



# UNIVERSITY PERSONNEL

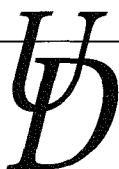
UNIVERSITY OF DELAWARE  
2003-2004



UNIVERSITY  
PERSONNEL

UNIVERSITY OF DELAWARE

2005-2006



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(As of May 2003)

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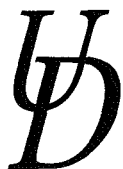
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## THE UNIVERSITY STAFF

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### Officers of the University Administration

DAVID P. ROSELLE, Ph.D. (Duke), President; also Professor of Mathematics.  
DANIEL RICH, Ph.D. (MIT), Provost; also Professor, Urban Affairs and Public Policy.  
DAVID E. HOLLOWELL, M.B.A. (Boston), Executive Vice President and University Treasurer.  
MAXINE COLM, Ed.D. (Delaware), Vice President for Administration.  
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SUSAN J. FOSTER, M.Ed. (Temple), Vice President for Information Technologies.  
PIERRE D. HAYWARD, B.A. (Trinity), Vice President and University Secretary.



# THE FACULTY

## COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

### Office Of The Dean

ROBIN MORGAN, Ph.D. (Johns Hopkins), Dean, and Director of the Agricultural Experiment Station; also Professor, Animal and Food Sciences.

JANICE SEITZ, Ph.D. (Illinois), Director, Cooperative Extension and Associate Dean for Extension and Outreach.

JOHN E. DOHMS, Ph.D. (Ohio State), Interim Associate Dean for Academic Programs; also Professor, Immunology and Microbiology.

KAREN ROTH ANIUNAS, M.Ed. (Delaware), Assistant Dean for Student Services.

JULIE M. BURTON, B.S. (Wilmington College), Assistant Dean of Operations.

### Agricultural And Technology Education

J. RICHARD BACON, M.S. (Tennessee), Director, Agricultural and Technology Education; also Instructor, Food and Resource Economics.

PATRICIA S. BARBER, Ed.D. (Florida), Associate Professor, Food and Resource Economics.

### ADJUNCT APPOINTMENT

Adjunct Faculty: ARBA HENRY

### Animal And Food Sciences

JOHN K. ROSENBERGER, Ph.D. (Wisconsin), Alumni Distinguished Professor and Chair: Microbiology.

CALVIN KEELER, Ph.D. (Maryland), Professor and Assistant Chair: Molecular virology.

ROBERT L. ALPHIN, JR., M.S. (Delaware), Instructor and Poultry Research Coordinator.

AMY ANDERSON, B.S. (Delaware), Research Associate III.

ERIN L. BERNBERG, B.S. (Lehigh), Limited Term Researcher.

CYNTHIA M. BOETTGER, B.S. (Delaware), Research Associate II.

JOAN BURNSIDE, Ph.D. (Dartmouth), Professor; also Professor, Biological Sciences.

WILFRID G. CARRE, Ph.D. (Ensa Rennes), Limited Term Researcher.

SANDRA S. CLOUD, Ph.D. (Delaware), Scientist: Virology.

LARRY A. COGBURN, Ph.D. (Illinois), Professor: Avian physiology.

L. AMARIN COGBURN, B.S. (Delaware), Research Associate I.

JING CUI, Ph.D. (Delaware), Limited Term Researcher.

CATHERINE G.A. DAVIES, Ph.D. (Leeds University), Assistant Professor: Food biochemistry/biotechnology.

JOHN E. DOHMS, Ph.D. (Ohio State), Professor: Immunology and microbiology; also Interim Associate Dean for Academic Programs, College of Agriculture and Natural Resources.

DANIELLE M. DOWNS, B.S. (Delaware), Limited Term Researcher.

ROBERT M. DYER, V.M.D., Ph.D. (Pennsylvania), Associate Professor: Veterinary medicine, production medicine, large animal immunology.

MARLENE G. EMARA, Ph.D. (Ohio State), Associate Professor: Molecular immunology.

NEGEDE GEDAMU, B.S. (Norfolk State), Research Associate I.

JACK GELB, JR., Ph.D. (Georgia), Professor: Virology.

KAREN GOUGE, Poultry Farm Manager.

LESA GRIFFITHS, Ph.D. (Purdue), Professor: Monogastric nutrition; also Director, Center for International Studies.

DALLAS G. HOOVER, Ph.D. (Minnesota), Professor: Food microbiology, biotechnology, fermentations, food safety.

GRACE K. ISAACS, B.S. (Delaware), Research Associate II.

ROLF D. JOERGER, Ph.D. (North Carolina State), Associate Professor: Microbial genetics and physiology.

BREWSTER KINGHAM, M.S. (Delaware), Research Associate III.

LIMIN KUNG, Ph.D. (Michigan State), Professor: Ruminant nutrition and microbiology.

BRIAN S. LADMAN, M.S. (Delaware), Research Associate III.

JAMES A. MAAS, Ph.D. (Guelph), Assistant Professor: Ruminant nutritional physiology.

GEORGE W. MALONE, M.S. (Massachusetts), Extension Poultry Specialist.

DAVID L. MARSHALL, V.M.D. (Pennsylvania), Assistant Professor, Equine studies; equine extension veterinarian.

ELIZABETH P. McMULLEN, B.S. (Delaware), Assistant to the Chair.

ROBIN W. MORGAN, Ph.D. (Johns Hopkins), Professor; also Dean, College of Agriculture and Natural Resources; also Professor, Biology and Professor, Chemistry and Biochemistry.

MICHAEL E. PERSIA, Ph.D. (Illinois), Limited Term Researcher.

CONRAD R. POPE, D.V.M. (Tuskegee), Professor: Veterinary pathology.

HILARY J. REIDY, A.A.S. (Del Tech), Research Associate I.

MARIANO SALEM, V.M.Z. (Mexico), Senior Scientist and Director, Poultry Diagnostic Laboratory: Veterinary diagnostics.

WILLIAM W. SAYLOR, Ph.D. (Penn State), Associate Professor: Monogastric nutrition.

CARL J. SCHMIDT, Ph.D. (Johns Hopkins), Associate Professor: Genomics.

ADRIENNE E. SHEARER, M.S. (Delaware), Research Associate III.

O. SUE SNIDER, Ph.D. (Missouri), Professor and Extension Specialist; also Associate Professor, Nutrition and Dietetics.

KATHLEEN SPLANE, B.S. (Delaware), Extension Associate I.

PHAEDRA I. TAVLARIDES-HONTZ, B.S. (Delaware), Research Associate I.

DIANE D. TOTH, A.A.S. (Del Tech), Research Specialist.

MARCELLA M. TROEBER, B.S., (Delaware), Research Associate II.

XIAOFEI WANG, Ph.D., (Hong Kong), Research Associate III.  
XIAOQIN XU (Hubei), Research Associate II.

#### **JOINT AND ADJUNCT APPOINTMENTS**

Biological Sciences: MELINDA K. DUNCAN, Ph.D.  
Delaware Biotechnology Institute: DAVID S. WEIR, Ph.D.  
Adjunct Faculty: KEVIN B. HICKS, MICHAELA KRISTULA,  
HYUN S. LILLEHOJ, JOHN A. PROUDMAN, JAMES E.  
WOHLT.

#### **Bioresources Engineering**

WILLIAM F. RITTER, Ph.D. (Iowa State), Professor and Chair: Soil  
and water engineering, waste management.  
JAMES R. ADKINS, B.S. (Maryland), Extension Associate III.  
CARMINE C. BALASCIO, Ph.D. (Iowa State), Associate Professor:  
Storm water management, hydrologic modeling.  
ERIC R. BENSON, Ph.D. (Illinois), Assistant Professor: Machine  
vision, applied controls, vehicle guidance.  
ANASTASIA E. M. CHIRNSIDE, M.S. (Delaware), Research  
Associate III.  
NORMAN E. COLLINS, Ph.D. (Pennsylvania), Professor: Fluid  
dynamics, power and machinery.  
JAMES L. GLANCEY, Ph.D. (California, Davis), Associate Professor:  
Mechanical design, mechanical and fluid power systems modeling.  
RONALD C. JESTER, M.S. (Purdue), Extension Safety Specialist.  
LUTHER J. KEMBLE, B.S. (Delaware), Research Associate III.  
PALANIAPPA KRISHNAN, Ph.D. (Illinois), Associate Professor and  
Director, Operations Research Program: Chemical spray application,  
machinery management.  
KENNETH M. LOMAX, Ph.D. (Maryland), Associate Professor:  
Ventilation systems, biological engineering.  
IAN McCANN, Ph.D. (Texas A&M), Assistant Professor: Irrigation  
systems, water management.  
JAMES N. SCARBOROUGH, Ph.D. (Illinois), Associate Professor:  
Structures.  
GARRETT VAN WICKLEN, Ph.D. (New York) Associate Professor:  
Poultry housing.

