

SCHOOL OF CONTINUING EDUCATION AND SUMMER SESSIONS

The School of Continuing Education and 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; fax 607/255-9697; or call 607/255-4987, unless indicated otherwise below.

ADMINISTRATION

Glenn C. Altschuler, dean

Alicia C. Dowd, media manager

Judith K. Eger, director, program development and marketing

Abby H. Eller, director, Cornell University Summer College

Terry L. Hart, computing director

Ralph Janis, director, Cornell's Adult University

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

Cathy M. Pace, registrar

Diane E. Sheridan, director, finance and administration

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-, eight-, and six-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.

SPECIAL PROGRAMS

Special programs are intensive learning experiences presented year round for professionals in many fields and for undergraduate and graduate students. The varying formats include credit-bearing courses of one to nine weeks, noncredit weekend and week-long short courses, on-site fieldwork, and overseas study, among others. Programs can also be designed in response to the needs and interests of corporations, professional societies, and other groups. For information call 607/255-7259; fax 607/255-8942.

CORNELL UNIVERSITY SUMMER COLLEGE

High school 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 607/255-6203, or fax 607/255-8942.

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, or call 607/255-6260.

EXTRAMURAL STUDY

Area residents may take courses at the university on a part-time basis through the Extramural Study office. Those interested may enroll in practically any course offered in the fall and spring terms if they receive the instructor's written approval. A **Visitor's Program** is also offered. It 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 of the instructor.

WINTER SESSION

Winter Session provides an opportunity to earn three to four credits between the fall and spring semesters. This quiet time on campus allows students to enjoy classes that are generally smaller and to concentrate on intensive study. Students may enroll in scheduled courses or design an independent study with a faculty member.

CONTINUING EDUCATION ADVISORY SERVICE

This service provides free information, counseling, and referral to women and men who have been out of school for several years and want to resume their education.

EXTENDED EDUCATION INFORMATION SERVICE

This service provides information to people inside and outside Cornell about extended education opportunities offered by the university. These include short courses of all types, workshops, professional updates, and executive programs. To tell us about your offerings or to learn whether Cornell offers a course in a certain area, call 607/255-7259, or fax 607/255-8942.

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. The summer session catalog is published in February. A preliminary course roster is available beginning in late November.

Africana Studies

A program in African languages is offered. Consult the department for a complete listing.

Agricultural Economics

- AG EC 220 Introduction to Business Management
- AG EC 221 Financial Accounting
- AG EC 310 Introductory Statistics
- AG EC 320 Business Law
- AG EC 454 Whaling in North America

Anthropology

- ANTHR 101-102 Introduction to Anthropology
- ANTHR 201 Lost Tribes and Sunken Continents
- ANTHR 333 Exploring the Andean World: The Inkas of Bolivia
- ANTHR 334 Contemporary Issues in Latin America

Archaeology

- ARKEO 100 Introduction to Archaeology
 - ARKEO 201 Lost Tribes and Sunken Continents
 - ARKEO 300 Archaeology of Maritime Communities
 - ARKEO 319 Underwater Archaeology
 - ARKEO 358 Field Archaeology in Honduras
 - ARKEO 360 Field Archaeology in Greece
- Other field study opportunities are usually available through this department.

Architecture

- ARCH 110 Introduction to Architectural Design
- ARCH 130 Introduction to Architecture
- ARCH 251 Introductory Photography I
- ARCH 351 Photography II

Consult the Department of Architecture office for a complete list of summer design offerings.

Art

- ART 121 Introductory Painting
- ART 123 Landscape Painting
- ART 133 Introductory Lithography
- ART 141 Introductory Sculpture

- ART 151 Introductory Drawing
 ART 158 Conceptual Drawing
 ART 159 Life and Still-Life Drawing
 ART 161 Introductory Photography I
 ART 168 Black-and-White Photography
 ART 169 Color Photography
 ART 171 Computer Art
 ART 221 Painting II
 ART 241 Sculpture II
 ART 261 Photography II
 ART 264 Photo Processes
 ART 321 Painting III
 ART 341 Sculpture III
 ART 361 Photography III: Color
 ART 362 Photography IV
 ART 379 Independent Studio

