

## SCHOOL OF CONTINUING EDUCATION AND SUMMER SESSIONS

Summer Sessions provides a wide variety of educational opportunities beyond the degree-granting programs of the university. These programs serve virtually all age groups in a great variety of formats and time frames. For information about the following programs write B20 Day Hall, Ithaca, New York 14853-2801; call 255-4987; e-mail [cusce@cornell.edu](mailto:cusce@cornell.edu); or fax 255-9697; unless indicated otherwise below. You may also visit us on the web at [www.continuingeducation.cornell.edu](http://www.continuingeducation.cornell.edu).

### SCHOOL ADMINISTRATION

Glenn C. Altschuler, dean

Stuart M. Blumin, director, Cornell-in-Washington Program

Dane Cruz, interim director, Cornell Interactive Theatre Ensemble

Abby H. Eller, director, Cornell University Summer College

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Ralph Janis, director, Cornell's Adult University

Charles W. Jermy, Jr., associate dean, and director, Cornell University Summer Session

Ann L. Morse, media manager

Cathy M. Pace, registrar

Diane E. Sheridan, director, finance and administration

### SPECIAL AND PROFESSIONAL PROGRAMS

Intensive learning experiences are presented year-round both for students and for professionals in many fields. Formats include for-credit courses of one to eight weeks and noncredit weekend and weeklong short courses. Programs can also be designed to respond to the needs and interests of corporations, professional societies, and other groups. These programs take place on the Cornell campus, on site, at other locations worldwide, and via distance learning. For information call 255-7259; e-mail [culp@cornell.edu](mailto:culp@cornell.edu); fax 255-9697; or visit [www.continuingeducation.cornell.edu/SP/](http://www.continuingeducation.cornell.edu/SP/).

### SUMMER COLLEGE PROGRAMS FOR HIGH SCHOOL STUDENTS

Talented high school sophomores, juniors, and seniors attend regular university courses through Cornell University Summer College and may earn college credit. They also explore academic and career options in noncredit seminars. Students live in residence halls, become familiar with campus life, and attend seminars describing the college

admissions process. The program is designed to help ease the transition from high school to college. For information call 255-6203; e-mail [summer\\_college@cornell.edu](mailto:summer_college@cornell.edu); fax 255-6665; or visit [www.summercollege.cornell.edu](http://www.summercollege.cornell.edu).

### CORNELL'S ADULT UNIVERSITY

Cornell's Adult University (CAU) offers week-long noncredit courses on campus for adults and families during the summer. During the fall, winter, and spring, there are weekend seminars, week-long domestic programs, and international study tours. Developed and led by distinguished members of the Cornell faculty, all programs are inspired by the belief that learning never ends and that one of the roles of a great university is to provide a bridge between traditional formal education and informal, noncredit study. For information, write Cornell's Adult University, 626B Thurston Avenue, Ithaca, New York 14850-2490; call 255-6260; e-mail [cauinfo@cornell.edu](mailto:cauinfo@cornell.edu); fax 254-4482; or visit [www.cau.cornell.edu](http://www.cau.cornell.edu).

### DISTANCE LEARNING

The School of Continuing Education and Summer Sessions offers a range of courses through distance learning. Instructional materials for these courses may be presented on the web, and/or through video tapes, assigned readings, e-mail sessions with course instructors, and CD-ROMs. Students interact with the instructor and other students by phone or e-mail. Courses may be taken from home or elsewhere. Assignments and examinations are completed within a scheduled session, just as in on-campus courses, but students have the option of beginning study prior to the start of the session. For information, visit [www.continuingeducation.cornell.edu/DL/](http://www.continuingeducation.cornell.edu/DL/).