#### **Entomology And Wildlife Ecology**

DOUGLAS W. TALLAMY, Ph.D. (Maryland), Professor and Chair:  
Insect behavioral ecology, the evolution of parental behavior in  
arthropods, plant-insect interactions.  
JACOB L. BOWMAN, Ph.D. (Mississippi State), Assistant Professor:  
Wildlife ecology, conservation biology, biometrics, habitat  
management, mammalogy.  
DEWEY M. CARON, Ph.D. (Cornell), Professor: Apiology, insect  
behavior and general entomology.  
JUDITH A. HOUGH-GOLDSTEIN, Ph.D. (Cornell), Professor: Insect  
pest management, insect behavior and ecology.  
CLIFFORD B.O. KEIL, Ph.D. (Virginia Tech), Associate Professor:  
Insect genetics, genetics of insecticide resistance, insect pathology,  
mushroom insects.  
CHARLES E. MASON, Ph.D. (Kansas State), Professor: Pest  
management of stalk-boring insects, biological control and chemical  
ecology of host plant associations.  
ROLAND R. ROTH, Ph.D. (Illinois), Professor: Ecology, ornithology,  
and wildlife conservation.  
JOANNE M. WHALEN, M.S. (Delaware), Extension Specialist:  
Integrated pest management.  
SUSAN P. WHITNEY, Ph.D. (North Carolina State), Extension  
Specialist: Pesticides.

#### **JOINT AND ADJUNCT APPOINTMENTS**

Animal and Food Sciences: CALVIN KEELER.  
Adjunct Faculty: WILLIAM H. DAY, LINDSEY FLEXNER, ROGER  
W. FUESTER, JON GELHAUS, JOHN GINGRICH, CALEB  
HOLYOKE, KEITH HOPPER, JOHN JACKSON, DANIEL

OTTE, PAUL SCHAEFER, MICHAEL SMITH, JEAN L.  
WOODS.

#### **Food And Resource Economics**

THOMAS W. ILVENTO, Ph.D. (Penn State), Professor and Chair:  
Rural sociology and community economic development.  
TITUS O. AWOKUSE, Ph.D. (Texas A&M), Assistant Professor:  
International trade and quantitative analysis.  
J. RICHARD BACON, M.S. (Tennessee), Instructor: Agricultural  
education, marketing and risk management.  
PATRICIA BARBER, Ed.D. (Florida), Associate Professor: Family  
economics and agricultural education.  
JOHN C. BERNARD, Ph.D. (Cornell), Assistant Professor:  
Experimental economics.  
JOSHUA M. DUKE, Ph.D. (Wisconsin), Assistant Professor:  
Environmental law, land use and resource economics; also Assistant  
Professor, Legal Studies.  
PAUL P. EGGERMONT, Ph.D. (SUNY, Buffalo), Associate Professor:  
Nonparametric statistics, ill-posed problems, integral equations and  
image reconstruction.  
CONRADO M. GEMPESAW II, Ph.D. (Penn State), Professor:  
Production economics, agricultural finance, and statistics; also  
Professor: Economics; also Vice Provost for Academic and  
International Programs.  
CARL L. GERMAN, M.S. (Southern Illinois), Crops Marketing  
Specialist: Cooperative Extension.  
STEVEN E. HASTINGS, Ph.D. (Penn State), Professor: Resource  
economics and rural development.  
RHONDA HYDE, Ph.D. (Clemson), Associate Professor; also  
Associate Professor, Operations Research Program.  
PALANIAPPA KRISHNAN, Ph.D. (Illinois), Associate Professor and  
Director, Operations Research Program: Chemical spray application,  
machinery management.  
RHONDA PITTS, M.S. (North Carolina State University), Instructor:  
Statistics.  
VINCENT N. LaRICCIA, Ph.D. (Texas A&M), Associate Professor:  
Statistics.  
JOHN E.A. MACKENZIE, Ph.D. (Rhode Island), Associate Professor:  
Resource economics, GIS, and land use.  
SCOTT A. MALCOLM, Ph.D. (Pennsylvania), Assistant Professor:  
Operations research and production systems.  
DAVID M. MASON, Ph.D. (Washington), Professor: Probability and  
statistics.  
PATRICIA NELSON, Ed.D. (Columbia), Professor and Family and  
Child Development Specialist; also Associate Professor, Individual  
and Family Studies.  
JOHN PESEK, Ph.D. (Michigan), Instructor: Statistics.  
LIDIA REJTO, Ph.D. (E. Lorand University), Associate Professor:  
Probability and statistics.  
H. DON TILMON, Ph.D. (Purdue), Professor and Farm Management  
Specialist: Cooperative Extension.  
ULRICH C. TOENSMEYER, Ph.D. (Maryland), Professor: Food  
marketing management and sales, futures and options markets.  
LAURIE G. WOLINSKI, B.S. (Delaware), Farm Management  
Associate.

#### **Longwood Graduate Program In Public Horticulture**

JAMES E. SWASEY, Ph.D. (Maryland), Longwood Graduate Program  
Coordinator; also Professor, Plant and Soil Sciences: Landscape  
plants, landscape maintenance.  
Additional faculty are selected annually to participate in this  
interdisciplinary program.

## Operations Research

- PALANIAPPA KRISHNAN, Ph.D. (Illinois), Director, Operations Research Program; also Associate Professor, Bioresources Engineering and Food and Resource Economics: Operations research in agriculture, modeling environmental parameters, power and machinery management.
- RICHARD J. AGNELLO, Ph.D. (Johns Hopkins), Associate Professor, Economics: Econometrics and forecasting, fisheries and transportation economics.
- LEE G. ANDERSON, Ph.D. (Washington, Seattle), Professor, Marine Studies; also Professor, Economics: Natural resources and environmental economics, fishery management, benefit-cost analysis.
- CARMINE C. BALASCIO, Ph.D. (Iowa State), Associate Professor, Bioresources Engineering: Water Resources Engineering.
- DANIEL L. CHESTER, Ph.D. (California, Berkeley), Associate Professor, Computer and Information Sciences: Artificial intelligence, natural language processing, planning systems.
- PAUL P. EGGERMONT, Ph.D. (SUNY, Buffalo), Associate Professor, Food and Resource Economics; also Associate Professor, Computer and Information Sciences: Numerical analysis, integral equations, and image reconstruction.
- CONRADO M. GEMPESAW II, Ph.D. (Pennsylvania State), Professor, Food and Resource Economics; also Vice Provost for Academic and International Programs.
- RHONDA AULL HYDE, Ph.D. (Clemson), Associate Professor, Food and Resource Economics: Applied linear programming, inventory models, decision analysis.
- SHINYA KIKUCHI, Ph.D. (Pennsylvania), Professor, Civil and Environmental Engineering: Optimization of transportation systems and logistics.
- VINCENT N. LaRICCIA, Ph.D. (Texas A&M), Associate Professor, Food and Resource Economics: Mathematical statistics.
- SCOTT A. MALCOLM, Ph.D. (Pennsylvania), Assistant Professor, Food and Resource Economics: Operations research and production systems.
- AJAY K. MANRAI, Ph.D. (Northwestern), Professor, Business Administration: Econometrics, optimization theory.
- DAVID M. MASON, Ph.D. (Washington), Professor, Food and Resource Economics: Probability and statistics.
- DAVID L. MILLS, Ph.D. (Michigan), Professor, Electrical and Computer Engineering: Data communications, computer networks and protocol engineering.
- LIDIA REJTO, Ph.D. (E. Lorand University), Associate Professor, Food and Resource Economics: Probability and statistics.
- RICHARD S. SACHER, Ph.D. (Stanford), Manager, Information Technologies-User Services; also Associate Professor, Mathematical Sciences: Mathematical programming, statistical computation.
- ADARSHPAL SETHI, Ph.D. (Indian Institute of Technology, Kanpur), Professor, Computer and Information Sciences: Performance evaluation modeling, network management and control, local area networks, distributed systems.
- CLIFFORD W. SLOYER, Jr., Ph.D. (Lehigh), Professor, Mathematical Sciences: Operations research in public systems and utility companies, topology.
- PAUL L. SOLANO, Ph.D. (Maryland), Associate Professor, Urban Affairs and Public Policy: Political economy, public finance, public financial management, public choice.
- JOHN S. YING, Ph.D. (California, Berkeley), Associate Professor, Economics: Economic theory and industrial organization.
- SUSAN S. BARTON, M.S. (North Carolina State), Instructor, Extension Specialist IV.
- GREGORY BINFORD, Ph.D. (Iowa State), Assistant Professor: Soil and water quality.
- ROBERT B. CARROLL, Ph.D. (Penn State), Professor: Plant pathology.
- THOMAS A. EVANS, Ph.D. (Michigan State), Associate Professor: Vegetable pathology.
- JOHN J. FRETTE, Ph.D. (Georgia), Professor: Ornamental horticulture.
- DAVID R. FREY, Ph.D. (Delaware), Associate Professor: Ornamental horticulture.
- HUGH FRICK, Ph.D. (SUNY, Stony Brook), Associate Professor: Plant physiology.
- JEFFREY J. FUHRMANN, Ph.D. (North Carolina State), Professor: Soil microbiology.
- KAREN GARTLEY, M.S. (Delaware), Director, Soil Testing Program.
- CAROLINE M. GOLT, B.S. (Delaware), Research Associate III.
- PAMELA GREEN, Ph.D. (SUNY), Crawford H. Greenwalt Chair; also Professor, Chemistry and Biochemistry and Marine Studies: Plant molecular biology.
- DAVID HANSEN, Ph.D. (Iowa State), Assistant Professor: Soil and water quality.
- JAMES A. HAWK, Ph.D. (Cornell), Professor: Plant breeding and genetics.
- GERALD J. HENDRICKS, B.S. (Delaware), Research Associate III.
- YAN JIN, Ph.D. (California, Riverside), Associate Professor: Environmental soil physics.
- W. ED KEE, JR., M.S. (Delaware), Vegetable Crops Specialist.
- SHERRY L. KITTO, Ph.D. (Purdue), Professor: Ornamental horticulture.
- CAROL KRAWCZYK, A.S.L.A. (Virginia), Assistant Professor: Landscape horticulture.
- BLAKE C. MEYERS, Ph.D. (California, Davis), Assistant Professor: Plant biology.
- ROBERT P. MULROONEY, M.S. (Delaware), Plant Pathology Specialist/Agricultural Agent.
- CATHERINE OLSEN, M.S. (Delaware), Lab Supervisor, Soil Testing.
- MARIA PAUTLER, M.S. (Delaware), Research Associate II.
- WALLACE G. PILL, Ph.D. (Missouri), Professor: Horticulture.
- THOMPSON D. PIZZOLATO, Ph.D. (Miami University), Professor: Anatomy and morphology.
- ALLAN D. SHAPIRO, Ph.D. (Stanford), Assistant Professor: Plant biology.
- JANINE SHERRIER, Ph.D. (Texas A&M), Assistant Professor: Plant biochemistry and plant microbe interactions.
- J. THOMAS SIMS, Ph.D. (Michigan State), T.A. Baker Professor: Soil chemistry and management.
- JAMES E. SWASEY, Ph.D. (Maryland), Professor and Coordinator of Longwood Graduate Program: Ornamental horticulture.
- RICHARD W. TAYLOR, Ph.D. (Connecticut), Extension agronomy and soil science specialist.
- ROBERT UNIATOWSKI, B.S. (Delaware), Associate Scientist, Agronomy.
- MARK VAN GESSEL, Ph.D. (North Carolina State), Associate Professor: Weed science.
- BRUCE L. VASILAS, Ph.D. (Minnesota), Professor: Soil and crop management.
- TECKLEMARIAM WELDEKIDAN, M.S. (Delaware), Research Associate III, Plant Breeding.
- K. ERIC WOMMACK, Ph.D. (Maryland), Assistant Professor, Environmental Microbiology.

