

# UNION

SUMMER  
2001

▼  
SCHENECTADY  
NEW YORK



# Summer Session @ Union

Summer Session is a great time for people of all ages to study at Union College and take advantage of the Capital Region's many attractions and events.

Choose from a wide variety of courses—from humanities, social sciences, science and engineering, to graduate programs in business, teacher education, computer science and engineering.

Recreational activities abound on the Mohawk and Hudson Rivers, in the resort village of Lake George and the Adirondack Mountains. Attend performances by the New York City Ballet, Philadelphia Orchestra, and a myriad of concerts offered by the Saratoga Performing Arts Center, including the Newport Jazz Festival.

Cooperstown's Baseball Hall of Fame and world class opera, Glimmerglass; Tanglewood (summer home of the Boston Symphony); Jacob's Pillow (home of world class classical and modern dance); and Williamstown (home of the Williamstown Theatre Festival) are all within easy access. Explore the historic homes of famous writers such as Edith Wharton, Herman Melville, Emily Dickinson, Nathaniel Hawthorn, and Edna St. Vincent Millay.

Finally, New York City, Boston, and Montreal are only three hours away by car or bus, less by train. Union's Summer Programs' schedule allows for three-day weekends, so take an excursion to these great cities, and have a great summer!

## CALENDAR

### May

14 Registration begins for summer terms

### June

8 Registration ends for Term I\*  
18 Term I begins—GMI, MED *only*  
19 Classes begin—Ed Studies *only*  
25 Classes begin

### July

20 Registration ends for Term II\*—GMI *only*  
24 Term I ends—GMI *only*  
25 Term II begins—GMI *only*

### August

30 Term II ends—GMI *only*

### Last day to drop/add or register:

Within 7 calendar days of the first class meeting.

*\*A \$50 late fee is charged after this date.*

## OFFICE HOURS

Before June 18    Monday-Friday 9 a.m.-4:30 p.m.  
After June 18     Monday-Friday 9 a.m.-4:00 p.m.

## SUMMER REGISTRATION

Visiting and new students who enroll in summer courses are designated as non-degree or special students. Visiting students from other colleges and universities should obtain permission from an appropriate official of their own school if they wish to transfer credit from Union College.

Qualified high school students may enroll in any of the lower level undergraduate courses. A high school recommendation is required.

All first-time students must submit an application form prior to registration.

## UNION COLLEGE

Graduate and Continuing Studies  
Lamont House Graduate Center  
Schenectady, New York 12308  
Telephone (518) 388-6148

# GENERAL INFORMATION

## CREDIT SYSTEM

Union College is on a trimester system; course units rather than hours are applied. Unless otherwise noted, each course is equivalent to  $3\frac{1}{3}$  semester hours or five-quarter hours.

The course numbering system has four levels. Courses numbered 010-099 are those for which only undergraduate credit is given. Courses numbered 100-199 may be taken for upper level undergraduate or for graduate credit, although some programs may limit the number of 100-level courses which may be taken for graduate credit. Courses numbered 200-299 are graduate courses open to undergraduate students on approval of the student's academic advisor or the course instructor. Those numbered 300-399 are courses open to graduate students only.

## DINING

Cafeteria service will be available at the Reamer Campus Center during the summer.

## FEES

**Application Fee** . . . . . \$50

**Registration Deposit** . . . . . \$100  
All registrations must be accompanied by a deposit of \$100. This minimum fee is non-refundable unless courses are canceled by the College. The deposit is applicable to tuition but must be paid before a registration will be processed.

**Late Registration** . . . . . \$50  
A late registration fee will be charged after the last day of registration for each term.

**Laboratory fees** . . . . . vary with course

**Transcript** . . . . . \$3

**Late Payment Fee** . . . . . \$50

## GRADING

Grades are awarded according to the following systems:

### Undergraduate

A 4.0	B+ 3.3	C+ 2.3	D 1.0
A- 3.7	B 3.0	C 2.0	F 0.0
	B- 2.7	C- 1.7	

### Graduate

A 4.0	B+ 3.3	C 2.0
A- 3.7	B 3.0	F 0.0
	B- 2.7	

Good standing in graduate studies requires a 3.0 average.

