

Division of Summer Session, Extramural Study, and Related Programs

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The Division

Cornell University's Division of Summer Session, Extramural Study, and Related Programs 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. The division office is located in B12 Ives Hall, Ithaca, New York 14853-3901 (telephone: 607/255-4987).

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. In addition, dozens of special programs are presented in varying formats, including on-site fieldwork and overseas study. 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, consult the Summer Session Office, B12 Ives Hall, or call 607/255-4987.

High school juniors and seniors may attend regular university courses and explore career options through Cornell University Summer College. For information, write Cornell University Summer College, B12 Ives Hall, or call 607/255-6203.

Extramural Study

The extensive credit-course offerings of the university are available to area residents on a part-time basis. Those interested may apply for admission to practically any course in the university and will be admitted if they receive the instructor's written approval. 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 reduced charge. Visitors are required to obtain written permission of the instructor. In this program no credit is given and no record is kept of attendance or

performance. Between the fall and spring terms the division offers winter session credit courses primarily for undergraduates but open to anyone. For information, contact the Extramural Office in B12 Ives Hall or call 607/255-4987.

Programs in Professional Education

Because of Cornell's leadership in both theoretical and applied research, the university offers unique opportunities for professional growth to persons in science, technology, government, business, and industry. The division's Programs in Professional Education are intensive updates taught by Cornell faculty members whose research involves areas of importance to the corporate sector and the professions. Programs in Professional Education can also respond to the needs and interests of corporations and professional societies by developing programs both on and off campus that are suited to their particular educational purposes. For information, telephone 607/255-7259.

Cornell's Adult University

Cornell's Adult University (CAU) offers one-week noncredit courses on campus during the summer and weekend seminars at off-campus locations during the fall and spring. Originally conceived as a program for alumni, CAU has greatly broadened its mission in the area of adult education. All courses and seminars 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, consult Cornell's Adult University, 626B Thurston Avenue, or call 607/255-6260.

Conference Services

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 staff is available to answer questions, advise on creative program ideas, assist in planning, make special arrangements, secure accommodations, and handle other administrative details. For information about conferences at Cornell, consult Cornell University Conference Services, Box 3, Robert Purcell Union, or call 607/255-6290.

Continuing Education Information Service

The extramural study registrar 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. Anyone who wants to take courses, begin an undergraduate or graduate degree program, or complete an unfinished degree is welcome to meet with the registrar. Information is available on all schools and departments of the university; opportunities for part-time and full-time study; special courses, workshops, and seminars; and community resources for older students. A small library includes information on educational opportunities at local institutions of higher learning, financial aid, work-study programs, and admission procedures. For information, contact Continuing Education Information Service, B12 Ives Hall, or call 607/255-4987.

Summer Courses

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, B12 Ives Hall, or call 607/255-4987. The summer session catalog is published in February. A preliminary course roster is also available on CUINFO beginning in November.

Africa Studies and Research Center

131-132 Swahili

204 History and Politics of Racism and Segregation

470 Nineteenth-Century Resistance Movements in Africa

483 Themes in African History: Cultural Heritage and Social Change

484 Politics, Conflict, and Change in South Africa

Anthropology

101-102 Introduction to Anthropology

242 American Indian Philosophies I: Power and World Views

Archaeology

Field study opportunities are usually available through this department.

Architecture

125 Introduction to Architecture

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

Art

121 Introductory Painting

123 Landscape Painting

131 Introductory Intaglio

132 Introductory Graphics

133 Introductory Lithography

141 Introductory Sculpture

151 Introductory Drawing

158 Conceptual Drawing

159 Life and Still-Life Drawing

161 Introductory Photography I

168 Black-and-White Photography

169 Color Photography

261 Photography II

361 Photography III

379 Independent Studio

Astronomy

105 An Introduction to the Universe

106 Essential Ideas in Relativity and Cosmology

Biological Sciences

- 107–108 General Biology
- 205 Ethics and Medicine
- 211 Basic Histology Techniques for Light Microscopy
- 245 Plant Biology
- 261 General Ecology
- 331 Principles of Biochemistry, Lectures
- 475 Ornithology
- 737 Advanced Biotechnology Laboratory

Chemical Engineering

- 220 Mass and Energy Balances

Chemistry

- 103–104 Introduction to Chemistry
- 207–208 General Chemistry
- 251–252 Introduction to Experimental Organic Chemistry
- 253–255 Elementary Organic Chemistry
- 300 Quantitative Chemistry
- 421 Introduction to Inorganic Research
- 433 Introduction to Analytical Research
- 461 Introduction to Organic Research
- 477 Introduction to Research in Physical Chemistry

Classics**Greek**

- 104 Intensive Greek

Latin

- 107 Intensive Latin

Classical Civilization

- 100 Word Power
- 102 Word Power for the Biological Sciences
- 109 The Art of Argument: An Introduction to Rhetoric
- 202 Aspects of Classical Civilization: The World of Nero and Saint Paul

Communication

- 116 Theories of Human Communication
- 120 Introduction to Mass Media
- 150 Writing for Media
- 201 Oral Communication
- 204 Effective Listening
- 234 Photo Communication
- 272 Principles of Public Relations and Advertising
- 342 Electronic Media

- 363 Organizational Writing
- 365 Writing in the Sciences and Engineering
- 375 Communication Planning and Strategy I
- 460–461 Video Communication
- 490 Field Research Techniques

Comparative Literature

- 110 World Cinema
- 121 Literatures from the Third World
- 201–202 Great Books

Computer Science

- 100 Introduction to Computer Programming
- 101 The Computer Age
- 211 Computers and Programming
- 222 Introduction to Scientific Computation
- 310 Data Structures
- 314 Introduction to Computer Systems and Organization
- 486 Applied Logic

Economics

- 101 Introductory Microeconomics
- 102 Introductory Macroeconomics
- 105 Principles of Accounting
- 205 Managerial Accounting for Planning and Control
- 311 Intermediate Microeconomic Theory
- 312 Intermediate Macroeconomic Theory
- 313 Intermediate Microeconomic Theory (calculus section)
- 314 Intermediate Macroeconomic Theory (calculus section)
- 319 Introduction to Statistics and Probability
- 320 Introduction to Econometrics
- 331/531 Money and Credit
- 336 Public Finance: Resource Allocation and Fiscal Policy
- 361/561 International Trade Theory and Policy
- 362/562 International Monetary Theory and Policy
- 365 Japanese Economy
- 368 Comparative Economics: United States, Europe, and the Soviet Union
- 371/571 Economic Development

Education

- 420 Field Experience
- 497 Informal Study
- 590 Special Topics in Education
- 620 Internship in Education

- 800 Master's-Level Thesis Research
- 900 Doctoral-Level Thesis Research

Electrical Engineering

- 476 Microprocessor Systems

English

- 108 Writing about Film
- 109 The Art of Argument: Introduction to Rhetoric
- 131 Critical Reading and Writing
- 135 Writing from Experience
- 137 Writing Workshop
- 150 The Modern Imagination
- 157 Classic American Authors
- 158 Modern American Authors
- 160 Afro-American Autobiography
- 165 Fantasy and Horror
- 227 Shakespeare
- 270 The Reading of Fiction
- 279 The Novel in Africa
- 280 Creative Writing Workshop
- 288/289 Expository Writing
- 319 Chaucer
- 327 Shakespeare
- 362 The American Renaissance
- 365 American Literature since 1945
- 384 Verse Writing
- 388 The Art of the Essay
- 470 James Joyce: *Ulysses*
- 477 Children's Literature

Floriculture and Ornamental Horticulture

- 210 Architectural Sketching in Watercolor

French Literature

- 201 Introduction to French Literature
- 202 Studies in French Literature

Geological Sciences

- 101 Introductory Geological Science
- 102 Introduction to Historical Geology
- 401 Summer Field Geology in Wyoming

Government

- 100.1 Revolutionaries and Power in Latin America
- 100.2 Race, Class, and Educational Opportunity
- 111 The Government of the United States

131 Introduction to Comparative Government and Politics

161 Introduction to Political Theory

181 Introduction to International Relations

310 Power and Poverty in America

316 The American Presidency

318 The American Congress

327 Civil Liberties in the United States

358 Politics of the Middle East

History

151/152 Introduction to Western Civilization

265 Ancient Greece from Homer to Alexander the Great

314 History of American Foreign Policy

341 Recent American History, 1945 to the Present

342 Hiroshima and Nagasaki

363 Russian History since 1800

History of Art

102 The Eiffel Tower, *The Thinker*, and the *Mona Lisa*: What Makes Them Art?

202 Survey of European Art: Renaissance to Modern

261 Introduction to Art History: Modern Art

Hotel Administration

161 Keyboarding for Managers on the Macintosh

486 Historical Introduction to Public Hospitality Law and Its Impact on American Society

Human Development and Family Studies

115 Human Development: Infancy and Childhood

155 History of Childhood in the United States

216 Adolescence and Youth: Biological and Cognitive Development

217 Adolescence and Youth: Personality and Social Development

445 Topics in Early Childhood Education and Development: Education of the Emotionally Disturbed Child

Human Service Studies

315 Human Sexuality: A Biosocial Perspective

Industrial and Labor Relations

Collective Bargaining

100 History of Industrial Relations in the United States

200/500 Collective Bargaining

201/501 Labor Relations Law and Legislation

Economic and Social Statistics

510 Introductory Statistics for the Social Sciences I

Labor Economics

240 Economics of Wages and Employment

540 Labor Economics

Organizational Behavior

120 Introduction to Macroorganizational Behavior

121 Introduction to Microorganizational Behavior and Analysis

371 Individual Differences and Organizational Behavior

372 Sociological Models of Organizations

472 Applied Organizational Behavior

Personnel and Human Resource Studies

260/560 Personnel Management

266 Personal Computer Basics

Marine Science

Consult the Shoals Marine Laboratory office for a complete list of summer offerings in marine science.

Mathematics

101 History of Mathematics

107 Finite Mathematics

109 Precalculus Mathematics

111-112 Calculus

123 Analytic Geometry and Calculus

192 Calculus for Engineers

213 Calculus

231 Linear Algebra

232 Elementary Algebra and Number Theory

294 Engineering Mathematics

336 Applicable Algebra

372 Elementary Statistics

421-422 Applicable Mathematics

486 Applied Logic

Mechanical and Aerospace Engineering

302 Technology, Society, and the Human Condition

Medieval Studies

102 King Arthur and His Knights

Microbiology

290-291 General Microbiology

Modern Languages and Linguistics

Chinese

160 Introductory Intensive Chinese (Mandarin)

201-202 Intermediate Chinese

Dutch

131-132 Dutch Elementary Reading Course

English

101-102 English as a Second Language

211 English as a Second Language

215 English for Later Bilinguals

French

101 French Basic Course I

123 Continuing French

203 Intermediate Composition and Conversation

German

121-122 Elementary German

123 Continuing German

631-632 Elementary Reading Course

Italian

101 Italian Basic Course I

123 Continuing Italian

Japanese

160 Introductory Intensive Japanese

403 Teaching of Japanese as a Foreign Language

Linguistics

101 Theory and Practice of Linguistics

Russian

123 Continuing Russian

203 Intermediate Composition and Conversation

Spanish

101 Spanish Basic Course I

123 Continuing Spanish

203 Intermediate Composition and Conversation

Music

101 The Art of Music

105 Introduction to Music Theory

Natural Resources

215 Environment Disruption and Regulation

216 Issues in Water Quality

219 Introduction to Natural History of the Finger Lakes Region

230 Food, Famine, and Population: Resource Policy and Management

Near Eastern Studies

103 Elementary Hebrew

104 Continuing Hebrew

223 Introduction to the Bible

294 Modern History of the Middle East

Nutritional Sciences

- 415 Field-based Learning in Nutrition

Operations Research and Industrial Engineering

- 260 Introductory Engineering Probability
270 Basic Engineering Probability and Statistics
622 Operations Research I

Philosophy

- 101 Introduction to Philosophy
103 Reasoning and Writing
131 Logic: Evidence and Argument
145 Contemporary Moral Issues
212 Modern Philosophy
231 Introduction to Formal Logic
245 Ethics and Medicine

Physical Education

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

Physics

- 101-102 General Physics
112 Physics I: Mechanics and Heat
213 Physics II: Electricity and Magnetism
214 Physics III: Optics, Waves, and Particles
400 Informal Advanced Laboratory
500 Informal Graduate Laboratory
510 Advanced Experimental Physics
520 Projects in Experimental Physics

Psychology

- 101 Introduction to Psychology: The Frontiers of Psychological Inquiry
109 The Nature of Dreams
123 Introduction to Biopsychology
128 Introduction to Psychology: Personality and Social Behavior
192 Introduction to the Senses
205 Perception
214 Knowledge and Reasoning
215 Psycholinguistics
265 Psychology and Law
280 Introduction to Social Psychology
281 Interpersonal Relations and Small Groups
325 Introductory Psychopathology
350 Statistics and Research Design
469 Psychotherapy: Its Nature and Influence
490 History and Systems of Psychology

Rural Sociology

- 437 Aging: Issues in the 1980s

Sociology

- 101 Introduction to Sociology
243 Family
264 Race and Ethnicity
281 Interpersonal Relations and Small Groups
347 Aging: Issues in the 1980s

Spanish Literature

- 130 Old World, New World: The Discovery and Conquest of America in Hispanic Literature
201 Introduction to Hispanic Literature

Textiles and Apparel

- 144 Introduction to Apparel Design
245 Dress: A Reflection of American Women's Roles

Theatre Arts

- 108 Writing about Film
200 Introduction to Dance I
284 Voice and Pronunciation Skills
287 Summer Acting Workshop
354 Stagecraft: Scenery and Lighting
362 Lighting Design and Technology
377 Fundamentals of 16-mm Filmmaking
474 Advanced Film Production
475 Seminar in the Cinema

Theoretical and Applied Mechanics

- 202 Mechanics of Solids
203 Dynamics