## JOINT AND ADJUNCT APPOINTMENTS

Bioresources Engineering: CARMINE C. BALASCIO.  
Entomology and Applied Ecology: JUDITH A. HOUGH-GOLDSTEIN.

## Plant And Soil Sciences

DONALD L. SPARKS, Ph.D. (Virginia Tech), S. Hallock du Pont Chair and Department Chairperson; also Professor, Civil and Environmental Engineering, Professor, Chemistry and Biochemistry, and Professor, Marine Studies: Soil and environmental chemistry.

Marine Studies: JOHN S. BOYER, GEORGE LUTHER, III  
 Adjunct Faculty: THEODORE H. CARSKI, MICHAEL J. DUFFY,  
 KATHERINE EVERTS, EDWARD JONES, JAY JULIS, J.  
 ANTONI RAFALSKI, HAJIME SAKAI, CASEY SCLAR,  
 QUINN ZHO.

## COLLEGE OF ARTS AND SCIENCE

### Office Of The Dean

MARK W. HUDDLESTON, Ph.D. (Wisconsin), Dean; also Professor,  
 Political Science and International Relations; also Professor, Urban  
 Affairs and Public Policy: Public Administration.  
 ANN L. ARDIS, Ph.D. (University of Virginia), Associate Dean; also  
 Professor: English.  
 GEORGE H. WATSON, Ph.D. (Delaware), Associate Dean; also Unidel  
 Professor: Physics and Astronomy.  
 HELEN EASTERLING WILLIAMS, Ed.D. (Delaware), Senior  
 Assistant Dean.  
 KATHLEEN A. BIEKER, M.A. (Central Michigan), Assistant Dean,  
 Parallel Program, Dover.  
 MARY CLEVELAND, Administrative Coordinator.  
 JOHN DEINER, Ph.D. (Rutgers), Interim Assistant Dean, Parallel  
 Program, Georgetown; also Associate Professor, Political Science and  
 International Relations.  
 JULIE DEMGEN, B.A. (University of Wisconsin-Superior), Assistant  
 to the Dean.  
 RICHARD DUGGAN, IT Manager.  
 PAUL A. PUSECKER, III, M.S. (Penn State), Executive Officer.  
 DEE SMITH, Budget Manager.

### Anthropology

KAREN R. ROSENBERG Ph.D. (Michigan), Associate Professor and  
 Chair.  
 KENNETH J. ACKERMAN, Ph.D. (Pennsylvania), Associate  
 Professor.  
 DONNA M. BUDANI, Ph.D. (American), Assistant Professor.  
 JAY F. CUSTER, Ph.D. (Catholic University of America), Professor.  
 LUANN DeCUNZO, Ph.D. (Pennsylvania), Associate Professor; also  
 Associate Professor, Winterthur Program in Early American Culture.  
 THOMAS R. ROCEK, Ph.D. (Michigan), Associate Professor.  
 PETER G. ROE, Ph.D. (Illinois), Professor.  
 NORMAN B. SCHWARTZ, Ph.D. (Pennsylvania), Professor.  
 JUAN A. VILLAMARIN, Ph.D. (Brandeis), Associate Professor.  
 PETER M. WEIL, Ph.D. (Oregon), Associate Professor.

### Art

VIRGINIA BRADLEY M.F.A. (South Florida), Professor and Chair:  
 Painting, Mixed Media.  
 MARTHA L. CAROTHERS, M.F.A. (Penn State), Professor: Visual  
 communications; also, Director, Center for Teaching Effectiveness.  
 BILL DEERING, Assistant Professor: Visual communications.  
 HENDRIK-JAN FRANCKE, B.A. (University of Delaware), Assistant  
 Professor: Visual communications.  
 LARRY W. HOLMES, M.F.A. (Cranbrook Academy of Fine Arts),  
 Professor: Painting.  
 VERA E. KAMINSKI, M.F.A. (Maryland Institute College of Art),  
 Associate Professor: 3D Design.  
 ROSEMARY LANE, M.F.A. (Oregon), Professor: Printmaking.  
 REN MARQUEZ, M.F.A. (University of Pennsylvania), Assistant  
 Professor: Drawing.  
 DAVID MEYER, M.F.A. (University of Delaware), Assistant Professor:  
 Sculpture.  
 RAYMOND D. NICHOLS, M.F.A. (Louisiana Tech), Professor: Visual  
 communications.  
 ROBYN PHILLIPS-PENDLETON, M.F.A. (Syracuse), Associate

Professor: Illustration.  
 PRISCILLA SMITH, M.F.A. (Illinois), Associate Professor:  
 Photography.  
 VICTOR SPINSKI, M.F.A. (Indiana), Professor: Ceramics.  
 ROBERT STRAIGHT, M.F.A. (Cranbrook Academy of Fine Arts),  
 Professor: Painting.  
 JOHN J. WEISS, M.F.A. (Rhode Island School of Design), Professor:  
 Photography.

### JOINT AND ADJUNCT APPOINTMENTS

Museum Studies: HILTON BROWN.  
 University Gallery: BELENA S. CHAPP.

### Art Conservation

DEBRA HESS NORRIS, M.S. (Delaware), Professor and Chair; also  
 Director of B.A. Program, Director of M.S. Program and Conservator  
 of Photographs: Photograph conservation treatment, collections care,  
 disaster response.  
 JOYCE HILL STONER, Ph.D. (Delaware and Certificate in  
 Conservation, New York University), Professor; also Paintings  
 Conservator: Paintings, conservation, history of conservation, artists'  
 techniques, Whistler, Wyeth.  
 RICHARD C. WOLBERS, M.F.A. (California, San Diego), M.S.  
 (Delaware), Associate Professor; also Science Coordinator, Paintings  
 Conservator: Paintings conservation.

### JOINT AND ADJUNCT APPOINTMENTS

Chemistry and Biochemistry: THOMAS BRILL,  
 Geography: THOMAS MEIERDING.  
 Geology: PETER LEAVENS.  
 Mechanical Engineering: IAN HALL.

