

## 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).

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### 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 and are usually kept small to foster a close association between students and teachers. 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).

### 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

High school sophomores, juniors, and seniors attend regular university courses through Cornell University Summer College and may earn college credit. They also explore career options through specially designed workshops. 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 courses through distance learning. Instructional materials for these courses may be presented on the web, video tapes, and/or CD-ROMs. Students interact with the instructor and other students by phone or e-mail. 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/).

### 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 three 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).

### Continuing Education Information Service

This service provides free information, counseling, and referral to people 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.

### SUMMER 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 131-132 Swahili

AS&RC 205 African Cultures and Civilizations

#### Agricultural, Resource, and Managerial Economics

ARME 210 Introductory Statistics

ARME 220 Introduction to Business Management

ARME 221 Financial Accounting

ARME 320 Business Law I

ARME 324 Financial Management

**American Studies**

AM ST 101-102 Introduction to American Studies **DL**

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

**Animal Science**

AN SC 222 Canine Genetics **DL**

**Anthropology**

ANTHR 101 Introduction to Anthropology

ANTHR 201 Lost Tribes and Sunken Continents

**Archaeology**

ARKEO 201 Lost Tribes and Sunken Continents

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

ARCH 388 Modernism

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)

CHIN 201-202 Intermediate Chinese

**Japanese**

JAPAN 160 Introductory Intensive Japanese

JAPAN 201-202 Intermediate Japanese Conversation

JAPAN 403 Teaching of Japanese as a Foreign Language

**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**

BIO G 207 Evolution

BIOES 261 Ecology and the Environment

BIO G 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

BIO G 499 Undergraduate Research in Biology

**Plant Biology**

BIO G 209 Introduction to Natural-Science Illustration

BIOPL 245 Plant Biology

**Shoals Marine Laboratory**

BIOSM 160 Oceanography of the Gulf of Maine

BIOSM 204 Biological Illustration

BIOSM 303 Ecology of Marine Fishes

BIOSM 308 Marine Microbial Ecology

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 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&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

CHEM 421 Introduction to Inorganic Research

CHEM 433 Introduction to Analytical Research

CHEM 461 Introduction to Organic Research

CHEM 477 Introduction to Research in Physical Chemistry

**Classics****Classical Civilization**

CLASS 236 Greek Mythology

**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 204 Effective Listening

COMM 240 Communication Systems and Technologies

COMM 260 Science Writing for Public Information

COMM 263 Organizational Writing

COMM 272 Principles of Public Relations and Advertising **DL**

COMM 282 Communication Industry Research

COMM 350 Writing for Magazines

COMM 494 Issues in On-Line Advertising and Marketing

COMM 497 Individual Study in Communication

## Comparative Literature

- COM L 105 The Hero in Literature
- COM L 202 Great Books
- COM L 204 Global Fictions
- COM L 236 Greek Mythology

## Computer Science

- COM S 099 Fundamental Programming Concepts
- COM S 100 Introduction to Computer Programming
- COM S 101 Introduction to Cognitive Science
- COM S 211 Computers and Programming
- COM S 222 Introduction to Scientific Computation
- COM S 410 Data Structures

## Economics

- ECON 101 Introductory Microeconomics **DL**
- ECON 102 Introductory Macroeconomics
- ECON 106 Introduction to Financial Statement Analysis
- ECON 205 Managerial Accounting for Planning and Control
- ECON 313 Intermediate Microeconomic Theory
- ECON 314 Intermediate Macroeconomic Theory
- ECON 362 International Monetary Theory and Policy

## Education

- EDUC 420 Field Experience
- EDUC 497 Independent Study
- EDUC 501 Communication Workshop
- EDUC 523 Food and Fiber across the Curriculum
- EDUC 548 Effective College Teaching
- EDUC 620 Internship in Education
- EDUC 621-622 Work-Experience Coordinator Certification Course
- EDUC 694 Special Topics in Education
- EDUC 760 Practicum Seminar in Educational Administration
- 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 222 Introduction to Scientific Computation
- ENGRD 270 Basic Engineering Probability and Statistics