## HOUSING

Limited housing is available on campus. All inquiries should be directed to the Director of Residence Life, Union College, Old Chapel, Schenectady, New York 12308, (518) 388-6117.

## IDENTIFICATION CARDS

Students wishing to use college facilities must present their Summer School Identification Card, which is issued when full tuition payment is received. ID cards issued during the regular academic year are not acceptable.

## INDEPENDENT STUDY

Matriculated Union College students who intend to register for independent study during the summer must submit their proposal for study to the faculty member who will supervise the student's study, the student's departmental advisor and the appropriate dean. Approval forms are available at Lamont House Graduate Center.

## IMPORTANT NOTICE to All Students Planning to Enroll in Summer Courses

All students attending New York State colleges and universities, whose birthdate is on or after January 1, 1957, are required to show proof of immunity against measles, mumps, and rubella.

Proof of immunization must be submitted to the Health Services Office **prior to registration**. A form is available for this purpose. Students may also provide a physician's written statement as proof of immunization, but such documentation must provide all required information and be attached to our form. Health Services Office will provide the student with a "Health Clearance" form indicating compliance with the law. This form **must** be presented in order to register.

Students whose religious beliefs prohibit immunization, or for whom these immunizations would be detrimental to their health, will be required to submit documentation in support of their request for waiver. Questions concerning immunization requirements should be directed to the Health Services Office at (518) 388-6120.

## PARKING

Parking decals are necessary during the summer. Students must register their cars with the Security Office and should obtain a list of Parking Regulations. Parking areas are indicated in gray on the map in the back of this catalog.

## TRANSCRIPTS

Official transcripts from Union College must be requested in writing. They cannot be sent to students but will be mailed to other educational institutions, employers, and prospective employers. This insures the privacy of the student's academic records. Students, however, may request an "unofficial" copy for their own use. If you are requesting that credit be transferred to another college, you must complete a Transcript Request Form available at the Office of Graduate and Continuing Studies early in the term if you expect grades to reach your home institution by the early Fall.

## TUITION, REFUNDS, AND WITHDRAWALS

Full tuition payments are due on the last day of the registration period for each term as listed in the calendar. Tuition for undergraduate and graduate courses is listed below with the schedule of fees for withdrawal.

<b>Fees for Withdrawal from Courses</b>	<i>Within 7 days of First Class Meeting</i>	
<i>Type of Course</i>	<i>Tuition</i>	<i>Class Meeting</i>
MED . . . . .	\$2,865 . . . . .	\$150
Graduate Engineering . . . .	\$1,928 . . . . .	\$150
Undergraduate Science & Engineering, Liberal Arts . .	\$1,928 . . . . .	\$150
Graduate Management Institute . . . . .	\$1,625 . . . . .	\$150
Educational Studies . . . . .	\$1,308 . . . . .	\$150

To withdraw from a course, a student must notify the Graduate and Continuing Studies Office **in writing**. Withdrawals **prior** to the first class meeting will receive a full tuition refund, less the \$100 deposit. Withdrawals **within** seven calendar days of the first class meeting will be charged a \$150 withdrawal fee. Withdrawals **after** seven calendar days from the first class meeting will be charged full tuition and will be recorded on the transcript as a "W."

Students may withdraw from a course up until the end of the fourth week of class. Withdrawal after the fourth week will appear as an "F." Any student who stops attending a course without written notification to the Office of Graduate & Continuing Studies will also receive an "F."

**Please Note:** Students will not be permitted to withdraw if there is an outstanding balance on their bill.

## VETERANS ADMINISTRATION

Veterans who are eligible to receive educational benefits under the various chapters administered by the V.A. may obtain more information by contacting the Office of Graduate and Continuing Studies.