Adjunct Faculty: MARK ANDERSON, MARK BOCKRATH,  
 JANICE CARLSON, BETTY FISKE, JOY GARDINER,  
 KATHLEEN KIEFER, EBENEZER KOTELI, JOHN KRILL,  
 GREGORY LANDREY, MARGARET LITTLE, JENNIFER  
 MASS, MICHAEL PODMANICZKY, BRUNO POULIOT, LOIS  
 PRICE, JIM SCHNECK, ROBERTA TARBELL.

### Art History

MICHAEL LEJA, Ph.D. (Harvard), Sewell C. Biggs Chair in American  
 Art and Chair: American art to 1900.  
 NINA ATHANASSOGLOU-KALLMYER, Ph.D. (Princeton),  
 Professor: Eighteenth and nineteenth century European art.  
 H. PERRY CHAPMAN, Ph.D. (Princeton), Professor: Baroque art,  
 especially seventeenth-century Dutch painting.  
 ANN E. GIBSON, Ph.D. (University of Delaware), Professor:  
 Contemporary and American art, African-American art.  
 BERNARD L. HERMAN, Ph.D. (Pennsylvania), Edward F. and  
 Elizabeth Goodman Rosenberg Professor; also Professor, History, and  
 Senior Policy Scientist, Urban Affairs and Public Policy; also Director,  
 Center for American Material Culture Studies: American vernacular  
 architecture and folk and ethnic art.  
 JENNIFER B. HINTLIAN, M.A. (Boston), Assistant Slide Librarian.  
 LAWRENCE P. NEES, JR., Ph.D. (Harvard), Professor: Medieval art.  
 LENIS H. NORTHMORE, M.L.S. (Simmons), Slide Librarian.  
 IKEM S. OKOYE, Ph.D. (M.I.T.), Assistant Professor: African art and  
 architecture.  
 LINDA PELLECCIA, Ph.D. (Harvard), Associate Professor; also  
 Associate Professor, Women's Studies: History of architecture,  
 Renaissance art.  
 LAUREN H. PETERSEN, Ph.D. (Texas), Assistant Professor: Ancient  
 art.  
 DAVID M. STONE, Ph.D. (Harvard), Associate Professor: Italian  
 Baroque art.  
 MARGARET WERTH, Ph.D. (Harvard), Assistant Professor:  
 Nineteenth and twentieth century European art.

RICHARD WITTMAN, Ph.D., (Columbia), Assistant Professor: History of architecture.

**JOINT AND ADJUNCT APPOINTMENTS**

Black American Studies: AMALIA AMAKI

Museum Studies: HILTON BROWN, CHANDRA REEDY, BRYANT F. TOLLES, JR.

**Biological Sciences**

DANIEL CARSON, Ph.D. (Temple), Trustees Distinguished Professor and Chair: Extracellular matrix structure and function.

DAVID C. USHER, Ph.D. (Iowa), Associate Professor and Associate Chair: Immunogenetics.

DEBORAH E. ALLEN, Ph.D. (Delaware), Associate Professor and Undergraduate Programs Director: Science education.

WILLIAM J. CAIN, Ph.D. (Delaware), Assistant Professor.

L. LEON CAMPBELL, Ph.D. (Texas), Hugh M. Morris Research Professor of Molecular Biosciences: Molecular biology, microbial phylogeny.

CARLTON R. COOPER, Ph.D. (Mississippi State University), Assistant Professor: Prostate cancer.

HOWARD V. CORNELL, Ph.D. (Cornell), Professor: Comparative ecology.

KIRK CZYMEK, Ph.D. (Michigan State), Laboratory Coordinator.

PATRICIA A. DeLEON, Ph.D. (Western Ontario), Professor: Human genetics.

LINDA K. DION, M.S. (Cornell), Instructor: Science education and pedagogy.

MELINDA DUNCAN, Ph.D. (Rutgers), Associate Professor: Vertebrate eye development.

MARY CYNTHIA FARACH-CARSON, Ph.D. (Virginia Commonwealth), Professor: Bone and cartilage matrix; cancer metastasis.

STEVEN J. FIFIELD, Ph.D. (Minnesota), Assistant Professor: Biology education, science studies.

DENI S. GALILEO, Ph.D. (Florida), Assistant Professor: Developmental neurobiology.

DIANE S. HERSON, Ph.D. (Rutgers), Associate Professor: Microbial physiology.

ROBERT C. HODSON, Ph.D. (Cornell), Associate Professor: Plant molecular genetics.

SEUNG MOOK HONG, Ph.D. (Delaware), Laboratory Coordinator.

NORMAN J. KARIN, Ph.D. (Tennessee), Associate Professor and Graduate Programs Director: Cell biology and cell physiology.

RONALD H. KARLSON, Ph.D. (Duke), Professor: Population and community ecology.

ROBERT B. KETCHAM, Ph.D. (Delaware), Laboratory Coordinator.

ERIC B. KMEC, Ph.D. (Florida), Professor: Molecular biology and genetics, gene therapy.

GARY H. LAVERTY, Ph.D. (Connecticut), Associate Professor: Renal physiology.

JOHN McDONALD, Ph.D. (SUNY, Stony Brook), Associate Professor: Evolutionary genetics.

GEORGE R. MOLLOY, Ph.D. (Virginia Tech), Associate Professor: Cell and molecular biology.

ULHAS NAIK, Ph.D. (University of Bombay), Assistant Professor: Cell adhesion and signaling.

JANE NOBLE-HARVEY, Ph.D. (California, San Francisco), Associate Professor: Infectious diseases, human cancer, and cell biology.

ERICA SELVA, Ph.D. (Univ. Massachusetts Med. Sch.), Assistant Professor: Genetic and molecular control of signal transduction during *Drosophila* development.

FLORENCE I. SCHMIEG, Ph.D. (Delaware), Assistant Professor; also Acting Director, Medical Scholars Program: Molecular biology, cancer mechanisms, science education.

DAVID E. SHEPPARD, Ph.D. (Johns Hopkins), Associate Professor:

Microbial genetics.

ROBERT SIKES, Ph.D. (University of Texas), Assistant Professor: Prostate cancer.

DANIEL T. SIMMONS, Ph.D. (Cal. Tech.), Professor: Virology, molecular biology.

RIVERS SINGLETON, JR., Ph.D. (Kansas), Associate Professor; also Associate Professor, English: Microbial physiology and biochemistry, history of biochemistry.

STEVEN D. SKOPIK, Ph.D. (Princeton), Professor: Comparative physiology.

DAVID W. SMITH, Ph.D. (Wisconsin), Associate Professor: Microbial ecology.

GREGORY A. STEPHENS, Ph.D. (Kansas), Associate Professor: Cardiovascular regulation, renin-angiotensin-aldosterone system.

MALCOLM H. TAYLOR, Ph.D. (Johns Hopkins), Associate Professor; also Associate Professor, College of Marine Studies.

ROGER C. WAGNER, Ph.D. (Minnesota), Professor; also Coordinator, Medical Scholars Program: Cell biology.

PATRICIA WALSH, Ph.D. (Minnesota), Assistant Professor.

**JOINT APPOINTMENTS**

Animal and Food Sciences: ROBIN W. MORGAN, JOAN BURNSIDE, CALVIN KEELER, CARL SCHMIDT.

Chemistry & Biochemistry: HAROLD WHITE, III.

Entomology and Applied Ecology: DOUGLAS W. TALLAMY.

Marine Studies: NANCY TARGETT.

Math & Science Edu. Res. Ctr.: RICHARD DONHAM.

Medical Technology: MARY ANN MCLANE, MARY BETH MIELE.

Plant and Soil Sciences: ALLEN SHAPIRO, JANINE SHERRIER.

University Parallel Program: LAWRENCE A. CURTIS, JOHN BARTLEY, SHARON S. TUCKER.

**Black American Studies**

HOWARD B. JOHNSON, Ph.D. (Oxford), Professor and Acting Director; also Professor, History.

AMALIA AMAKI, Ph.D. (Emory), Curator of the Paul R. Jones Collection.

JAMES E. NEWTON, Ed.D. (Illinois), Professor and Senior Fellow, Center for Community Development and Family Policy.

**Chemistry And Biochemistry**

CHARLES G. RIORDAN, Ph.D. (Texas A&M), Professor and Chair: Inorganic chemistry.

JOHN L. BURMEISTER, Ph.D. (Northwestern), Alumni Distinguished Professor and Associate Chair for Undergraduate Studies: Inorganic chemistry.

EUGENE G. MUELLER, Ph.D. (Harvard), Associate Professor and Assistant Chair for Graduate Studies: Inorganic chemistry.

ROBERT D. BACH, Ph.D. (M.I.T.), Research Professor: Organic chemistry.

BRIAN J. BAHNSON, Ph.D. (Brown), Assistant Professor: Biochemistry.

SHI BAL, Ph.D. (Utah), NMR Spectroscopist: Analytical chemistry.

THOMAS P. BEEBE, JR., Ph.D. (Pittsburgh), Professor: Analytical chemistry.

THOMAS B. BRILL, Ph.D. (Minnesota), Professor: Inorganic chemistry.