#### Distance Learning Course Roster

- ABEN 299 Sustainable Development
- AM ST 202 Popular Culture in the United States, 1945 to the Present
- AN SC 222 Canine Genetics
- AN SC 497 Seminars on Inherited Diseases of Companion Animals
- COMM 120 Contemporary Mass Communication
- COMM 272 Principles of Public Relations and Advertising
- COMM 376 Planning Communication Campaigns
- COMM 494.3 Professional Internship in Communication
- COM S 100 Introduction to Computer Programming
- ECON 101 Introductory Microeconomics
- EDUC 494 Introduction to Agriculture Education

EDUC 632 Teaching Agriculture, Extension, and Adult Education

GOVT 161 Introduction to Political Philosophy

ILRST 210 Statistical Reasoning I

ILRST 510 Statistical Methods for the Social Sciences I

### EXTRAMURAL STUDY

Cornell undergraduate or graduate students whose studies have been interrupted may find it appropriate to resume their studies by taking classes on a part-time basis. Area residents may take courses on a part-time basis by registering as extramural students. Those interested may enroll in almost any course offered in the fall and spring terms if they receive the instructor's written approval. Another offering, the **Visitor's Program**, allows adults to attend classes in many divisions of the university on a space-available basis at a reduced charge. In this program, no credit is given, and no record is kept of attendance or performance. Visitors are required to obtain written permission from the instructor. For information, write to Extramural Study, B20 Day Hall, Ithaca, NY 14853-2801; call 255-4987; e-mail [cusce@cornell.edu](mailto:cusce@cornell.edu); fax 255-9697; or visit [www.continuingeducation.edu/EXMU/](http://www.continuingeducation.edu/EXMU/).

### WINTER SESSION

Cornell undergraduate and graduate students, as well as employees and area residents, can earn up to four credits between the fall and spring semesters by enrolling in the winter session. This quiet time on campus allows students to enjoy generally smaller classes and to concentrate on intensive study. Winter-session students may enroll in scheduled courses or design individualized study with a faculty member. For information, write to Winter Session, B20 Day Hall, Ithaca, NY 14853-2801; call 255-4987; e-mail [cusce@cornell.edu](mailto:cusce@cornell.edu); fax 255-9697; or visit [www.wintersession.cornell.edu](http://www.wintersession.cornell.edu).

#### Winter Session Course Roster

- AMST 202 Popular Culture in the U.S. from 1945 to the Present **DL**
- AN SC 497 Seminars on Inherited Diseases of Companion Animals **DL**
- ASIAN 299 Buddhism
- AS&RC 131 Swahili
- C&RP 495.18 Introduction to Peace Science
- COMM 272 Principles of Public Relations and Advertising **DL**
- EAS 106 Vertebrate Fossil Collection and Preparation Techniques
- ECON 101 Introductory Microeconomics **DL**

- ECON 102 Introductory Macroeconomics  
 ECON 307 Introduction to Peace Science  
 ENGL 257/MUSIC 257/THEATR 257 American Musical Theatre in New York  
 ENGL 280 Creative Writing  
 GOVT 161 Introduction to Political Philosophy  
 HE 402 Supervised Fieldwork in Urban Affairs  
 RELST 290 Buddhism  
 Practicing Medicine/Providing Health Care

## CONTINUING EDUCATION INFORMATION SERVICE

This service provides free information, counseling, and referral to adults who have been out of school for several years and want to resume their education. It also provides information about short courses, workshops, professional updates, and executive programs offered by the university to people inside and outside Cornell. For information, write to Continuing Education, B20 Day Hall, Ithaca, NY 14853-2801; call 255-4987; e-mail [cusce@cornell.edu](mailto:cusce@cornell.edu); or fax 255-9697.

## CORNELL-IN-WASHINGTON PROGRAM

Cornell-in-Washington offers undergraduates the opportunity to combine the strengths of Cornell with all of the best parts of living and learning in Washington, D.C. Students take courses for credit, work as externs, and complete substantial research projects, all the while enjoying the rich opportunities available in the nation's capital.