Astronomy

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

Biological Sciences

- BIO S 107-108 General Biology
 BIO S 160 Oceanography of the Gulf of Maine
 BIO S 161 Introduction to Field Marine Science
 BIO S 200 Special Studies in Biology
 BIO S 204 Biological Illustration
 BIO S 205 Ethics and Health Care
 BIO S 208 Drawing the Human Figure
 BIO S 209 Introduction to Natural-Science Illustration
 BIO S 245 Plant Biology
 BIO S 281 Genetics
 BIO S 282 Human Genetics
 BIO S 290-291 General Microbiology
 BIO S 309 Coastal Ecology and Bioclimates
 BIO S 327 Neurobiology of Animal Behavior
 BIO S 329 Ecology of Animal Behavior
 BIO S 331 Principles of Biochemistry, Lectures
 BIO S 363 Marine Biology for Teachers
 BIO S 364 Field Marine Science
 BIO S 365 Underwater Research
 BIO S 366 SEA Introduction to Oceanography
 BIO S 367 SEA Introduction to Maritime Studies
 BIO S 368 SEA Introduction to Nautical Science
 BIO S 369-370 SEA Practical Oceanography Laboratory
 BIO S 389 Embryology
 BIO S 402 Marine Pollution
 BIO S 407 Advanced Laboratory Techniques
 BIO S 409 Ciliophorology

- BIO S 413 Adaptations of Marine Organisms
 BIO S 449 Marine Botany: Ecology of Marine Plants
 BIO S 477 Marine Vertebrates
 BIO S 499 Undergraduate Research in Biology
 BIO S 601 Evolution, Ecology, and Behavior
 BIO S 602 Molecular Biology for Teachers

Chemistry

- CHEM 103-104 Introduction to Chemistry
 CHEM 207-208 General Chemistry
 CHEM 251-252 Introduction to Experimental Organic Chemistry
 CHEM 253-255 Elementary Organic Chemistry
 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

City and Regional Planning

- CRP 495.18 Introduction to Peace Science
 CRP 495.21 Computer Productivity Tools for Non-Scientists
 CRP 541 The Politics of Technical Decisions

Classics

Greek

- CLASS 104 Intensive Greek

Latin

- CLASS 107 Intensive Latin
 CLASS 205 Intermediate Latin
 CLASS 207 Catullus
 CLASS 369 Intensive Medieval Latin Reading

Classical Civilization

- CLASS 102 Bioscientific Terminology
 CLASS 123 Comedy
 CLASS 236 Greek Mythology
 CLASS 360 Field Archaeology in Greece

Communication

- COMM 116 Theories of Human Communication
 COMM 120 Introduction to Mass Media
 COMM 150 Writing for Media
 COMM 191 History of Television
 COMM 201 Oral Communication
 COMM 203 Argumentation and Debate
 COMM 204 Effective Listening
 COMM 216 Communicating Interpersonally
 COMM 250 Newswriting for Newspapers
 COMM 272 Principles of Public Relations and Advertising
 COMM 301 Business and Professional Speaking
 COMM 342 Electronic Media
 COMM 363 Organizational Writing

- COMM 365/665 Scientific Writing
 COMM 410 Organizational Behavior and Communication
 COMM 460-461 Video Communication
 COMM 490 Special Topics in Communication
 COMM 625 Communication for Social Change
 COMM 688 Participatory Communication and Research for Development

Comparative Literature

- COM L 105 The Hero in Literature
 COM L 202 Great Books of the Western Tradition: The Eighteenth to the Twentieth Century
 COM L 236 Greek Mythology

Computer Science

- COM S 099 Fundamental Programming Concepts
 COM S 100 Introduction to Computer Programming
 COM S 101 The Computer Age
 COM S 211 Computers and Programming
 COM S 222 Introduction to Scientific Computation
 COM S 314 Introduction to Digital Systems and Computer Organization
 COM S 410 Data Structures

Economics

- ECON 101 Introductory Microeconomics
 ECON 102 Introductory Macroeconomics
 ECON 105 Principles of Accounting
 ECON 205 Managerial Accounting for Planning and Control
 ECON 208 An Introduction to Environmental Policy
 ECON 307 Introduction to Peace Science
 ECON 309 Environmental Economics
 ECON 313 Intermediate Microeconomic Theory
 ECON 314 Intermediate Macroeconomic Theory
 ECON 321 Applied Econometrics
 ECON 331 Money and Credit
 ECON 361 International Trade Theory and Policy
 ECON 362 International Monetary Theory and Policy

Education

- EDUC 311 Educational Psychology
 EDUC 420 Field Experience
 EDUC 497 Independent Study
 EDUC 501 Communication Workshop
 EDUC 513 Psychology of Human Interaction
 EDUC 590 Special Topics in Education
 EDUC 620/621/622 Internship in Education
 EDUC 630 Special Problems in Agricultural and Occupational Education
 EDUC 730 Seminar in Agricultural, Extension, and Adult Education

- EDUC 744 Seminar in College Teaching
 EDUC 783 Comparative Extension Education Systems
 EDUC 800 Master's-Level Thesis Research
 EDUC 900 Doctoral-Level Thesis Research

Engineering

- ENGR 100 Introduction to Computer Programming
 ENGR 101 The Computer Age
 ENGR 202 Mechanics of Solids
 ENGR 203 Dynamics
 ENGR 211 Computers and Programming
 ENGR 221 Thermodynamics
 ENGR 222 Introduction to Scientific Computation
 ENGR 260 Introductory Engineering Probability
 ENGR 270 Basic Engineering Probability and Statistics
 ENGR 293-294 Engineering Mathematics

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 133 Literature and Writing
 ENGL 137 Writing Workshop
 ENGL 227 Shakespeare
 ENGL 270 The Reading of Fiction
 ENGL 275 The American Literary Tradition
 ENGL 280 Creative Writing
 ENGL 288-289 Expository Writing
 ENGL 319 Chaucer
 ENGL 327 Shakespeare
 ENGL 340 The English Romantics
 ENGL 477 Children's Literature

English as a Second Language

- ENGLF 101-102 English as a Second Language
 ENGLF 211 English as a Second Language
 ENGLB 215 English for Later Bilinguals
 LING 407 Introduction to Teaching English Abroad

Center for the Environment

- NTRES 201 Environmental Conservation

Floriculture and Ornamental Horticulture

- FRDR 210 Sketching in Watercolor

French Literature

- FRLIT 221 Introduction to French Literature

Geological Sciences

- GEOL 101 Introductory Geological Science
 GEOL 102 Evolution of the Earth and Life

- GEOL 213 Marine and Coastal Geology

- GEOL 410 Summer Field Geology in Central Colorado

Government

- GOVT 111 The Government of the United States
 GOVT 131 Introduction to Comparative Government and Politics
 GOVT 161 Introduction to Political Theory
 GOVT 181 Introduction to International Relations
 GOVT 316 The American Presidency
 GOVT 342 The New Europe
 GOVT 628 The Politics of Technical Decisions

History

- HIST 101-102 Introduction to American History
 HIST 151-152 Introduction to Western Civilization
 HIST 268 A History of Rome from Republic to Holy City
 HIST 314 History of American Foreign Policy, 1912 to the Present
 HIST 340-341 Recent American History

History of Art

- ART H 202 Survey of European Art: Renaissance to Modern
 ART H 261 Introduction to Art History: Modern Art

Hotel Administration

- H ADM 123 Financial Accounting Principles
 H ADM 174 Microcomputing
 H ADM 242 Marketing Principles

Human Development and Family Studies

- HDFS 115 Human Development
 HDFS 150 Families and the Life Course
 HDFS 216 Human Development: Adolescence and Youth

Human Service Studies

- HSS 380 Community Mental Health

Industrial and Labor Relations

Collective Bargaining, Labor Law, and Labor History

- ILRCB 200/500 Collective Bargaining
 ILRCB 201/501 Labor and Employment Law
 ILRCB 608 Special Topics: Sports Arbitration

Economic and Social Statistics

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

Organizational Behavior

- ILROB 121/520 Introduction to Microorganizational Behavior and Analysis
 ILROB 627 Leadership in Organizations

Jewish Studies

- JWST 109 Elementary Modern Hebrew
 JWST 309 Advanced Modern Hebrew

Landscape Architecture

- LARCH 400 AutoCAD/LANDCAD
 LARCH 440 Landscape Plants and the Art of Successful Design
 LARCH 500 The Art of Designing Memorable Places
 LARCH 600 Site Grading Workshop

Marine Science

Consult related department listings for summer offerings in marine science.