STEVEN D. BROWN, Ph.D. (Washington), Willis F. Harrington Professor: Analytical chemistry.

JOHN E. BULKOWSKI, Ph.D. (Carnegie-Mellon), Associate Professor: Inorganic chemistry.

DANA S. CHATELLIER, M.A. (Delaware), Education Specialist.

JUNGHUEI CHEN, Ph.D. (New York), Associate Professor: Biochemistry.

ROBERTA F. COLMAN, Ph.D. (Harvard), Willis F. Harrington Professor: Biochemistry.



DOUGLAS J. DOREN, Ph.D. (Harvard), Professor: Physical chemistry.  
 YONG DUAN, Ph.D. (Pittsburgh), Assistant Professor: Physical chemistry.  
 CECIL R. DYBOWSKI, Ph.D. (Texas), Professor: Physical chemistry.  
 JOHN L. DYKINS, B.S. (Salford, UK), Mass Spectrometrist: Analytical chemistry.  
 DENNIS H. EVANS, Ph.D. (Harvard), Professor: Analytical chemistry.  
 JOSEPH FOX, Ph.D. (Columbia), Assistant Professor: Organic chemistry.  
 SUSAN E. GROH, Ph.D. (Stanford), Assistant Professor: Inorganic chemistry.  
 MAHENDRA K. JAIN, Ph.D. (Weizmann Institute, Israel), Professor: Biochemistry.  
 MURRAY V. JOHNSTON, Ph.D. (Wisconsin-Madison), Professor: Analytical chemistry.  
 JOHN T. KOH, Ph.D. (Columbia), Associate Professor: Organic chemistry.  
 BURNABY MUNSON, Ph.D. (Texas), Professor: Analytical chemistry.  
 SHARON NEAL, Ph.D. (Emory University), Associate Professor: Analytical chemistry.  
 DOUGLAS P. RIDGE, Ph.D. (Harvard), Professor: Physical chemistry.  
 CLIFFORD R. ROBINSON, Ph.D. (Illinois), Assistant Professor: Biochemistry.  
 KATHRYN CLARE SCANTLEBURY, Ph.D. (Purdue), Associate Professor; also Associate Professor, Education; also Secondary Education Coordinator: Chemical education, science.  
 JOEL P. SCHNEIDER, Ph.D. (Texas A&M), Assistant Professor: Organic chemistry.  
 DOUGLASS F. TABER, Ph.D. (Columbia), Professor: Organic chemistry.  
 ANDREW V. TEPLYAKOV, Ph.D. (Columbia), Assistant Professor: Physical chemistry.  
 KLAUS H. THEOPOLD, Ph.D., (California, Berkeley), Professor: Inorganic chemistry.  
 COLIN THORPE, Ph.D. (University of Kent, Canterbury), Professor: Biochemistry.  
 HAROLD B. WHITE III, Ph.D. (Brandeis), Professor: Biochemistry.  
 JAMES A. WINGRAVE, Ph.D. (Texas), Assistant Professor: Analytical chemistry.  
 MARY J. WIRTH, Ph.D. (Purdue), C. Eugene Bennett Professor: Analytical chemistry.  
 NEAL J. ZONDLO, Ph.D. (Yale), Assistant Professor: Organic chemistry.

#### **JOINT AND ADJUNCT APPOINTMENTS**

Animal and Food Science: ROBIN W. MORGAN.  
 Biological Sciences: DANIEL T. SIMMONS.  
 Chemical Engineering: MARK A. BARTEAU, STANLEY I. SANDLER.  
 Marine Studies: THOMAS M. CHURCH, GEORGE W. LUTHER, III.  
 Physics and Astronomy: KRZYSZTOF SZALEWICZ.  
 Plant and Soil Sciences: PAMELA J. GREEN, DONALD L. SPARKS.  
 Adjunct Faculty: STEPHEN L. BRENNER, JACQUES P. FRAISSARD, ALBERT MATLACK.

#### **Cognitive Science**

BRIAN P. ACKERMAN, Ph.D. (SUNY), Professor, Psychology; also Professor, Linguistics: Developmental risk and family ethnotheory.  
 FREDERICK ADAMS, Ph.D. (Wisconsin), Professor and Chair, Philosophy: Epistemology, intentional action, belief ascription.  
 BENJAMIN BRUENING, Ph.D. (M.I.T.), Assistant Professor, Linguistics: Syntax, psycholinguistics, Native American languages.  
 SANDRA CARBERRY, Ph.D. (Delaware), Professor and Chair, Computer and Information Sciences; also Professor, Linguistics: Artificial intelligence, natural language processing.

JOHN CASE, Ph.D. (Illinois), Professor, Computer and Information Sciences: Computational learning theory, recursive function theory.  
 DANIEL CHESTER, Ph.D. (California, Berkeley), Associate Professor, Computer and Information Sciences; also Associate Professor, Linguistics: Artificial intelligence, natural language processing.  
 PETER COLE, Ph.D. (Illinois), Professor, Linguistics: Syntax, semantics, Quecha, Hebrew, Chinese.  
 RALPH FERRETTI, Ph.D. (Alabama), Professor, Education; also Professor, Psychology: Argument and ill-defined problems.  
 ROBERTA GOLINKOFF, Ph.D. (Cornell), H. Rodney Sharp Professor, Education; H. Rodney Sharp Professor, Linguistics; and H. Rodney Sharp Professor, Psychology: Language acquisition and cognitive development.  
 GABRIELLA HERMON, Ph.D. (Illinois), Associate Professor, Education; also Associate Professor, Linguistics: Syntax, language acquisition, bilingualism.  
 JAMES HIEBERT, Ph.D. (Wisconsin), H. Rodney Sharp Professor, Education: Mathematics learning and teaching.  
 JAMES HOFFMAN, Ph.D. (Illinois), Professor, Psychology: Visual attention, event-related brain potentials, human factors.  
 WILLIAM IDSARDI, Ph.D. (M.I.T.), Associate Professor, Linguistics; also Chair, Linguistics: Phonology, phonetics, morphology.  
 HELENE INTRAUB, Ph.D. (Brandeis), Professor, Psychology: Scene perception, visuo-spatial memory, pictorial representation.  
 FREDERICK MASTERSON, Ph.D. (Princeton), Professor, Psychology: Animal learning, artificial intelligence, mathematical psychology.  
 KATHLEEN MCCOY, Ph.D. (Pennsylvania), Associate Professor, Linguistics; also Director, Center for Applied Science and Engineering in Rehabilitation: Artificial intelligence, natural language processing; also Associate Professor, Computer and Information Sciences.  
 JOHN MCCLAUGHLIN, Ph.D. (New York University), Associate Professor, Psychology: Aesthetics, perception, memory.  
 FRANK MURRAY, Ph.D. (Johns Hopkins), H. Rodney Sharp Professor, Education; also H. Rodney Sharp Professor, Psychology: Children's cognitive development, educational policy.  
 DAVID NORTHMORE, Ph.D. (Sussex, England), Professor, Psychology: Neurophysiology of vision and visual development.  
 JOEL PUST, Ph.D. (Arizona), Assistant Professor, Psychology: Philosophy of mind, epistemology.  
 EVELYN SATINOFF, Ph.D. (Pennsylvania), Professor, Psychology: Neural integration of sleep, circadian rhythms, thermoregulation.  
 NANCY SCHWEDA-NICHOLSON, Ph.D. (Georgetown), Professor, Linguistics: Interpretation, bilingualism, French.  
 SATOSHI TOMIOKA, Ph.D. (Massachusetts), Assistant Professor, Linguistics: Semantics, syntax, East Asian languages.  
 RICHARD VENEZKY, Ph.D. (Stanford), Unidel Professor, Education; also Unidel Professor, Computer and Information Sciences and Unidel Professor, Linguistics: Writing systems, natural language processing, literacy.  
 VIJAY K. SHANKER, Ph.D. (Pennsylvania), Associate Professor, Linguistics: Artificial intelligence, natural language processing; also, Associate Professor, Computer and Information Sciences.  
 IRENE VOGEL, Ph.D. (Stanford), Associate Professor, Linguistics: Phonology, morphology.  
 JOHN WHALEN, Ph.D. (Johns Hopkins), Assistant Professor, Psychology: Numerical cognition, neuroscientific approaches to cognition.

#### **JOINT AND ADJUNCT APPOINTMENTS**

Applied Science and Engineering Laboratory: H. TIMOTHY BUNNELL, BETH A. MINEO.

