

Division of Summer Session, Extramural Courses, and Related Programs

Administration

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Summer Session

The Cornell University Summer Session provides some unique and unusually attractive opportunities for study and recreation for students who range in age from the high school senior to the senior citizen. With Ithaca weather at its best, summer study makes available the extensive academic and recreational facilities of the University and the Finger Lakes region. Students may choose from a wide spectrum of courses, which are scheduled during three-week, six-week, and eight-week sessions, and dozens of special programs of varied lengths. Admission is kept relatively open and simple. Classes meet daily, and because they are usually small, a close association between student and teacher is made possible.

The summer session instructional staff numbers approximately 325, of whom 50 are visiting faculty; 150 teaching assistants participate also.

For more information consult the Division of Summer Session, B12 Ives Hall, or call 256-4987.

Winter Session

During late December and January, the Extramural Division offers students an opportunity to undertake three to five weeks of concentrated study and earn up to six credits. Programs of study are varied and include self-directed independent study as well as traditional, professor-directed group study. Among the special courses offered in recent years have been study tours to England, the Soviet Union, and Costa Rica.

For more information consult the Division of Extramural Courses, B12 Ives Hall, or call 256-4987.

Extramural Courses

The Division of Extramural Courses makes it possible for area residents to take one or two courses a term in areas of their own interest. Persons may register for practically any course in the University for which they have the necessary prerequisites provided space is available after all degree candidates have been registered, and written permission has been obtained from the instructor. Permission must be obtained in advance of registration on a form provided by the extramural division. Registration is normally limited to 8 credit hours. Tuition is at the rate of \$175 a credit for 1981-82, which does not include fees for services available only to full-time Cornell students. Courses taken through the Division of Extramural Courses carry regular Cornell University credit that may be used for certification for employment and in meeting

requirements for academic degrees. The division also offers an Official Visitor's Program that allows persons to attend classes in many divisions of the University on a space available basis at a charge of \$17.50 a credit. Visitors are required to obtain written permission of the instructor and may enroll only on a space-available basis. In this program no credit is given and no record is kept of attendance or performance. For further information about both programs contact the extramural office in B12 Ives Hall or call 256-4987.

Conference Office

Excellent facilities, a beautiful campus, and a conference office concerned with each group's special needs make Cornell an ideal setting for conferences and meetings. Professional groups from all over the country come to Cornell to take advantage of this special learning environment. The conference coordinator is available to answer questions, advise on creative program ideas, assist in planning, make special arrangements, secure accommodations, and handle other administrative details. Every effort is made to ensure the success of each conference. For more information about conferences at Cornell consult the Conference Office, 221E North Campus Union, or call 256-6290.

Continuing Education Center

The Continuing Education Center (CEC) at Cornell University provides information, counseling, and special programs for men and women who have been out of school for several years and want to resume their education. Anyone wanting to take courses, pursue a degree, or participate in other continuing education activities is welcome to use the services of the center. Students currently registered at Cornell whose education has been interrupted are also encouraged to use the center's resources.

The CEC is strongly committed to educating people in all walks of life. Central to this commitment is the belief that learning does not end at one's high school or college graduation, or with a successful career. Every effort must be made to pursue both intellectual and personal growth within the context of one's individual situation. The center's aim is to foster this development.

The center sponsors and conducts programs throughout the year on professional development, personal growth, adjusting to the university environment, rekindling academic skills and study habits, and subjects of special interest. CEC also provides information on all schools and colleges of the University, opportunities for part-time and full-time study, special workshops and seminars, and community resources available to continuing education students. A small library includes information on continuing education research, adult learning and development, educational opportunities at local institutions of higher learning, and financial aid and admissions procedures. In addition, the center provides individual and group counseling to mature students. For further information contact the Continuing Education Center, B12 Ives Hall or call 256-4989.

Cornell's Adult University

Cornell's Adult University (CAU) administers one week non-credit academic courses on campus during the summer and off-campus weekend seminars during the fall and spring. While it was originally conceived as a program for alumni, this concept has long since been abandoned in favor of a concept of "adult" education, thus extending course offerings to all interested persons within the intent of

the Morrill Land Grant Act. CAU is committed to the concept that learning never ends and that one of the roles of a great university is to provide a bridge between the traditional, formal education and more informal, noncredit instruction.