Mathematics

- MATH 101 History of Mathematics
 MATH 105 Finite Mathematics
 MATH 109 Precalculus Mathematics
 MATH 111-112 Calculus
 MATH 123 Analytic Geometry and Calculus
 MATH 221 Linear Algebra and Calculus
 MATH 293/294 Engineering Mathematics
 MATH 421-422 Applicable Mathematics
 MATH 431 Introduction to Algebra

Mechanical and Aerospace Engineering

- M&AE 221 Thermodynamics

Modern Languages and Linguistics Chinese

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

Dutch

- DUTCH 121-122 Elementary Dutch

French

- FRDML 101 Elementary French
 FRDML 123 Continuing French
 FRDML 203-213 Intermediate Composition and Conversation
 FRDML 630 French for Reading—Graduate Students

German

- GERLA 121-122 Elementary German
 GERLA 631-632 Elementary Reading

Italian

- ITALA 101 Italian Basic Course I

Japanese

- JAPAN 160 Introductory Intensive Japanese
 JAPAN 203-204 Intermediate Japanese Conversation
 JAPAN 403 Teaching of Japanese as a Foreign Language

Linguistics

LING 101 Theory and Practice of Linguistics

Nepali

NEPAL 160 Intensive Nepali

Quechua

QUECH 131-132 Elementary Quechua

QUECH 133-134 Continuing Quechua

Russian

RUSSA 121-122 Elementary Russian

Sinhala (Sinhalese)

SINHA 160 Intensive Sinhala

Spanish

SPAND 101 Spanish Basic Course I

SPAND 123 Continuing Spanish

SPAND 203 Intermediate Composition and Conversation

Music

MUSIC 101 The Art of Music

MUSIC 105 Introduction to Music Theory

MUSIC 120 Learning Music through Digital Technology

MUSIC 239 Introduction to Improvisational Theory

MUSIC 301 Independent Study in Music

Natural Resources

NTRES 201 Environmental Conservation

NTRES 215 Environmental Disruption and Regulation

NTRES 218 Science and Politics at Toxic-Waste Sites

NTRES 230 Food, Population, and the Environment

NTRES 306 Coastal and Oceanic Law and Policy

NTRES 417 Wetlands Resources

Near Eastern Studies

NES 109 Elementary Modern Hebrew

NES 309 Advanced Modern Hebrew

Nutritional Sciences

NS 660 Special Topics in Nutrition

Operations Research and Industrial Engineering

OR&IE 260 Introductory Engineering Probability

OR&IE 270 Basic Engineering Probability and Statistics

OR&IE 622 Operations Research I

Philosophy

PHIL 101 Introduction to Philosophy

PHIL 145 Contemporary Moral Issues

PHIL 212 Modern Philosophy

PHIL 231 Introduction to Formal Logic

PHIL 245 Ethics and Health Care

Physical Education

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

Physics

PHYS 101-102 General Physics

PHYS 112 Physics I: Mechanics and Heat

PHYS 202 The World According to Physics—the Way Things Work

PHYS 213 Physics II: Electricity and Magnetism

PHYS 214 Physics III: Optics, Waves, and Particles

PHYS 400 Informal Advanced Laboratory

PHYS 500 Informal Graduate Laboratory

PHYS 510 Advanced Experimental Physics

PHYS 520 Projects in Experimental Physics

Psychology

PSYCH 101 Introduction to Psychology: The Frontiers of Psychological Inquiry

PSYCH 123 Introduction to Biopsychology

PSYCH 128 Introduction to Psychology: Personality and Social Behavior

PSYCH 199 Sports Psychology

PSYCH 205 Perception

PSYCH 209 Developmental Psychology

PSYCH 214 Introduction to Cognitive Psychology

PSYCH 255 Psychology and Medicine

PSYCH 275 Introduction to Personality Psychology

PSYCH 280 Introduction to Social Psychology

PSYCH 283 Groups and Relationships

PSYCH 350 Statistics and Research Design

PSYCH 380 Community Mental Health

Rural Sociology

R SOC 101 Introductory Sociology

R SOC 324 Environment and Society

R SOC 437 Aging: Issues and Social Policy in the 1990s

Science and Technology Studies

S&TS 415 The Politics of Technical Decisions

Sociology

SOC 101 Introduction to Sociology

SOC 104 Race and Ethnicity

SOC 283 Groups and Relationships

SOC 299 Media, Literature, and Society

Spanish Literature

SPANL 299 Media, Literature, and Society

Statistics and Biometry

STATS 601 Statistical Methods I

Theatre Arts

THETR 211 Dance Movement Workshop

THETR 254 Theatrical Makeup Studio

THETR 274 Introduction to Film Analysis: Meaning and Value

THETR 282 Introduction to Voice and Speech for Performance

THETR 285 Creativity and the Actor

THETR 287 Summer Acting Workshop

THETR 362 Lighting Design Studio I

THETR 475-476 Seminar in the Cinema

Theoretical and Applied Mechanics

T&AM 202 Mechanics of Solids

T&AM 203 Dynamics

T&AM 310 Advanced Engineering Analysis I

Writing

WRIT 137 Writing Workshop