## Communication

- ELIZABETH M. PERSE, Ph.D. (Kent State), Professor and Acting Chair: Uses and effects of mass media, interface of personal and mediated communication.
- RALPH BEGLEITER, M.A. (Columbia), Distinguished Journalist in Residence; also Distinguished Journalist in Residence, English and Political Science and International Relations.
- XIAOMEI CAI, Ph.D. (Indiana), Assistant Professor: Mass communication, media effects, media message analysis.
- SCOTT E. CAPLAN, Ph.D. (Purdue), Assistant Professor: Interpersonal communication and quantitative research methodology.
- JOHN A. COURTRIGHT, Ph.D. (Iowa), Professor; also Director of Undergraduate Studies; also Director of University Honors Program; Interpersonal communication, statistics and research methodology, multi-media presentation technology.
- JULIET L. DEE, Ph.D. (Temple), Associate Professor: Mass communication, mass media law; also Associate Professor, Legal Studies.
- BETTY J. HASLETT, Ph.D. (Minnesota), Professor; also Professor, Psychology and Director, Women's Studies: Conversational analysis, psychology and sociology of language, communication theory, organizational culture.
- R. LANCE HOLBERT, Ph.D. (Wisconsin — Madison), Assistant Professor, Mass communication, political communication, media effects, structural equation modeling.
- JENNIFER L. LAMBE, Ph.D. (Minnesota), Assistant Professor: Mass communication, television production, communication law and ethics.
- STEVEN T. MORTENSON, Ph.D. (Georgia Southern University), Assistant Professor: Interpersonal communication, Intercultural Communication, Organizational Communication, Research Methods.
- CHARLES PAVITT, Ph.D. (Wisconsin), Professor: Communication theory, interpersonal and small group communication, language.
- NANCY SIGNORIELLI, Ph.D. (Pennsylvania), Professor: Mass communication, media effects, media and children, television and conceptions of social reality.
- ROBIN VAGENAS, M.A. (Delaware), Instructor: Oral communication, multi-media presentation.
- PHILLIP WESCOTT, M.A. (Indiana University), Instructor: Public Relations.

## ADJUNCT APPOINTMENT

Student Life: CHARLES L. TARVER

## Comparative Literature

- JUDY P. McINNIS, Ph.D. (North Carolina), Professor and Coordinator; also Professor, Foreign Languages and Literatures.
- ANNY D. CURTIUS, Ph.D. (Montreal), Assistant Professor; also Assistant Professor, Foreign Languages and Literatures.
- NICOLAS P. GROSS, Ph.D. (North Carolina), Associate Professor; also Associate Professor, Foreign Languages and Literatures.
- ELLEN I. PIFER, Ph.D., (California, Berkeley), Professor; also Professor, English.
- DEBORAH B. STEINBERGER, Ph.D. (New York), Assistant Professor; also Assistant Professor, Foreign Languages and Literatures.
- ALFRED R. WEDEL, Ph.D. (Pennsylvania), Professor; also Professor, Linguistics, and Professor, Foreign Languages and Literatures.

## Computer and Information Sciences

- M. SANDRA CARBERRY, Ph.D. (Delaware), Professor and Chair; also Professor, Linguistics: Artificial intelligence, natural language understanding and generation, intelligent interfaces, user modeling.
- RICHARD A. ALBRIGHT, Ph.D. (Delaware), Associate to the Chair.
- PAUL D. AMER, Ph.D. (Ohio State), Professor; also Professor, Electrical and Computer Engineering: Computer networks, performance measurement, innovative transport layer services and

protocols.

- JOHN CASE, Ph.D. (Illinois), Professor: Computational learning theory, computability theory, machine learning, lattice computers.
- B.F. CAVINESS, Ph.D. (Carnegie-Mellon), Professor; also Professor, Mathematical Sciences: Computer algebra, analysis of algorithms.
- DANIEL L. CHESTER, Ph.D. (California, Berkeley), Associate Professor; also Associate Professor, Linguistics: Artificial intelligence, natural language processing, theorem proving, knowledge representation.
- KEITH S. DECKER, Ph.D. (Massachusetts), Associate Professor: Distributed and real-time problem solving, multi-agent systems, computational organization design, concurrent engineering, parallel and distributed planning and scheduling, distributed information gathering.
- CHANDRA KAMBHAMETTU, Ph.D. (South Florida), Associate Professor: Computer vision, image processing, computer graphics and multimedia.
- LI LIAO, Ph.D. (Peking), Assistant Professor: Bioinformatics, statistical inference, machine learning, artificial intelligence.
- ERROL L. LLOYD, Ph.D. (M.I.T.), Professor: Design and analysis of algorithms.
- KATHLEEN F. McCOY, Ph.D. (Pennsylvania), Professor; also Professor, Linguistics: Artificial intelligence, natural-language generation and understanding, knowledge representation.
- LORI L. POLLOCK, Ph.D. (Pittsburgh), Associate Professor: Compiler construction, code optimization, software development tools, parallel computing, software testing.
- CHRISTOPHER E. RASMUSSEN, Ph.D. (Yale), Assistant Professor: Computer vision, mobile robotics, artificial intelligence.
- B. DAVID SAUNDERS, Ph.D. (Wisconsin), Professor; also Professor, Mathematical Sciences: Computer algebra, analysis of algorithms, parallel computation.
- TUNCAY SAYDAM, Ph.D. (Istanbul Technical University), Professor: Performance evaluation, computer communication networks, discrete system simulation.
- ADARSHPAL S. SETHI, Ph.D. (Indian Institute of Technology, Kanpur), Professor: Computer networks, network management and control, congestion control, real-time protocols, distributed systems, performance modeling.
- CHIEN-CHUNG SHEN, Ph.D. (UCLA), Assistant Professor: Network control and management, distributed object computing, distributed simulation.
- VIJAY K. SHANKER, Ph.D. (Pennsylvania), Associate Professor: Artificial intelligence, natural language processing, unification-based grammatical systems, knowledge-representation languages.
- DAVID H. WOOD, Ph.D. (Rhode Island), Research Associate Professor: Computer algebra, analysis of algorithms.
- JOINT AND ADJUNCT APPOINTMENTS**
- Center for Applied Science and Engineering: H. TIMOTHY BUNNELL.
- Education: RICHARD L. VENEZKY.
- Electrical and Computer Engineering: CHARLES BONCELET, GUANG GAO, DAVID L. MILLS.
- Mathematical Sciences: ROBERT P. GILBERT.
- Adjunct Faculty: JOHN K. SCOGGIN, JR.

## English

- JERRY C. BEASLEY, Ph.D. (Northwestern), Professor and Chair: Novel, eighteenth century literature.
- DEBORAH ANDREWS, M.A. (Wyoming), Professor: Business and Technical Communications.
- ANN L. ARDIS, Ph.D. (Virginia), Professor; also Associate Dean of the College of Arts and Science for Arts and Humanities: Theory, modern literature.

JOAN BENNETT, Ph.D. (Stanford), Professor; also Coordinator of Undergraduate Research Program: Milton.

ROBERT B. BENNETT, Ph.D. (Stanford), Professor: Renaissance literature.

STEPHEN A. BERNHARDT, Ph.D. (Michigan), Andrew B. Kirkpatrick, Jr., Chair in Writing.

D. HEYWARD BROCK, Ph.D. (Kansas), Professor: Renaissance literature.

R. JOHN BROCKMANN, D.A. (Michigan), Professor: Business and Technical Communications.

FLEDA BROWN, Ph.D. (Arkansas), Professor: Creative writing (Poetry) and English education.

MARTIN BRUECKNER, Ph.D. (Brandeis), Assistant Professor: Colonial American literature.

MICHAEL A. COTSELL, Ph.D. (Birmingham), Associate Professor: Victorian literature, Twentieth-Century Drama.

RICHARD A. DAVISON, Ph.D. (Wisconsin), Professor: American literature.

CARL DAWSON, Ph.D. (Columbia), Professor: Nineteenth century literature, autobiography.

JAMES M. DEAN, Ph.D. (Johns Hopkins), Professor: Medieval literature.

JOAN DelfATTORE, Ph.D. (Penn State), Professor: Literature and pedagogy; also Professor, Legal Studies.

PETER FENG, Ph.D. (Iowa), Associate Professor: Asian-American film, Multicultural Studies.

PHILIP D. FLYNN, Ph.D. (Maryland), Professor: Romantic literature.

BARBARA T. GATES, Ph.D. (Bryn Mawr), Alumni Distinguished Professor: Victorian literature.

SUSAN GOODMAN, Ph.D. (New Hampshire), Professor: American literature and English education.

MARCIA PEOPLES HALIO, M.A. (Delaware), Assistant Professor: Composition.

STEVEN HELMLING, Ph.D. (Rutgers), Professor: Modern literature.

CAROL HENDERSON, Ph.D. (California, Riverside), Associate Professor: African-American literature.

M. DENNIS JACKSON, Ph.D. (Arkansas), Professor: Journalism, Modern literature.

JOHN F. JEBB, Ph.D. (Delaware), Assistant Professor, also Assistant Director of Writing for Writing Programs: Composition.

McKAY JENKINS, Ph.D. (Princeton), Associate Professor: Journalism, African-American literature, literature of the land.

BERNARD L. KAPLAN, M.F.A. (Iowa), Associate Professor: Creative writing (fiction).

HEIDI KAUFMAN (New Hampshire), Assistant Professor: Victorian literature.

GILDA KELSEY, M.A. (Delaware), Instructor; also Assistant Director, University Writing Center: Composition.