Faculty preparation and teaching of CAU courses is of the high quality associated with Cornell. Although CAU does not offer course credit, many secondary school teachers have received in-service credit from their local school boards for participation in CAU programs. Other participants have returned to college to complete their formal educations or attend graduate school. For more information consult Cornell's Adult University, 626B Thurston Avenue, or call 256-6260.

Summer Courses

The Cornell University Summer Session offers a wide variety of courses each year. Among these are a number of courses that are typically offered each summer. Based on past experience, the list that follows includes those courses that are likely to be offered during the summer of 1982. The list is not exhaustive; many additional courses that are offered only occasionally or for the first time are not listed. For further information contact the Summer Session office, B12 Ives Hall. The 1982 *Announcement of Summer Session* will be published in March.

Anthropology

- 111 Nature and Culture
- 113 The Comparison of Cultures
- 114 Human Origins

Archaeology

- 358 Archaeological Research Methods

Architecture

- 125 Introduction to Architecture
- 251 Beginning Photography
- 353 Large-Format Architectural Photography
- 545 Design and Conservation

Art

- 110 Color, Form, and Space
- 121 Painting
- 123 Landscape Drawing and Painting
- 132 Introductory Silk-Screen Printing
- 141 Sculpture
- 151 Introductory Drawing
- 154 Life and Still-Life Drawing
- 155 Conceptual Drawing
- 161 Beginning Photography
- 163 Advanced Photography Workshop
- 270 Special Studios

Astronomy

- 105 An Introduction to the Universe
- 106 Essential Ideas in Relativity and Cosmology

Atmospheric Sciences

- 101 Basic Principles of Meteorology

Biological Sciences

- 100 General Biology
- 205 Biomedical Ethics
- 240 Plant Physiology
- 278 Comparative Anatomy
- 331 Principles of Biochemistry, Lectures
- 360 General Ecology
- 389 Embryology
- 421 Comparative Vertebrate Ethology
- 432 Survey of Cell Biology
- 471 Mammalogy
- 475 Ornithology

Business and Public Administration

- 590 Communication for Administrators

Celtic Studies

- 400 Introduction to Celtic Culture and Civilization

Chemical Engineering

- 110 Mass and Energy Balances

Chemistry

- 103-104 Introduction to Chemistry
- 207-208 General Chemistry
- 251-252 Introduction to Experimental Organic Chemistry
- 253 Elementary Organic Chemistry

Computer Science

- 100 Introduction to Computer Programming
- 101 The Computer Age
- 211 Computers and Programming
- 314 Introduction to Computer Systems and Organization
- 410 Data Structures

Classics**Greek**

- 101 Greek for Beginners
- 103 Attic Greek

Latin

- 105 Latin for Beginners
- 106 Elementary Latin

Classical Civilization

- 100 Word Power
- 109 Introduction to Rhetoric

Communication Arts

- 301 Oral Communication
- 460 Video Communication
- 461 Advanced Video Communication

Economics

- 101 Introductory Economics: Macroeconomics
- 102 Introductory Economics: Microeconomics
- 105 Principles of Accounting
- 308 Public Policy and Microeconomic Analysis
- 311 Intermediate Microeconomic Theory
- 312 Intermediate Macroeconomic Theory
- 320 Quantitative Methods
- 331 Money and Credit
- 333 Theory and Practice of Financial Asset Markets
- 361 International Trade: Theory and Policy
- 368 Comparative Economics: United States, Europe, and the Soviet Union
- 371 Public Policy and Economic Development

Electrical Engineering

- 210 Introduction to Electrical Systems
- 676 Microprocessor Systems

Education

- 400 Field Experience
- 497 Informal Study
- 600 Internship in Education
- 744 Faculty Development: Improvement of College Teaching
- 800 Master's-Level Thesis
- 900 Doctoral-Level Thesis

English

- 135 Writing from Experience
- 136 Practical Prose Composition
- 137 Writing Workshop
- 150 Introduction to Literature
- 151 Reading Modern Literature
- 157 Classic American Authors
- 158 Modern American Authors
- 227 Shakespeare
- 270 The Reading of Fiction
- 275 The American Literary Tradition

