological perspectives on the cultural histories of Native American peoples; the construction of Native peoples' culture histories and European contact.

Prerequisite: eligibility for third-year standing and one of SOCI 1000, ANTH 1000, or SOAN 1000; or permission of the Department.

Lectures three hours a week.

ANTH 3109 [0.5 credit] (formerly 54.319\*)

**Issues in Canadian Native Studies**

Anthropological examination of issues and policies concerning Canadian Indian, Inuit and Métis peoples. The course explores controversies surrounding social change, native rights, cultural autonomy and women's status.

Precludes additional credit for ANTH 2109.

Prerequisite: eligibility for third-year standing and one of SOCI 1000, ANTH 1000, or SOAN 1000; or permission of the Department.

Lectures three hours a week.

ANTH 3304 [0.5 credit] (formerly 54.334\*)

**Cultures and Symbols**

The representation and construction of culture through symbols. Reviews of models and methodologies with a focus on mythology as the ground for symbolism of different kinds to arise. Topics may include masks, rituals, archetypes, shamanism, sacred dance, and the making of modern myths.

Prerequisite: eligibility for third-year standing and one of SOCI 1000, ANTH 1000, or SOAN 1000; or permission of the Department.

Lectures three hours a week.

ANTH 3305 [0.5 credit] (formerly 54.335\*)

**The Prehistory of Human Settlement**

Examination of how human societies use space. Archaeological data are used to compare the settlement patterns of hunting and gathering peoples with those of more settled village and urban dwellers.

Prerequisite: eligibility for third-year standing and one of SOCI 1000, ANTH 1000, or SOAN 1000; or permission of the Department.

Lectures three hours a week.

ANTH 3306 [0.5 credit] (formerly 54.336\*)

**Medical Anthropology**

Cross-cultural study of approaches, institutions and techniques of healing; cultural and biological factors in the causation, diagnosis, treatment and meaning of disease. Cross-cultural epidemiology, ritual and symbolic healing, transcultural psychiatry, ethno-pharmacology, midwifery.

Precludes additional credit for Sociology-Anthropology 56.325\* (if taken in fall 1987).

Prerequisite: eligibility for third-year standing and one of SOCI 1000, ANTH 1000, or SOAN 1000; or permission of the Department.

Lectures three hours a week.

ANTH 3802 [0.5 credit] (formerly 54.382\*)

**Anthropology and Science Fiction**

Examination of anthropological issues through the medium of science fiction. Topics include: language and culture, gender and identity, the evolution of brain and consciousness, religions and symbolic systems, the exploration of space, the future of human societies.

Precludes additional credit for SOAN 2805 (if taken with the topic Anthropology through Science Fiction).

Prerequisite: eligibility for third-year standing and one of SOCI 1000, ANTH 1000, or SOAN 1000; or permission of the Department.

Lectures three hours a week.

ANTH 4000 [0.5 credit] (formerly 54.400\*)

**Field Placement in Anthropology**

Students spend up to one day a week participating in a research organization, and prepare a report on their placement experience. Consult the Honours Anthropology Co-ordinator.

Prerequisites: fourth-year Honours Anthropology standing and permission of the Department.

ANTH 4009 [0.5 credit] (formerly 54.409\*)

**The Ethnographic Enterprise**

Examination of premises underlying particular cases of empirical work in anthropology. The value of various anthropological paradigms for the solution of standard ethnographic problems.

Precludes additional credit for ANTH 4100.

Prerequisite: fourth-year Honours standing or permission of the Department.

Seminar three hours a week.

**Note:** the following courses, ANTH 4700 - ANTH 4706, are workshops organized either around a specific research topic or around some policy or interventionist issue. The content is expected to vary from year to year reflecting the current research interests of the instructor. When a workshop is offered, a detailed description will be available. In general, specific area workshops are unlikely to be offered more than once in any two-year period.

ANTH 4700 [0.5 credit] (formerly 54.470\*)

**Workshop in North American Aboriginal Studies**

Cultural persistence, cultural or social change, contemporary conditions and struggles, the position of Indians, Inuit and Métis in Canadian society, and conceptions of aboriginality.

Prerequisite: fourth-year Honours standing or permission of the Department.

Seminar three hours a week.

ANTH 4705 [0.5 credit] (formerly 54.475\*)

**Workshop in Signs and Symbols**

Study of one or more of: psychoanalysis, structuralism, post-structuralism, post-modernism, feminism, critical theory, historical anthropology, neuroanthropology, phenomenology.

Prerequisite: fourth-year Honours standing or permission of the Department.

Seminar three hours a week.

ANTH 4706 [0.5 credit] (formerly 54.476\*)

**Workshop in Development and Underdevelopment**

Research-oriented seminar that, depending on the interests of the instructor, may focus on one or more of the following topics: domestic economies, peasant production, forced labour, capital-dominated markets, and theories of underdevelopment and colonialism.

Prerequisite: fourth-year Honours standing or permission of the Department.

Seminar three hours a week.

ANTH 4901 [0.5 credit] (formerly 54.491\*)

**Tutorial in Anthropology**

Consult the Department for information.

ANTH 4902 [0.5 credit] (formerly 54.492\*)

**Tutorial in Anthropology**

Consult the Department for information.

ANTH 4905 [1.0 credit] (formerly 54.495)

**Honours Practicum**

At the end of their final year, Honours candidates are required to present a major research essay. Students present their essay proposals for discussion and criticism to fellow students and faculty, and report periodically upon the paper's progress. Common problems of conceptualization, research design, analysis and interpretation are taken up for consideration.

Prerequisite: fourth-year Honours standing.