KEVIN J. KERRANE, Ph.D. (North Carolina), Professor: Drama, literary criticism.

MATTHEW KINSERVIK, Ph.D. (Pennsylvania State), Associate Professor: Eighteenth century British literature.

THOMAS LEITCH, Ph.D. (Yale), Professor: Film Studies, Literary Theory.

J.A. LEO LEMAY, Ph.D. (Pennsylvania), Winterthur Professor: American literature.

DONALD C. MELL, Ph.D. (Pennsylvania), Professor: Eighteenth-century British literature.

GEORGE MILLER, Ph.D. (Connecticut), Professor: Seventeenth century literature, bibliography.

CLYDE A. MONEYHUN, Ph.D. (Arizona), Assistant Professor; also Director of Writing: Rhetoric and composition.

MARILYN NELSON, Ph.D. (Minnesota), Professor: Poetry, African-American Literature.

THOMAS H. PAULY, Ph.D. (California, Berkeley), Professor and Associate Chair: American literature.

JEANNE PFAELZER, Ph.D. (University of London), Professor: Nineteenth century American studies, American feminist writing, feminist theory.

ELLEN I. PIFER, Ph.D. (California, Berkeley), Professor and Director of Graduate Studies in English; also, Professor, Comparative Literature: Modern literature, novel.

KRISTEN E. POOLE, Ph.D. (Harvard), Associate Professor: Renaissance literature.

LOIS D. POTTER, Ph.D. (Girton College at Cambridge), Ned B. Allen Professor: Renaissance literature.

ALVINA E. QUINTANA, Ph.D. (California, Santa Cruz), Associate Professor: Multicultural studies, women's literature.

MARY P. RICHARDS, Ph.D. (Wisconsin), Professor: Anglo Saxon and medieval literature.

CHARLES E. ROBINSON, Ph.D. (Temple), Professor: Romantic literature.

HARRIS E. ROSS, Ph.D. (Arkansas), Associate Professor: Journalism, film.

GIBBONS RUARK, M.A. (Massachusetts), Professor: Creative writing (poetry).

ELAINE B. SAFER, Ph.D. (Case-Western), Professor: Seventeenth-century literature, Jewish Studies, the novel.

A. TIMOTHY SPAULDING, Ph.D. (North Carolina), Assistant Professor: African-American literature.

CRUCE STARK, Ph.D. (Harvard), Professor: American literature, Creative writing (fiction).

JEANNE MURRAY WALKER, Ph.D. (Pennsylvania), Professor: Creative writing (poetry, scriptwriting), children's literature.

REBECCA WORLEY, M.A. (Delaware), Assistant Professor: Business and Technical Communications.

BEN YAGODA, M.A. (Pennsylvania), Professor: Journalism, non-fiction writing, twentieth century American literature and culture.

JULIAN D. YATES, Ph.D. (UCLA), Associate Professor: Renaissance literature.

**SECONDARY APPOINTMENTS**

Biological Sciences: RIVERS SINGLETON.

Communication: RALPH BEGLEITER.

Adjunct Faculty:

Romanticism: DONALD C. REIMAN

Victorian Literature and Cultural: STANLEY WEINTRAUB

### Foreign Languages And Literatures

RICHARD A. ZIPSER, Ph.D. (Johns Hopkins), Professor and Chair: German.

ALI ALALOU, Ph.D. (California, Davis), Assistant Professor: French.

SUSAN A. AMERT, Ph.D. (Yale), Associate Professor: Russian.

RUTH J. BELL, M.A. (Marquette), Instructor: Spanish.

MARION BERNARD-AMOS, M.A. (Harvard), Instructor.

PERSEPHONE BRAHAM, Ph.D. (Pennsylvania), Assistant Professor: Spanish.

JOAN L. BROWN, Ph.D. (Pennsylvania), Elias Ahuja Professor: Spanish.

HANS-JOERG BUSCH, Ph.D. (Leipzig), Assistant Professor: Spanish.

IRIS BUSCH, Ph.D. (Leipzig), Assistant Professor: German and Spanish.

ALICE K. CATALDI, M.A. (Connecticut), Instructor: French.

JUDY A. CELLI, M.A. (Delaware), Instructor: French.

JIANGUO CHEN, Ph.D. (University of California, Davis), Assistant Professor: Chinese.

DONNA COULET DU GARD, M.A. (Delaware), Instructor: French.

JORGE H. CUBILLOS, Ph.D. (Penn State), Associate Professor: Spanish.

ANNY D. CURTIUS, Ph.D. (Montreal), Assistant Professor: French and comparative literature.  
JAMES DeJONG, M.A. (Delaware), Instructor: Spanish.

MARY P. DONALDSON-EVANS, Ph.D. (Pennsylvania), Elias Ahuja Professor: French.

R. GARY FERGUSON, Ph.D. (Durham, England), Professor: French.  
GABRIELLA FINIZIO, D.M.L. (Middlebury), Assistant Professor: Italian.

CARMEN FINNICUM, M.A. (Delaware), Instructor: Spanish.  
ANNETTE L. GIESECKE, Ph.D. (Harvard), Associate Professor: Classics.

LEE T. GLEN, Ph.D. (Pennsylvania), Assistant Professor: Spanish.  
NICOLAS P. GROSS, Ph.D. (North Carolina), Associate Professor: Classics and comparative literature.

CRISTINA GUARDIOILA, Ph.D. (California, Berkeley), Assistant Professor: Spanish.

LYSETTE F. HALL, M.A. (Paris XII), Instructor: French.  
GLADYS M. ILARREGUI, Ph.D. (Catholic University), Assistant Professor: Spanish.

CRISTA J. JOHNSON, M.A. (Delaware), Instructor: Spanish.  
THOMAS A. LATHROP, Ph.D. (California, Los Angeles), Professor: Spanish.

ALEXANDER LEHRMAN, Ph.D. (Yale), Associate Professor: Russian.

LAWRENCE E. MARCEAU, Ph.D. (Harvard), Associate Professor: Japanese.

VINCENT T. MARTIN, Ph.D. (New York), Assistant Professor: Spanish.

AMERICA MARTINEZ, Ph.D. (Illinois, Urbana-Champaign), Assistant Professor: Spanish.

THOMAS V. McCONE, Ph.D. (Delaware), Director, Media Center and Assistant Professor: Spanish.

JUDY B. McINNIS, Ph.D. (North Carolina), Professor; also Coordinator, Comparative Literature: Spanish and comparative literature.

SUSAN M. McKENNA, Ph.D. (Indiana), Assistant Professor: Spanish.  
STACEY L. MILKOVICS, M.A. (Colorado State), Instructor: Spanish.  
MARK MILLER, Ph.D. (Delaware), Assistant Professor: Japanese.

KRYSTYNA P. MUSIK, M.A. (Houston) and M.A. (Delaware), Instructor: Spanish.

NANCY NOBILE, Ph.D. (Johns Hopkins), Associate Professor: German.

FLORA M. POINDEXTER, M.A. (Delaware), Instructor: French.  
WILLY RIEMER, Ph.D. (Yale), Associate Professor: German.

BONNIE A. ROBB, Ph.D. (Bryn Mawr), Associate Professor: French.  
EUNHEE C. ROTH, M.A. (Nagoya), Instructor: Japanese.

RICCARDA SAGGESE, Ph.D. (Johns Hopkins), Assistant Professor: Italian.

LAURA A. SALSINI, Ph.D. (Indiana), Associate Professor: Italian.

CYNTHIA SCHMIDT-CRUZ, Ph.D. (Wisconsin), Associate Professor: Spanish; Director, Latin American Studies Program.

ALEXANDER R. SELIMOV, Ph.D. (Pennsylvania), Associate Professor: Spanish.

MONIKA SHAFI, Ph.D. (Maryland), Elias Ahuja Professor: German.  
DEBORAH B. STEINBERGER, Ph.D. (New York), Associate Professor: French and comparative literature.

BRUNO THIBAUT, Ph.D. (Paris X) and Ph.D. (Maryland), Professor: French.

ELIZABETH K. THIBAUT, M.A. (Maryland), Instructor: German.  
SUZANNE TIERNEY-GULA, M.A. (Delaware), Instructor: Spanish.

BARBARA L. TOCCAFONDI, M.A. (Middlebury), Instructor: French.  
AMALIA C. VEITIA, M.A. (Delaware), Instructor: Spanish.

BARBARA B. WARE, Ph.D. (Temple), Assistant Professor: Spanish.  
ALFRED R. WEDEL, Ph.D. (Pennsylvania), Professor: German and Spanish.

## Geography

DANIEL J. LEATHERS, Ph.D. (Penn State), Professor and Chair: Global climate variations, snow fall and snow cover, atmospheric dynamics.

BRIAN HANSON, Ph.D. (Minnesota), Associate Professor; Associate Chair and Director Environmental Science Program: Climate dynamics, glaciology, numerical modeling.

EDMUNDS V. BUNKSE, Ph.D. (California, Berkeley), Associate Professor: Cultural geography, history of ideas, urban-cultural geography, Baltic Sea region.

TRACY L. DeLIBERTY, Ph.D. (Oklahoma), Associate Professor: Geographical information systems, climatology, remote sensing.

DAVID R. LEGATES, Ph.D. (Delaware), Associate Professor and Director Center for Climatic research: Hydroclimatology, precipitation and climate change, computational methods.

THOMAS C. MEIERDING, Ph.D. (Colorado), Associate Professor: Climatic geomorphology, cartography, air photo interpretation.

FREDERICK E. NELSON, Ph.D. (Michigan), Professor: Permafrost, periglacial and climatic geomorphology, topoclimatology, Quaternary pealocology.

PETER W. REES, Ph.D. (California, Berkeley), Associate Professor: Urban geography historical-economic geography, Latin America, geographic education.

YDA SCHREUDER, Ph.D. (Wisconsin), Associate Professor; also Associate Professor, Urban Affairs and Public Policy: Historical, urban and economic geography, sustainable development.

APRIL R. VENESS, Ph.D. (Minnesota), Associate Professor; also Associate Professor, Urban Affairs and Public Policy: Urban/social, geography, minority problems and places, geographic thought.

CORT J. WILLMOTT, Ph.D. (California, Los Angeles), Professor; also Professor, College of Marine Studies: Climatology, quantitative methods.

## JOINT AND ADJUNCT APPOINTMENTS

Food and Resource Economics: JOHN E.A. MACKENZIE.

Marine Studies: VICTOR V. KLEMAS.

Urban Affairs and Public Policy: DAVID L. AMES.

Adjunct Faculty: WILLIAM J. COHEN.

## Geology

JAMES E. PIZZUTO, Ph.D. (Minnesota), Professor and Chair: Geomorphology.

BILLY P. GLASS, Ph.D. (Columbia), Professor; also Professor, College of Marine Studies: Marine geology, impact ejecta, paleomagnetism.

PETER B. LEAVENS, Ph.D. (Harvard), Professor: Crystal structure analysis, systematic mineralogy, metacarbonates.

JOHN A. MADSEN, Ph.D. (Rhode Island), Associate Professor; also Associate Professor, College of Marine Studies: Marine geophysics, marine tectonics, environmental geophysics.

RONALD E. MARTIN, Ph.D. (California, Berkeley), Professor; also Associate Professor, College of Marine Studies: Biostratigraphy, micropaleontology, paleoceanography, taphonomy, evolution and earth history.

SUSAN McGEARY, Ph.D. (Stanford), Associate Professor; also Associate Professor, College of Marine Studies: Continental lithospheric structure, seismic investigations of continental margins, environmental geophysics.

ALLAN M. THOMPSON, Ph.D. (Brown), Associate Professor: Petrology, structural geology, sedimentology and paleoenvironmental analysis, tectonics.

JOHN F. WEHMILLER, Ph.D. (Columbia), Professor; also Professor, College of Marine Studies: Organic geochemistry, Quaternary geochronology, coastal plain Quaternary stratigraphy.

## JOINT AND ADJUNCT APPOINTMENTS

Delaware Geological Survey: RICHARD N. BENSON.

University of Delaware College of Marine Studies: KATHARINA

BILLUPS, CHRISTOPHER K. SOMMERFIELD, WILLIAM J. ULLMAN

Adjunct Faculty: DAVID E. KRANTZ, JOHN D. WIK.

## History

CAROLE HABER, Ph.D. (Pennsylvania), Professor and Chair: U.S. history, social history, aging and medicine.

GUY ALCHON, Ph.D. (Iowa), Associate Professor: Twentieth century U.S., political economy.

ERICA R. ARMSTRONG, Ph.D. (Columbia), Assistant Professor: African-American history, women's history, nineteenth century U.S. history.

SUZANNE AUSTIN ALCHON, Ph.D. (Duke), Professor: Latin American history.

JOHN A. BERNSTEIN, Ph.D. (Harvard), Professor: European intellectual history.

ANNE M. BOYLAN, Ph.D. (Wisconsin), Professor: U.S. social history, history of women.

JAMES M. BROPHY, Ph.D. (Indiana), Associate Professor: German history, European social and political history.

DANIEL F. CALLAHAN, Ph.D. (Wisconsin), Professor: Medieval Europe.

JESUS CRUZ, Ph.D. (California, San Diego), Associate Professor; also Undergraduate Chair of History: Iberian history, European social history.

JAMES C. CURTIS, Ph.D. (Northwestern), Professor and Director, Winterthur Program in Early American Culture: Material culture, visual history, documentary photography.

LAWRENCE G.J. DUGGAN, Ph.D. (Harvard), Professor: Renaissance and Reformation, medieval church.

GERALD FIGAL, Ph.D. (Chicago), Associate Professor: Japanese history, East Asian civilizations.

J. RITCHIE GARRISON, Ph.D. (Pennsylvania), Associate Professor; also Associate Director, Museum Studies: eighteenth and nineteenth century U.S. history and material culture.

CHRISTINE L. HEYRMAN, Ph.D. (Yale), Distinguished Professor of History; also Graduate Co-Chair of History: American Colonial history, history of American religion.

JOHN J. HURT, Ph.D. (North Carolina), Professor: Seventeenth and eighteenth century France.

BARRY JOYCE, Ph.D. (California, Riverside), Assistant Professor; also Coordinator, Social Studies Teacher Education Program: Ethnic studies, the west, Native Americans.

PETER R. KOLCHIN, Ph.D. (Johns Hopkins), Henry Clay Reed Professor: Nineteenth-century U.S. history, Southern history, slavery.

WUNYABARI MALOBA, O.P.W., Ph.D. (Stanford), Associate Professor: African history.

CATHY MATSON, Ph.D. (Columbia), Professor: American Colonial history, American economic and intellectual history to 1800.

RUDI MATTHEE, Ph.D. (California, Los Angeles), Associate Professor: Middle Eastern history, Iran.

GARY MAY, Ph.D. (California, Los Angeles), Professor; also Director, Master of Arts in Liberal Studies Program: U.S. diplomatic relations, America since 1945.

MARK W. McLEOD, Ph.D. (California, Los Angeles), Associate Professor: World history, Modern East and Southeast Asia, Vietnam and revolutionary movement.

ARWEN MOHUN, Ph.D. (Case Western), Associate Professor; also Coordinator, University of Delaware — Hagley Program: History of technology, American industrialization, gender and work.

JOHN PATRICK MONTANO, Ph.D. (Harvard), Associate Professor: Tudor-Stuart England, early English politics, sixteenth and seventeenth England and Ireland.

DAVID PONG, Ph.D. (London), Professor; also Coordinator, East Asian Studies Program: Modern China, modern East Asia, Chinese institutional history.

GLENN PORTER, Ph.D. (Johns Hopkins), Associate Professor; also Director, Hagley Museum and Library: Business history.

JONATHAN RUSS, Ph.D. (Delaware), Assistant Professor: 20th century U.S. history, U.S.-East Asian relations.

STUART SEMMEL, Ph.D. (Harvard), Assistant Professor: Modern British history, European cultural history.

DAVID R. SHEARER, Ph.D. (Pennsylvania), Associate Professor; also Graduate Co-Chair of History: European technology, Soviet history.

STEVEN E. SIDEBOTHAM, Ph.D. (Michigan), Professor: Greek and Roman history, classical archaeology.

SUSAN STRASSER, Ph.D. (SUNY Stony Brook), Professor: American industrialization, U.S. social and cultural history since 1873, U.S. business history.

BRYANT F. TOLLES, JR., Ph.D. (Boston), Professor; also Director, Museum Studies; also Professor, Art History: nineteenth century U.S. history.

OWEN C. WHITE, Ph.D. (Oxford), Assistant Professor: Modern France, French Empire, West Africa.

RAYMOND B. WOLTERS, Ph.D. (California, Berkeley), Thomas Muncy Keith Professor: Twentieth-century U.S., race relations.

## JOINT APPOINTMENTS

Art History: BERNARD L. HERMAN.

Black American Studies: HOWARD B. JOHNSON.

Criminal Justice: ERIC W. RISE.

Economics: FARLEY GRUBB.

## Legal Studies

KENNETH J. KOFORD, Ph.D. (UCLA), Professor and Director; also Professor of Economics, Political Science: Public Choice, Contract Theory, Industrial Organization.

JOSEPH I. DANIEL, Ph.D. (Minnesota), J.D. (Northwestern), Associate Professor; also Associate Professor of Economics: Law and Economics.

JULIET L. DEE, Ph.D. (Temple), Associate Professor; also Associate Professor of Communication: Mass Media Law.

JOAN DeFATTORE, Ph.D. (Penn State), Professor; also Professor of English: First Amendment Rights in Schools.

JOSHUA M. DUKE, Ph.D. (Wisconsin), Assistant Professor; also Assistant Professor, Food and Resource Economics.

CHARLES M. ELSON, J.D. (Virginia), Professor; also, Edgar S. Woolard, