

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 14853-801; call 607/255-4987; e-mail info@sce.cornell.edu; or fax 607/255-9697; unless indicated otherwise below.

ADMINISTRATION

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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-, 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 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 six weeks and noncredit weekend and weeklong short courses. Programs are also custom-designed for corporations, government agencies, professional societies, and other groups. These programs take place on the Cornell campus, on site, and at other locations worldwide. For information call 607/255-7259; e-mail sp@sce.cornell.edu; or fax 607/255-8942.

SUMMER COLLEGE PROGRAM FOR HIGH SCHOOL STUDENTS

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; e-mail sc@sce.cornell.edu; 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; e-mail cau@sce.cornell.edu; or call 607/255-6260.

EXTRAMURAL STUDY

Area residents may take courses at the university on a part-time basis by registering through extramural study. Those interested may enroll in almost any course offered in the fall and spring terms if they receive the instructor's written approval. The **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

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.

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.

EXTENDED EDUCATION INFORMATION SERVICE

This service provides information about extended education opportunities offered by the university to people inside and outside Cornell. These opportunities 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, fax 607/255-8942, or e-mail sp@sce.cornell.edu.

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 and current course offerings are listed and updated on CUINFO from November through June.

Africana Studies

AS&RC 205 African Civilizations and Culture

AS&RC 483 Themes in African History: Resistance Movements

A program in African languages is also 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 I

Anthropology

ANTHR 101-102 Introduction to Anthropology

ANTHR 201 Lost Tribes and Sunken Continents

ANTHR 209 Biology, Culture, and Human Sexuality

Archaeology

ARKEO 100 Introduction to Archaeology

ARKEO 201 Lost Tribes and Sunken Continents

ARKEO 319 Underwater Archaeology

ARKEO 358 Field Archaeology in Honduras

ARKEO 361 Summer Program in Etruscan Archaeology at La Piana

Other field study opportunities are usually available through this department.

Architecture

ARCH 110 Introduction to Architecture: Design Studio

ARCH 130 An Introduction to Architecture: Lecture Series

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 132 Introductory Graphics
 ART 133 Introductory Lithography
 ART 141 Introductory Sculpture
 ART 151 Drawing I
 ART 158 Conceptual Drawing
 ART 159 Life and Still-Life Drawing
 ART 161 Photography I
 ART 168 Black-and-White Photography
 ART 169 Color Photography
 ART 171-172 Computer Art
 ART 221 Painting II
 ART 241 Sculpture II
 ART 261 Photography II
 ART 263 Color Photography
 ART 264 Photo Processes
 ART 321 Painting III
 ART 341 Sculpture III
 ART 361 Photography III
 ART 372 Special Topics in Studio Art
 ART 379 Independent Studio

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**General Courses**

- BIO G 107-108 General Biology
 BIO G 200 Special Studies in Biology
 BIO G 205 Ethics and Health Care
 BIO G 207 Evolution
 BIO G 208 Drawing the Human Figure
 BIO G 209 Introduction to Natural-Science Illustration

Biochemistry, Molecular and Cell Biology

- BIOBM 333 Principles of Biochemistry, Lectures
 BIOBM 602 Molecular Biology for Teachers

Ecology and Evolutionary Biology

- BIOES 261 Ecology and the Environment

Genetics and Development

- BIOGD 281 Genetics
 BIOGD 282 Human Genetics
 BIOGD 389 Embryology
 BIOGD 481 Population Genetics

Microbiology

- BIOMI 290-291 General Microbiology

Plant Biology

- BIOPL 245 Plant Biology

Shoals Marine Laboratory

- BIOSM 160 Oceanography of the Gulf of Maine
 BIOSM 161 Introduction to Field Marine Science
 BIOSM 204 Biological Illustration
 BIOSM 309 Coastal Ecology and Bioclimates
 BIOSM 327 Neurobiology of Animal Behavior
 BIOSM 329 Ecology of Animal Behavior
 BIOSM 363 Marine Biology for Teachers
 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 402 Marine Pollution
 BIOSM 409 Ciliophorology
 BIOSM 413 Adaptations of Marine Organisms
 BIOSM 477 Marine Vertebrates
 BBIOSM 499 Undergraduate Research in Biology

Statistics and Biometry

- STATS 601 Statistical Methods I

Chemistry

- CHEM 103-104 Introduction to Chemistry
 CHEM 207-208 General Chemistry
 CHEM 251 Introduction to Experimental Organic Chemistry
 CHEM 252 Elementary 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 Special Topics

Classics**Greek**

- CLASS 104 Intensive Greek

Latin

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

Classical Civilization

- CLASS 102 Bioscientific Terminology
 CLASS 223 The Comic Theater
 CLASS 236 Greek Mythology

- CLASS 361 Summer Program in Etruscan Archaeology at La Piana

Communication

- COMM 116 Theories of Human Communication
 COMM 120 Understanding Mass Communication
 COMM 191 History of Television
 COMM 201 Oral Communication
 COMM 203 Argumentation and Debate
 COMM 204 Effective Listening
 COMM 272 Principles of Public Relations and Advertising
 COMM 301 Business and Professional Speaking
 COMM 363 Organizational Writing
 COMM 410 Organizational Behavior and Communication
 COMM 460-461 Video Communication
 COMM 624 Communication in the Developing Nations
 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 223 The Comic Theatre
 COM L 236 Greek Mythology
 COM L 372 Selections from Contemporary World Literature

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 410 Data Structures

Economics

- ECON 101 Introductory Microeconomics
 ECON 102 Introductory Macroeconomics
 ECON 309 Environmental Economics
 ECON 313 Intermediate Microeconomic Theory
 ECON 314 Intermediate Macroeconomic Theory
 ECON 331 Money and Credit
 ECON 362 International Monetary Theory and Policy
 ECON 363 International Economics

Education

- EDUC 420 Field Experience
 EDUC 494 Special Topics in Education
 EDUC 497 Individual Study in Education
 EDUC 501 Communication Workshop

- EDUC 513 Psychology of Human Interaction
 EDUC 620 Internship in Education
 EDUC 621-622 Work-Experience Coordinator Certification Course
 EDUC 630 Special Problems in Agricultural and Occupational Education
 EDUC 694 Special Topics in Education
 EDUC 783 Comparative Extension Education Systems
 EDUC 800 Master's-Level Thesis Research
 EDUC 900 Doctoral-Level Thesis Research

Engineering

General Interest Courses

- ENGRG 101 The Computer Age
 ENGRG 202 Mechanics of Solids

Distribution Courses

- ENGRD 203 Dynamics
 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 270 The Reading of Fiction
 ENGL 280 Creative Writing
 ENGL 288-289 Expository Writing
 ENGL 327 Shakespeare
 ENGL 333 The British Novel: Origins and Development
 ENGL 350 The Early Twentieth Century: 1890-1918
 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

Floriculture and Ornamental Horticulture

- FRDR 210 Sketching in Watercolor
 HORT 436 Tree Climbing and Arboricultural Skills

French Literature

- FRLIT 221 Introduction to French Literature

Fruit and Vegetable Science

- HORT 250 Fruit and Vegetable Gardening
 HORT 497 Independent Study

Geological Sciences

- GEOL 101 Introductory Geological Science
 GEOL 102 Evolution of the Earth and Life
 GEOL 104 The Sea: An Introduction to Oceanography
 GEOL 213 Marine and Coastal Geology
 GEOL 410 Summer Field Geology in Central Colorado

Government

- GOVT 111 The Government of the United States
 GOVT 161 Introduction to Political Theory
 GOVT 231 Introduction to Comparative Government and Politics
 GOVT 281 Introduction to International Relations
 GOVT 316 The American Presidency
 GOVT 441 Russian Society and Culture Today

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
 HIST 371 World War II in Europe

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 174 Microcomputing
 H ADM 210 The Management of Human Resources
 H ADM 450 Principles of Real Estate
 H ADM 487 Real Estate Law—A Case Approach

Human Development and Family Studies

- HDFS 115 Human Development
 HDFS 150 Families and the Life Course
 HDFS 216 Human Development: Adolescence and Youth
 HDFS 359 American Families in Historical Perspective
 HDFS 461 The Psychology of Television