## CORNELL INTERACTIVE THEATRE ENSEMBLE (CITE)

The Cornell Interactive Theatre Ensemble (CITE) is a unique resource for human relations training both on and off campus, serving a wide variety of client groups including university staff, faculty, administrators and students, professional conferences, corporations, and other organizations. Using the medium of interactive theatre, CITE training workshops explore how people can work together effectively and appropriately in a workplace characterized by differences.

## CORNELL UNIVERSITY SUMMER SESSION

The Cornell University Summer Session provides unique and unusually attractive opportunities for study and recreation at a time when the Cornell campus and the Finger Lakes region of central New York are at their loveliest and the Ithaca weather is at its best. Participants may choose from a wide spectrum of courses scheduled during three-, six-, and eight-week sessions. Although admission is open to persons of all ages, the majority of summer session participants are matriculated Cornell students. Classes meet daily, are

generally small, and feature personalized interaction with Cornell faculty members. These courses also provide students with the opportunity to accelerate their degree program, take courses not available during the fall and spring semesters, and delve into areas of special interest. For information call 255-4987; e-mail [cusce@cornell.edu](mailto:cusce@cornell.edu); or visit our web site at [www.summer.cornell.edu](http://www.summer.cornell.edu).

## Summer Session Course Roster

The Cornell University Summer Session offers a wide variety of courses. The list that follows includes those courses that are usually offered every summer. The list is not exhaustive; many new courses or courses offered only occasionally are not listed. For complete information, contact the Summer Session Office. Courses are posted to the web ([www.summer.cornell.edu](http://www.summer.cornell.edu)) in the fall as the roster is developed. A preliminary course roster is available beginning in late November. If a course is also offered through distance learning, the course title will be followed by **DL**.

## Africana Studies

- AS&RC 205 African Cultures and Civilizations  
 SWAHL 131-132 Swahili

## Agricultural and Biological Engineering

- ABEN 299 Sustainable Development

## American Studies

- AM ST 101-102 Introduction to American Studies **DL**  
 AM ST 104 Introduction to American History  
 AM ST 124 Democracy and Its Discontents: Political Traditions in the United States  
 AM ST 202 Popular Culture in the United States, 1945 to the Present **DL**  
 AM ST 301 America's Changing Faces: A New Generation of Political, Economic, and Cultural Leadership  
 AM ST 341 Recent American History, 1960 to the Present

## Animal Science

- AN SC 222 Canine Genetics **DL**  
 AN SC 497 Seminars on Inherited Diseases of Companion Animals **DL**

## Anthropology

- ANTHR 100 Introduction to Archaeology  
 ANTHR 101-102 Introduction to Anthropology

## Applied Economics and Management

- AEM 210 Introductory Statistics  
 AEM 220 Introduction to Business Management  
 AEM 221 Financial Accounting  
 AEM 320 Business Law I  
 AEM 324 Financial Management

## Archaeology

- ARKEO 100 Introduction to Archaeology  
 Other field study opportunities are usually available through this department.

## Architecture

- ARCH 110 Introduction to Architecture: Design Studio  
 ARCH 130 Introduction to Architecture: Lecture Series  
 ARCH 251 Photography I  
 ARCH 351 Photography II

Consult the Department of Architecture office for a complete list of summer design offerings including foreign study opportunities.

## Art

- ART 121 Introductory Painting  
 ART 141 Introductory Sculpture  
 ART 159 Life and Still-Life Drawing  
 ART 161 Photography I  
 ART 168 Black-and-White Photography  
 ART 169 Color Photography  
 ART 171-172 Electronic Imaging in Art  
 ART 221 Painting II  
 ART 241 Sculpture II  
 ART 261 Photography II  
 ART 263 Color Photography  
 ART 361 Photography III  
 ART 372 Special Topics in Studio Art

## Asian Studies

### Chinese

- CHIN 160 Introductory Intensive Chinese (Mandarin) [FALCON]  
 CHIN 201-202 Intermediate Chinese [FALCON]

### Japanese

- JAPAN 160 Introductory Intensive Japanese  
 JAPAN 201-202 Intermediate Japanese Conversation

### Nepali

- NEPAL 101, 201, 203, 301 Intensive Nepali  
**Sinhala (Sinhalese)**  
 SINHA 160 Intensive Sinhala

## Astronomy

- ASTRO 105 An Introduction to the Universe  
 ASTRO 106 Essential Ideas in Relativity and Cosmology  
 ASTRO 107 An Introduction to the Universe

## Biological Sciences

### Ecology and Evolutionary Biology

- BIOEE 207 Evolution  
 BIOEE 261 Ecology and the Environment  
 BIOEE 467 Seminar in the History of Biology: Evolution, Ethics, and Meaning in Life

### Microbiology

- BIOMI 192 Microorganisms on the Planet Earth  
 BIOMI 290-291 General Microbiology

**Molecular Biology and Genetics**

BIO G 200 Special Studies in Biology

BIOGD 281 Genetics

BIOBM 333 Principles of Biochemistry: Proteins, Metabolism, and Molecular Biology

BIOBM 430 Laboratories in Experimental Molecular Biology and Experimental Proteins and Enzymology

BIOBM 602 Molecular Biology for Teachers

**Neurobiology and Behavior**

BIO G 107-108 General Biology

BIONB 221 Neurobiology and Behavior I: Introduction to Behavior

BIO G 499 Undergraduate Research in Biology

**Plant Biology**

BIO G 209 Introduction to Natural-Science Illustration

BIOPL 245 Plant Biology

**Shoals Marine Laboratory**

BIOEE 373 Biology of Marine Invertebrates

BIOSM 160 Oceanography of the Gulf of Maine

BIOSM 204 Biological Illustration

BIOSM 303 Ecology of Marine Fishes

BIOSM 309 Climates and Ecosystems

BIOSM 329 Ecology of Animal Behavior

BIOSM 364 Field Marine Science

BIOSM 365 Underwater Research

BIOSM 366 SEA Introduction to Oceanography

BIOSM 367 SEA Introduction to Maritime Studies

BIOSM 368 SEA Introduction to Nautical Science

BIOSM 372 SEA Practical Oceanography

BIOSM 374 Field Ornithology

BIOSM 375 Field Marine Biology and Ecology

BIOSM 413 Experimental Marine Ecology

BIOSM 418 Tropical Marine Science

BIOSM 449 Seaweeds, Plankton, and Sea Grass: The Ecology and Systematics of Marine Plants

BIOSM 477 Marine Vertebrates

BIOSM 499 Undergraduate Research in Biology

**Biology and Society**

B&amp;SOC 205 Ethical Issues in Health and Medicine

B&amp;SOC 447 Seminar in the History of Biology: Evolution, Ethics, and Meaning in Life