289 The Art of the Essay

- 319 Chaucer
- 327 Shakespeare
- 477 Children's Literature

Entomology

- 210 Field Entomology

Floriculture

- Drawing 210 Architectural Sketching and Rendering

Geological Sciences

- 101 Introductory Geological Science
- 102 Introduction to Historical Geology

Government

- 111 The Government of the United States
- 131 Introduction to Comparative Government and Politics
- 161 Freedom and Justice in the Western Tradition: An Introduction to Political Theory
- 181 Introduction to International Relations
- 316 The American Presidency
- 389 International Law

History

- 141 Man and His Values in the Western Tradition
- 201 Introduction to American History: From the Beginning to 1865
- 202 Introduction to American History: From the Civil War to Recent Times

History of Art

- 102 Writing about Art
- 202 Survey of European Art
- 261 Introduction to Art History: Modern Art
- 115 Human Development: Infancy and Childhood
- 116 Human Development: Adolescence and Youth
- 117 Human Development: Adult Development and Aging
- 150 The Family in Modern Society
- 315 Human Sexuality: A Psychosocial Perspective

Industrial and Labor Relations

- Collective Bargaining
- 150 Labor Problems in American Society

Economic and Social Statistics

- 510 Introductory Statistics for the Social Sciences

Organizational Behavior

405 Dramatic Events in Labor History as Told by Those Who Made It

Law

495 The Adversarial Process

497 Family Law

499 Criminal Law

Mathematics

107 Finite Mathematics with Applications

109 Precalculus

111-112 Analytic Geometry and Calculus

121-122 Calculus

123 Analytic Geometry and Calculus

192 Calculus

213 Calculus

294 Engineering Mathematics

311 Elementary Analysis

331 Linear Algebra

370 Elementary Statistics

421-422 Applicable Mathematics

Mechanical and Aerospace Engineering

302 Technology, Society, and the Human Condition

Microbiology

290 General Microbiology, Lectures

291 General Microbiology, Laboratory

Modern Languages and Linguistics

Chinese

180 Introductory Intensive Chinese (Mandarin)

201-202 Intermediate Chinese

English

101 English as a Second Language

102 English as a Second Language

French

101 French Basic Course I

102 French Basic Course II

131 French Elementary Reading Course I

132 French Elementary Reading Course I

203 Intermediate Conversation and Composition

Gaelic

131 Introduction to Modern Gaelic (Irish) I

132 Introduction to Modern Gaelic (Irish) II

German

101 German Basic Course I

131 German Elementary Reading Course I

132 German Elementary Reading Course I

Japanese

160 Introductory Intensive Japanese

403 Teaching of Japanese as a Foreign Language

Linguistics

101 Introduction to the Scientific Study of Language

Spanish

101 Spanish Basic Course I

102 Spanish Basic Course II

203 Intermediate Conversation and Composition

Welsh

131 Introduction to Modern Welsh I

132 Introduction to Modern Welsh II

Music

103 Mainstreams of Popular Music

141 Rudiments of Music

331 Summer Session Choir

Natural Resources

230 Diet for a Small Planet

Near Eastern Studies

101 Elementary Hebrew

113 Colloquial Arabic

142 The World of the Ancient Near East

346 Introduction to Field Archaeology in Israel

Operations Research and Industrial Engineering

260 Introductory Engineering Probability

270 Basic Engineering Statistics

Philosophy

100 Introduction to Philosophy

101 Introduction to Philosophy

131 Logic: Evidence and Argument

145 Contemporary Moral Issues

245 Biomedical Ethics

Physics

101 General Physics

102 General Physics

112 Physics I: Mechanics and Heat

213 Physics II: Electricity and Magnetism

214 Physics III: Optics, Waves, and Particles

400 Independent Study in Physics: Advanced Experimental Physics

500 Informal Graduate Laboratory

510 Advanced Experimental Physics

Psychology

101 Introduction to Psychology: The Frontiers of Psychological Inquiry

107 Emotion and Personal Growth

214 Introduction to Psychology: The Cognitive Approach

325 Introductory Psychopathology

350 Statistics and Research Design

469 Psychotherapy: Its Nature and Influence

543 Psychological Testing

Romance Studies

French 222 French Civilization

Sociology

101 Introduction to Sociology

243 Family

252 Public Opinion and Society: Information and Personal Knowledge

286 Nonverbal Behavior and Communication

Theatre Arts

200 Introduction to Dance

240 Introduction to the Theatre

287 Summer Acting Workshop

Theoretical and Applied Mechanics

202 Mechanics of Solids

Veterinary Medicine

638 The Microscope and Its Use