Human Ecology

- HE 406 Fieldwork in Professional Practice: Summer in the City

Human Service Studies

- HSS 210 The Elements of Helping
 HSS 315 Human Sexuality
 HSS 380 Community Mental Health
 HSS 492 Human Service Processes: Leadership and Community Services

Industrial and Labor Relations

Collective Bargaining, Labor Law, and Labor History

- ILRCB 200/500 Collective Bargaining
 ILRCB 201/501 Labor and Employment Law
 ILRCB 484 Employment Discrimination and the Law
 ILRCB 608 Special Topics: Sports Arbitration
 ILRCB 655 Employment Law

Economic and Social Statistics

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

Human Resource Studies

- ILRHR 266 Personal Computer Basics
 ILRHR 362 Career Development: Theory and Practice
 ILRHR 468 Organization and Human Resources Management Simulation

Labor Economics

- ILRLE 240/540 Economics of Wages and Employment

Organizational Behavior

- ILROB 170/520 Introduction to Microorganizational Behavior and Analysis: The Social Psychology of the Workplace

Jewish Studies

- JWST 103 Elementary Modern Hebrew
 JWST 104 Continuing Modern Hebrew
 JWST 149 Introduction to Jewish Studies

Landscape Architecture

- LARCH 400 AutoCAD/LANDCAD
 LARCH 500 Landscape Architecture: Art of Place
 LARCH 600 Site Grading Workshop

Marine Science

Consult related department listings for summer offerings in marine science.

Mathematics

- MATH 101 History of Mathematics
 MATH 103 Mathematical Explorations
 MATH 105 Finite Mathematics
 MATH 106 Calculus for Biologists
 MATH 109 Precalculus Mathematics
 MATH 111-112 Calculus
 MATH 123 Analytic Geometry and Calculus
 MATH 171 Statistical Theory and Application in the Real World
 MATH 191 Calculus for Engineers
 MATH 221 Linear Algebra and Calculus
 MATH 293/294 Engineering 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

French

FRDML 101 French Basic Course I

FRDML 123 Continuing French

FRDML 203-213 Intermediate Composition and Conversation

FRDML 630 French for Reading—Graduate Students

German

GERLA 101 German Basic Course I

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 (odd-numbered years)

Russian

RUSSA 121-122 Russian Elementary Course

Sinhala (Sinhalese)

SINHA 160 Intensive Sinhala (even-numbered years)

Spanish

SPAND 101 Spanish Basic Course I

SPAND 123 Continuing Spanish

SPAND 203 Intermediate Composition and Conversation

Swahili

AS&RC 131-132 Swahili

Yoruba

YORUB 121-122 Elementary Yoruba

Music

MUSIC 101 The Art of Music

MUSIC 105-106 Introduction to Music Theory

MUSIC 274 Opera

MUSIC 331 Sage Chapel Choir

Natural Resources

NTRES 215 Environmental Disruption and Regulation

NTRES 306 Coastal and Oceanic Law and Policy

NTRES 417 Wetlands Resources

Near Eastern Studies

NES 103 Elementary Modern Hebrew

NES 104 Continuing Modern Hebrew

NES 119 Elementary Arabic

NES 394 Introduction to the Modern History of the Middle East and Africa: 1800-1960

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 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 101/102/103 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 214 Issues in Cognitive Psychology

PSYCH 280 Introduction to Social Psychology

PSYCH 311 Introduction to Human Learning and Memory

PSYCH 322 Hormones and Behavior

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 436 Successful Aging: Today and Tomorrow

Russian Literature

RUSSL 441 Russian Society and Culture Today

Sociology

SOC 101 Introduction to Sociology

Spanish Literature

SPANL 201 Introduction to Hispanic Literature

Theatre Arts

THETR 211 Dance Movement Workshop

THETR 223 The Comic Theater

THETR 254 Theatrical Makeup Studio

THETR 277 Video Production I

THETR 285 Creativity and the Actor

THETR 287 Summer Acting Workshop

Theoretical and Applied Mechanics

T&AM 202 Mechanics of Solids

T&AM 203 Dynamics

T&AM 293-294 Engineering Mathematics

T&AM 310 Advanced Engineering Analysis I

Writing

WRIT 137 Writing Workshop