Entitlement will vary depending on the program. Veterans pay tuition and fees upon registering and subsequently receive benefit checks from the V.A. on a timely basis.

## BUILDING CODE KEY

BAIL	Bailey Hall
HUMN	Humanities Building
STZH	Steinmetz Hall
OLIN	Olin Center

**Please Note:** For matriculated Union undergraduate students taking summer courses to fulfill their General Education curriculum or Writing Across the Curriculum requirements please refer to the current Academic Register.

The information in this catalog was prepared as of April 1, 2001. Provisions of this publication are not to be regarded as an irrevocable contract between the student and Union College. The College reserves the right to make changes in its course offerings, degree requirements, regulations and procedures, and fees and expenses as educational and financial considerations require.

Union College does not discriminate on the basis of age, sex, race, color, religious belief, disability, sexual orientation, or national origin. The College's policy of nondiscrimination extends to all areas of college operations, including but not limited to admissions, student aid, athletics, employment, and educational programs.

---

# REGISTRATION

## REGISTRATION

Because certain courses have a limited enrollment, students are encouraged to register early, either by mail or in person. All payments **must** be made by check or credit card (MasterCard/VISA). An initial payment of \$100.00 must accompany your registration forms. Full tuition payments are due on the last day of registration.

The College retains the right to cancel a course if the enrollment is insufficient.

You will be notified by phone if a course is canceled; therefore, it is imperative that you list a local number where you can be reached during the day.

### How to Fill Out Registration Form

Please **PRINT** clearly.

- Complete all information on registration form.
  - I.D. Number
  - New Students: numbers will be assigned at the time registration.  
Previous students: numbers provided on mailing label.
  - Print full name.
  - Check applicable boxes.
  - Print course number and section in the boxes provided.
  - Tuition and Lab fee: given for each course.
- A student submitting the registration materials and deposit will be sent a receipt and “balance due” statement. Those paid in full will receive a summer ID card entitling them to use campus facilities and services.
- Provided you have received immunization clearance, and have the proper signatures, you may mail your registration forms (with a \$100 deposit or full payment) to:

UNION COLLEGE  
Office of Graduate & Continuing Studies  
Lamont House Graduate Center  
Schenectady, NY 12308

Otherwise you must register in person. If you are paying by credit card, you may FAX your registration form to 388-6686.

## CAMPUS RESOURCES

### Alumni Gym (518) 388-6284

*June 18–August 30*

Monday–Friday . . . . . 9:00 a.m.–6:00 p.m.  
Regular hours will resume on September 3.

### College Bookstore (518) 388-6188

The College Bookstore, located in Reamer Campus Center, is open Monday–Friday 8:15 a.m.–4:00 p.m.

*Special Summer Hours:*

Monday, June 18 . . . . . 8:15 a.m.–6:00 p.m.  
Monday, June 25 . . . . . 8:15 a.m.–6:00 p.m.  
Wednesday, July 25 . . . . . 8:15 a.m.–6:00 p.m.

### Schaffer Library (518) 388-6277

*June 18–August 31*

Monday–Thursday . . . . . 9:00 a.m.–10:00 p.m.  
Friday . . . . . 9:00 a.m.–5:00 p.m.  
Saturday . . . . . Closed  
Sunday . . . . . Noon–5:00 p.m.

### Sports Camps (518) 388-6284

Each summer, the athletic department of Union College sponsors a series of one-week sports camps for boys and girls entering grades four through twelve. Please call for more information.

# COURSES AT A GLANCE

<b>Registration:</b>	May 14 – June 8
<b>June 18</b>	Term I begins—GMI, MED only
<b>June 19</b>	Classes begin—Ed Studies only
<b>June 25</b>	Classes begin
<b>July 25</b>	Term II Begins—GMI only

## UNDERGRADUATE COURSE OFFERINGS

ACC 010	Survey of Accounting		June 25 – August 8	M/W; 1-4 p.m.	St. John
ANT 080	North American Indians		June 25 – August 2	T/TH; 1-4 p.m.	Schaefer
BIO 011	Topics in Contemporary Biology Lab		June 25 – August 2	T/TH; 9-noon TH; 1-4p.m.	Ott
CER 142	Soil Mechanics	<b>WAC: W1</b>	June 25 – August 30	T/TH; 6-9:30 p.m.	Ghaly
CLS 043	Classical Mythology		June 25 – August 2	M/W; 6-9 p.m.	J. Sargent
EER 148	Digital Circuits Lab		June 25 – August 2	T/TH; 4:40-6:30 p.m. TH; 6:40-9:30 p.m.	Hassib
EGL 023	American Short Story		June 25 – August 2	T/TH; 1-4 p.m.	Slade
EGL 031	Masterpieces of English Poetry	<b>WAC: W1</b>	June 25 – August 2	T/TH; 6-9 p.m.	Heinegg
HST 083	Mystics, Magic & Witchcraft		June 25 – August 2	M/W; 6-9 p.m.	S. Sargent
MER 062	Thermodynamics II	<b>WAC: W3</b>	June 25 – August 2	M/W; 4:40–7:30 p.m.	Wicks
MER 166	Heating, Vent & Air Conditioning		June 25 – August 2	T/TH; 4:40-7:30 p.m.	Wicks
MTH 010	Calculus I; Differential Calculus		June 25 – August 9	T/TH; 6-9 p.m.	Reynolds
PSC 011	Introduction to American Politics*		June 25 – August 2	T/TH; 1-4 p.m.	Brown
PSC 012	International Politics*		June 25 – August 2	T/TH; 6-9 p.m.	Brown
PSY 010	A First Course in Psychology		June 25 – August 2	T/TH; 1-4 p.m.	Staff
PSY 030	Personality		June 25 – August 2	T/TH; 6-9 p.m.	Spring
PSY 046	Introduction to Psychobiology		June 25 – August 2	T/TH; 9-Noon	Rieg

\*This course can be taken as **WAC: W1** optional.

### The following courses are restricted to Matriculated Leadership in Medicine students:

MED 044	Mammalian Anatomy	TBA	TBA
MED 045	Health and Human Values	TBA	TBA
MED 046	Health and Human Values: Independent Research	TBA	TBA

## GRADUATE COURSE OFFERINGS

### Educational Studies

EDS 211	Curriculum and Methods of Teaching English
EDS 212	Curriculum and Methods of Teaching Mathematics
EDS 213	Curriculum and Methods of Teaching Languages
EDS 214	Curriculum and Methods of Teaching Science
EDS 215	Curriculum and Methods of Teaching Social Studies
EDS 216	Curriculum and Methods of Teaching Technology
EDS 240	Psychology of Teaching
EDS 240L	Microteaching Laboratory

### MBA Courses

<b>TERM I</b>	<b>June 18 – July 24</b> *note MW courses must provide make-up for July 4th Holiday		
GMI 210	Financial Accounting	M/W; 6-9:30 p.m.	Arnold
GMI 225	Marketing Management and Strategy	T/TH; 6-9:30 p.m.	Barth
GMI 245	Management for Information Systems	M/W; 6-9:30 p.m.	MacLain
<b>TERM II</b>	<b>July 25 – August 30</b>		
GMI 200	Managing Ethically in a Global Environment	T/TH; 6-9:30 p.m.	Nydegger
GMI 212	Managerial Accounting and Finance	M/W; 6-9:30 p.m.	St. John

**UNDERGRADUATE COURSE DESCRIPTIONS****ACC 010. Survey of Accounting**

St. John

A survey of selected topics within various areas of accounting such as managerial accounting, financial accounting and tax accounting. Emphasis will be placed on concepts and not on record keeping.

**ANT 080. North American Indians**

Schaefer

A survey of North American Indians including their prehistory, the historical changes they have experienced, and a discussion of their current lifestyles, government policies, and problems.

**BIO 011. Topics in Contemporary Biology (with lab)**

Ott

Introduces students to methods and thought processes of experimental and descriptive biology. Topics include an overview of DNA structure and function; basic Mendelian genetics; evolution and natural selection at the population level; the process of speciation and the resulting diversity of animal and plant life; interaction between species, the ecology of communities, and their interactions with abiotic factors of the environment. One lab per week.

**CER 142. Soil Mechanics**

Ghaly

An introduction to the behavior of soils under different loading conditions. The course explores the natural characteristics methods of classification, and testing of soils as engineering material. Basic topics covered are soil exploration, composition, permeability, compaction, compressibility, shear strength and stresses within a soil mass, slope stability, and environmental geotechnology. Prerequisite: ESC 023. WAC: W1.

**CLS 043. Classical Mythology**

J. Sargent

Greek and Roman myths, with an emphasis on the ancient sources. All readings will be in English.

**EER 148. Digital Circuits**

Hassib

Special circuitry of digital systems; transistors as switches, logic gate families (RTL, DTL, TTL, ECL, MOS, CMOS, etc.), digital ICs semiconductor memories. Design projects required. Prerequisite: EER 18, 48, or permission of the instructor.

**EGL 023. The American Short Story**

Slade

The short story's evolution. Among the writers given special attention: Poe, Hawthorne, Melville, James, Anderson, Hemingway, Faulkner, and Barth.

**EGL 031. Masterpieces of English Poetry**

Heinegg

From Anglo-Saxon to Ebonics, from medieval England to modern America, from Geoffrey Chaucer to Adrienne Rich: select, intensive readings from The Norton Anthology of Poetry. While surveying this work in its historical context, the course will also emphasize the "timeless" qualities of poetry: verbal magic, tragic and comic vision, the creation of alternative worlds.

**HST 083. Mystics, Magic & Witchcraft**

S. Sargent

A survey of learned and popular beliefs about the influence of supernatural and occult powers on individuals and society.

**MER 062. Thermodynamics II**

Wicks

Conventional and unconventional processes and cycles for power generation and refrigeration. Prerequisite: MER 26. WAC: W3.

**MER 166. Heating, Ventilation, and Air Conditioning**

Wicks

Factors affecting human comfort and health, and the properties of moist air and conditioning processes for thermal environmental control. Use of ASHRAE data and psychometric charts. Calculation of heating and cooling loads. Analysis and design of HVAC systems. Application of solar energy for heating and cooling. Prerequisite: MER 62 or permission of the instructor.

**MTH 010. Calculus I: Differential Calculus**

Reynolds

Calculus of one real variable. Differentiation of algebraic functions, and applications. Not intended for students who have passed a calculus course or MTH 059.

**PSC 011. Introduction to American Politics**

Brown

Political institutions and processes in relation to relevant political principles, such as majority rule and limited government, the performance of essential government functions, elections, public opinion, decision-making processes, and selected public policy issues.

### **PSC 012. Introduction to International Politics**

Brown

Political relations among states, evolution of the Western state system, nationalism, the balance of power, diplomacy, international organization and law; the problems of war and peace in the context of the Cold War and after.

### **PSY 010. A First Course in Psychology**

Staff

The activities and experiences of the human being. Personality and its development, motives, learning and intelligence, and behavior in conflict.

### **PSY 030. Personality**

Spring

Classical and contemporary theories of personality, with an emphasis on current issues and research in the field. Prerequisite: Psychology 10 or equivalent.

### **PSY 046. Introduction of Psychobiology**

Rieg

Basic concepts of brain functioning as they relate to psychological phenomena. Neuroanatomy, neurotransmission, and brain sites Important in the mediation of consummatory behavior, emotions, pleasure, sleep, and memory. Prerequisite: Psychology 10 or equivalent.

## **EDUCATIONAL STUDIES**

All Educational Studies courses are part of their eight-week summer program which begins June 19. Please call the Educational Studies office at (518) 388-6361 for specific dates, locations, and times of each course listed.

### **EDS 211. Curriculum and Methods of Teaching English**

Room HUM 116; Vrtiak

Curricular planning and instruction for the teaching of English at the secondary school level. The course will include an analysis of secondary school language arts curricula, instructional techniques and strategies, designing and locating instructional materials, planning, implementing and evaluating units and lessons.

### **EDS 212. Curriculum and Methods of Teaching Mathematics**

Room HUM 012; Staff

Curricular planning and instruction for the teaching of mathematics at the secondary school level. The course will include an analysis of classic and current secondary mathematics curricula, instructional techniques and strategies for teaching mathematical concepts, designing and locating instructional materials, planning, implementing and evaluating units and lessons.

### **EDS 213. Curriculum and Methods of Teaching Languages**

Room HUM 010; Remaly

Curricular planning and instruction for the teaching of modern and classical languages at the secondary school level. The course will include an analysis of secondary language curricula and methodologies, the teaching of speaking, listening, reading and writing, designing and locating instructional materials, planning, implementing and evaluating units and lessons.

### **EDS 214. Curriculum and Methods of Teaching Science**

Room HUM 014, 016; Scott

Curricular planning and instruction for the teaching of science at the secondary school level. The course will include an analysis of classic and current secondary science curricula, techniques and strategies for teaching scientific concepts, laboratory methods and safety, designing and locating instructional materials, planning, implementing and evaluating units and lessons.

### **EDS 215. Curriculum and Methods of Teaching Social Studies**

Room HUM 112, 117; Staff

Curricular planning and instruction for the teaching of social sciences at the secondary school level. The course will include an analysis of secondary social studies curricula, models and techniques for teaching and integrating the various social sciences, designing and locating instructional materials, planning, implementing and evaluating units and lessons.

### **EDS 216. Curriculum and Methods of Teaching Technology**

Room HUM 019; Staff

Designed for those with a technology or engineering background, this course will help prepare technology educators to promote students' learning by the use of multiple instructional models. This course builds teacher skills in lesson planning, content organization, and hard and software evaluation and use. New York State Standards for technology and evolving approaches to integration of technology in the teaching/learning process will also be explored. Only matriculated MAT students may enroll in this course

### **EDS 240. Psychology of Teaching**

Room HUM 115; Allen/Blom/Hall

Theories of learning and cognition applied to instruction; models and research on teaching in secondary schools, including essential elements of literacy teaching in the content areas. This course will include a laboratory component with microteaching experiences and must be taken in the summer preceding the teaching internship. Only matriculated MAT students may enroll in this course. (Co-requisite: EDS 240 LAB)

**EDS 240L. Microteaching Laboratory**

Room HUM 014,016,019,008; Staff

Students prepare and present several 5-30 minute lessons using a variety of modes and models. Lessons are videotaped and critiqued by peer-coaches and laboratory faculty. (Co-requisite: EDS 240 recitation)

**GRADUATE MANAGEMENT INSTITUTE**

Registration: May 14 – June 8—Term I

May 14 – July 20—Term II

Term I: June 18 – July 24\*

*\*MW classes will have a makeup due to the July 4th Holiday*

Term II: July 25 – August 30

**GMI 210. Financial Accounting—TERM I**

Room Olin 307; MW 6-9:30 p.m.; Arnold

A study of the accounting cycle, including preparation and analysis of income statement and balance sheets, price level problems, ratio analysis, and funds flow-cash flow; a critical study of generally-accepted accounting principles.

**GMI 225. Marketing Management and Strategy—TERM I**

Room Olin 307; TTH 6-9:30 p.m.; Barth

This course presents readings and case studies in strategic market planning, a discussion of the product life cycle, marketing mix, product policy, pricing strategies, channels of distribution, promotion, international marketing, and marketing organization with special emphasis on long term implications.

**GMI 245. Management for Information Systems—TERM I**

Room HU 008; MW 6-9:30 p.m.; MacLain

This course considers the use of management information systems within the organization, specifically addressing what an information system is, the underlying technologies, and how current and future computing and telecommunications technologies will contribute to the daily operation and competitiveness of the organization. Particular emphasis is placed on use of information systems to gain competitive advantage.

**GMI 200. Managing Ethically in a Global Environment—TERM II**

Room HU 008; TTH 6-9:30 p.m.; Nydegger

This course examines issues of team functioning, ethics, and managing differences, all in an increasingly global business environment. Students work individually and in groups to improve written and verbal communication skills.

**GMI 212. Managerial Accounting and Finance—TERM II**

Room HU 008; MW 6-9:30 p.m.; St. John

An introduction to the tools and techniques of financial analysis and decision making. Topics covered include financial statement analysis, cost classification and behavior, cost-volume-profit analysis, incremental cost analysis, time value of money, capital budgeting, risk and return, capital structure and the cost of capital, and financial planning. Spreadsheet programs are used extensively in this course. Prerequisite: GMI 210.

**GMI 260. Executive Decision Processes in Global Environments—TERM II**

Room Olin 307; MW 6-9:30 p.m.; Belasen

Along with information technology, international management is the major challenge facing organization in the hypercompetitive global marketplace. Companies that once served a specific geographic area or serviced a specific need have learned to compete with Anybody, Anywhere, Anytime. Needing to diversify in order to compete effectively, an increasing number of multinational companies are finding it essential to anticipate changes and innovate continually to become world-class organizations. Global management requires visionary leaders and strategic thinkers who are driven by a customer focus and continuous improvement, supported by a fluid virtual organization and sustained by creative human capital and extensive information technology. These leaders must also recognize the existence of cognitive barriers to decision-making and how to overcome decision traps and make better choices for their multinational companies. Using internet-based search engines, cases, and small group projects, students will have hands-on-experiences and acquire the skills necessary to become successful decision makers for their multinational companies.

---

# ADMINISTRATION & FACULTY

## ADMINISTRATION

**Roger H. Hull**, President; A.B. 1964, Dartmouth College; LL.B. 1967, Yale Law School; LL.M. 1972, J.D. 1974, University of Virginia

**Christina E. Sorum**, Vice President for Academic Affairs/Dean of the Faculty and Frank Bailey Professor of Classics; B.A. 1967, Wellesley College; Ph.D. 1975, Brown University

## FACULTY

**Patrick F. Allen**, Director of Educational Studies; B.A. 1963, University of California; M.A. 1967, Ph.D. 1974, Indiana University

**Donald F. Arnold**, Professor of Management; B.S. 1966, State University of New York at Albany; M.B.A. 1968, Ph.D. 1972, State University of New York at Buffalo

**Robert Barth**, Adjunct Associate Professor of Management; B.S. University of Florida, M.B.A. Oklahoma City University

**Alan T. Belasen**, Adjunct Associate Professor of Management; B.A. 1979, M.P.A. 1981, Hebrew University of Jerusalem; Ph.D. 1987, State University of New York at Albany

**Ken Blom**, Adjunct Associate Professor of Educational Studies; B.S. 1968, Ph.D. 1988, State University of New York at Albany

**Clifford W. Brown, Jr.**, Professor of Political Science; A.B. 1964, A.M. 1970, Ph.D. 1970, Harvard University

**Thomas Della Sala**, Adjunct Associate Professor of Educational Studies; B.A. 1971, University of Pittsburgh; M.A. 1973, State University of New York at Albany

**Ashraf Ghaly**, Assistant Professor of Civil Engineering; B.Sc. 1982, M.Sc. 1986, Alexandria University, Alexandria, Egypt; Ph.D. 1990, Concordia University, Montreal, Canada

**Beatrice Hall**, Assistant Director of Educational Studies; B.A. 1973, State University of New York; M.A. 1983, University of Massachusetts

**Ekrum L. Hassib**, Associate Professor of Electrical Engineering and Computer Science and Co-Chair of the Department. B.Sc. 1964, University of Cairo; M.Sc. 1968, Al-Azhar; Ph.D. 1971, Warsaw Politechnics

**Peter D. Heinegg**, Professor of English; B.A. 1965, Fordham University; Ph.D. 1971, Harvard University

**Irene Jovell**, Adjunct Professor of Educational Studies; B.S. 1971, Russell Sage College; M.S. 1975, State University of New York at Albany

**Tim Keeley**, Lab Instructor—Educational Studies; B.A. 1971, M.A. 1975, State University of New York at Albany

**Patricia Kennedy**, Lab Instructor—Educational Studies; A.B., State University of New York at Albany; M.S. 1980, College of Saint Rose

**Victoria Martinez**, Associate Professor of Spanish, Chair of Modern Languages, and Associate Professor of Educational Studies; B.A. 1971, M.A. 1986, University of Kentucky; Ph.D. 1992, Arizona State University

**James MacLain**, Adjunct Associate Professor of Management; B.S. 1995, Rensselaer Polytechnic Institute

**Rudy V. Nydegger**, Associate Professor of Psychology; B.A. 1966, Wichita State University; Ph.D. 1970, Washington University

**Robert F. Ott**, Adjunct Assistant Professor of Biology; B.S. 1978, Southern Connecticut State College; M.A. 1990, North Adams State College

**Allen R. Remaley**, Adjunct Associate Professor of Educational Studies; B.S. 1964, Lock Haven University; M.A. 1969, Penn State University; Ph.D. 1990, State University of New York at Stony Brook

**Phillip R. Reynolds**, Adjunct Associate Professor of Educational Studies; B.S. 1960, Cornell University; M.A. 1969, Colgate University; Ed.D. 1973, University of Rochester

**Rick Reynolds**, Adjunct Associate Professor of Educational Studies; B.A. 1972, M.S. 1975, State University of New York at Oneonta

**Thomas Rieg**, Visiting Assistant Professor of Psychology. B.A. 1983, M.A. 1986, Ph.D. 1989, University of Rhode Island

**Jeanette L. Sargent**, Adjunct Instructor of Classics; A.B. 1975, University of Massachusetts; M.A. 1978, Bryn Mawr College

**Steven Sargent**, Associate Professor of History; B.S. 1968, Purdue University; M.S. 1970, New York University; B.A. 1973, M.A. 1975, University of Massachusetts; Ph.D. 1982, University of Pennsylvania

**James M. Schaefer**, Adjunct Associate Professor of Anthropology; B.A. 1966, University of Montana; M.A. 1970, Ph.D. 1973, State University of New York at Buffalo

**Paul Scott**, Adjunct Assistant Professor of Educational Studies; B.S. 1968, Cornell University; M.S. 1989, Pennsylvania State; M.A.T. 1997, Union College

**Leonard Slade**, Adjunct Professor of English; B.S. 1963, North Carolina State University; M.A. 1965 Virginia State University; Ph.D. 1972, University of Illinois; L.D. HUM 1989, Kentucky State University

**Donald Spring**, Assistant Professor of Psychology and Director of the Counseling Service. B.S. 1969, Springfield College; M.A. 1972, Ph.D. 1973, University of Rhode Island.

**William St. John**, Adjunct Professor of Accounting and Management, B.S. Siena College, M.S. Union College, Ph.D. Rensselaer Polytechnic Institute

**Kate Vrtiak**, Adjunct Associate Professor of Educational Studies; B.A. 1965, M.A. 1970, State University of New York at Albany

**Terry S. Weiner**, Professor of Political Science and Chair of the Department of Political Science; B.A. 1970, University of Illinois; M.A. 1972, Ph.D. 1975, University of North Carolina

**Frank E. Wicks**, Associate Professor of Mechanical Engineering; B.S. 1961, State University of New York Maritime College; M.S. 1966, Union College; Ph.D. 1976, Rensselaer Polytechnic Institute; P.E.

# UNION

Graduate and Continuing Studies  
Lamont House Graduate Center  
Schenectady, New York 12308

Telephone: (518) 388-6148  
Fax: (518) 388-6686  
<http://www.union.edu>