The Engineering Cooperative 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 273 Children's Literature

ENGL 288-289 Expository Writing

ENGL 328 The Bible

ENGL 448 The American Short Story

## 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

## Geological Sciences

- GEOL 101 Introductory Geological Science
- GEOL 104 The Sea: An Introduction to Oceanography
- GEOL 213 Marine and Coastal Geology
- GEOL 417 Geologic Field Mapping in Argentina
- GEOL 475 Advanced Topics in Oceanography: Satellite Remote Sensing in Biological Oceanography
- GEOL 491 Undergraduate Research

## 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 260 Social and Political Philosophy
- 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
- GOVT 427 The Politics of Environmental Protection

## History

- HIST 124 Democracy and Its Discontents: Political Traditions in the United States
- HIST 268 A History of Rome from Republic to Holy City
- 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 210 The Management of Human Resources

H ADM 274 Microcomputing

H ADM 365 Managerial Communication II

H ADM 450/651 Principles of Real Estate

H ADM 463 Persuasive Communication in Organizations

## 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
- ILRCB 608 Special Topics in Collective Bargaining, Labor Law, and Legislation

### Human Resource Studies

ILRHR 266 Personal Computer Basics

### Social Statistics

- ILRST 210-211 Statistical Reasoning **DL**
- ILRST 510-511 Statistical Methods for the Social Sciences **DL**

## Landscape Architecture

LA 500 The Art of Place

## Linguistics

LING 170 Introduction to Cognitive Science

## Management

- NBA 560 Business Law I
- NBA 584 Management of the Multinational Corporation

## Marine Science

Consult related department listings for summer offerings in marine science.

## Mathematics

- MATH 103 Mathematical Explorations
- MATH 105 Finite Mathematics for Biologists
- MATH 109 Precalculus Mathematics
- MATH 111-112 Calculus
- MATH 171 Statistical Theory and Application in the Real World
- MATH 192-193 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 105-106 Introduction to Music Theory

MUSIC 331 Sage Chapel Choir

**Natural Resources**

NTRES 306 Coastal and Oceanic Law and Policy

NTRES 309 Tribal Environments

NTRES 417 Wetlands Resources

**Operations Research and Industrial Engineering**

OR&amp;IE 270 Basic Engineering Probability and Statistics

**Philosophy**

PHIL 101 Introduction to Philosophy

PHIL 145 Contemporary Moral Issues

PHIL 191 Introduction to Cognitive Science

PHIL 242 Social and Political Philosophy

**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

PHYS 400 Informal Advanced Laboratory

PHYS 500 Informal Graduate Laboratory

PHYS 510 Advanced Experimental Physics

**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 DL

PSYCH 199 Sports Psychology

PSYCH 223 Introduction to Biopsychology

PSYCH 298 Meritocracy from Plato to the Bell Curve

PSYCH 350 Statistics and Research Design

**Romance Studies****French Language**

FRROM 121 Elementary French

FRROM 203 Intermediate Composition and Conversation

**French Literature**

FRLIT 220 French and Francophone Culture

**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

**Rural Sociology**

R SOC 101 Introductory Sociology

R SOC 205 International Development

R SOC 324 Environment and Society

**Russian**

RUSSA 121-122 Russian Elementary Course

**Science and Technology Studies**

S&amp;TS 287 Evolution

S&amp;TS 324 Environment and Society

S&amp;TS 427 The Politics of Environmental Protection

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

**Sociology**

SOC 101 Introduction to Sociology

SOC 206 International Development

SOC 324 Environment and Society

**Textiles and Apparel**

TXA 114 Introduction to Computer-Aided Design

**Theatre, Film and Dance**

THETR 280 Introduction to Acting

THETR 383 Fundamentals of Screenwriting

**Theoretical and Applied Mechanics**

T&amp;AM 293-294 Engineering Mathematics

**Writing**

WRIT 134 An Introduction to Writing in the University