**Biometry and Statistics**

BTRY 261/601 Statistical Methods I

**Chemistry and Chemical Biology**

CHEM 206 Introduction to General Chemistry

CHEM 207-208 General Chemistry

CHEM 251 Introduction to Experimental Organic Chemistry

CHEM 257 Introduction to Organic and Biological Chemistry

CHEM 300 Quantitative Chemistry

CHEM 357-358 Organic Chemistry for the Life Sciences

**Classics****Classical Civilization**

CLASS 223 The Comic Theater

CLASS 236 Greek Mythology

CLASS 268 A History of Rome from Republic to Principate

**Greek**

CLASS 104 Intensive Greek

**Latin**

CLASS 107 Intensive Latin

CLASS 369 Intensive Medieval Latin Reading

**Cognitive Studies**

COGST 101 Introduction to Cognitive Science

**Communication**

COMM 116 Communication in Social Relationships

COMM 120 Contemporary Mass Communication DL

COMM 201 Oral Communication

COMM 203 Argumentation and Debate

COMM 263 Organizational Writing

COMM 272 Principles of Public Relations and Advertising DL

COMM 350 Writing for Magazines

COMM 376 Planning Communication Campaigns

COMM 420 Public Opinion and Social Processes

COMM 494.1 Issues in On-Line Advertising and Marketing

COMM 494.2 Leadership and Communication for Supervisors and Managers

COMM 494.3 Professional Internship in Communication DL

COMM 497 Individual Study in Communication

**Comparative Literature**

COM L 105 The Hero in Literature

COM L 204 Global Fictions

COM L 223 The Comic Theater

COM L 236 Greek Mythology

**Computer Science**

COM S 099 Fundamental Programming Concepts

COM S 100 Introduction to Computer Programming DL

COM S 101 Introduction to Cognitive Science

COM S 130 Creating Web Documents

COM S 211 Computers and Programming

**Earth and Atmospheric Sciences**

EAS 101 Introductory Geological Science

EAS 104 The Sea: An Introduction to Oceanography

EAS 213 Marine and Coastal Geology

EAS 417 Geologic Field Mapping in Argentina

EAS 491 Undergraduate Research

**Economics**

ECON 101 Introductory Microeconomics DL

ECON 102 Introductory Macroeconomics

ECON 313 Intermediate Microeconomic Theory

ECON 314 Intermediate Macroeconomic Theory

ECON 362 International Monetary Theory and Policy

**Education**

EDUC 420 Field Experience

EDUC 494 Introduction to Agriculture Education

EDUC 497 Independent Study

EDUC 507 Science and the Environment for Teachers

EDUC 523 Food and Fiber across the Curriculum

EDUC 548 Effective College Teaching

EDUC 620 Internship in Education

EDUC 632 Teaching Agriculture, Extension, and Adult Education

EDUC 694 Special Topics in Education

EDUC 711 Contemporary Issues in Educational Psychology: Creativity and Problem Solving

EDUC 800 Master's-Level Thesis Research

EDUC 900 Doctoral-Level Thesis Research

**Engineering****Distribution Courses**

ENGRD 211 Computers and Programming

ENGRD 221 Thermodynamics

ENGRD 270 Basic Engineering Probability and Statistics

The Engineering Cooperative Education Program offers a number of other engineering courses. Contact that office for more information.

**English**

ENGL 131 Critical Reading and Writing

ENGL 132 The Personal Essay

ENGL 227 Shakespeare

ENGL 288-289 Expository Writing

ENGL 328 The Bible

**English as a Second Language**

ENGLF 101-102 English as a Second Language

**English for Academic Purposes**

ENGLF 211 English as a Second Language

ENGLB 215 English for Later Bilinguals

**Government**

GOVT 111 Introduction to American Government and Politics

GOVT 131 Introduction to Comparative Government and Politics

GOVT 161 Introduction to Political  
Philosophy **DL**

GOVT 181 Introduction to International Relations

GOVT 307 An Introduction to Public Policy

GOVT 312 America's Changing Faces: A New  
Generation of Political, Economic, and Cultural  
Leadership

GOVT 315 Introduction to the American Legal  
System: Its Nature, Its Sources, and Its  
Operations

## History

HIST 102 Introduction to American History

HIST 124 Democracy and Its Discontents: Political  
Traditions in the United States

HIST 268 A History of Rome from Republic to  
Principate

HIST 287 Evolution

HIST 314 History of American Foreign Policy,  
1912 to the Present

HIST 340-341 Recent American History

HIST 371 World War II in Europe

HIST 415 Seminar in the History of Biology:  
Evolution, Ethics, and Meaning in Life

## History of Art

ART H 202 Survey of European Art: Renaissance  
to Modern

## Hotel Administration

H ADM 165 Managerial Communication I

H ADM 365 Managerial Communication II

H ADM 450/651 Principles of Real Estate

## Human Development

HD 115 Human Development

## Human Ecology

HE 406 Fieldwork in Professional Practice:  
Summer in the City

## Industrial and Labor Relations

### Collective Bargaining, Labor Law, and Labor History

ILRCB 100 Introduction to U.S. Labor History:  
Nineteenth Century

ILRCB 201/501 Labor and Employment Law

ILRCB 499 Summer Employment Research

### Human Resource Studies

ILRHR 266 Personal Computer Basics

### International and Comparative Labor

ILRIC 333/533 Europe, the United State, and  
Japan in a Changing World Economy

### Social Statistics

ILRST 210-211 Statistical Reasoning **DL**

ILRST 510-511 Statistical Methods for the Social  
Sciences **DL**

## Linguistics

LING 170 Introduction to Cognitive Science

## Marine Science

Consult related department listings for summer  
offerings in marine science.

## Mathematics

MATH 103 Mathematical Explorations

MATH 105 Finite Mathematics for the Life and  
Social Sciences

MATH 109 Precalculus Mathematics

MATH 111-112 Calculus

MATH 171 Statistical Theory and Application in  
the Real World

MATH 191-192 Calculus for Engineers

MATH 221 Linear Algebra and Calculus

MATH 293-294 Engineering Mathematics

MATH 336 Applicable Algebra

## Mechanical and Aerospace Engineering

M&AE 221 Thermodynamics

## Music

MUSIC 105 Introduction to Music Theory

MUSIC 331 Sage Chapel Choir

## Natural Resources

NTRES 306 Coastal and Oceanic Law and Policy

NTRES 309 Sovereign Tribal Environments

NTRES 417 Wetlands Resources

## Nutritional Sciences

NS 341 Human Anatomy and Physiology, Lecture  
and Laboratory

## Philosophy

PHIL 101 Introduction to Philosophy

PHIL 145 Contemporary Moral Issues

PHIL 191 Introduction to Cognitive Science

PHIL 231 Introduction to Deductive Logic

## Physical Education

Consult the Physical Education Office for a  
complete list of summer offerings for credit  
and recreation.

## Physics

PHYS 101-102-103 General Physics

PHYS 112 Physics I: Mechanics

PHYS 213 Physics II: Heat/Electromagnetism

PHYS 214 Physics III: Optics, Waves, and  
Particles

## Policy Analysis and Management

PAM 320 Managing the Nonprofit Organization

PAM 380 Human Sexuality

## Psychology

PSYCH 101 Introduction to Psychology: The  
Frontiers of Psychological Inquiry

PSYCH 102 Introduction to Cognitive Science

PSYCH 128 Introduction to Psychology:  
Personality and Social Behavior

PSYCH 199 Sports Psychology

PSYCH 280 Introduction to Social Psychology

PSYCH 350 Statistics and Research Design

## Romance Studies

### French Language

FRROM 121 Elementary French

FRROM 203 Intermediate Composition and  
Conversation

### Quechua

QUECH 131-132 Elementary Quechua

QUECH 133-134 Continuing Quechua

### Spanish Language

SPANR 121 Elementary Spanish

SPANR 123 Continuing Spanish

### Spanish Literature

SPANL 364/664 Culture and Civilization of the  
Andean World

SPANL 365/665 Contemporary Sociopolitical  
Issues in the Andes

## Russian

RUSSA 121-122 Russian Elementary Course

## Science and Technology Studies

S&TS 205 Ethical Issues in Health and Medicine

S&TS 287 Evolution

S&TS 447 Seminar in the History of Biology:  
Evolution, Ethics, and Meaning in Life

## Sociology

SOC 101 Introduction to Sociology

## Textiles and Apparel

TXA 114 Introduction to Computer-Aided Design

## Theatre, Film and Dance

THETR 223 The Comic Theater

THETR 280 Introduction to Acting

THETR 383 Fundamentals of Screenwriting

## Theoretical and Applied Mechanics

T&AM 293-294 Engineering Mathematics

## Writing

WRIT 134 An Introduction to Writing in the  
University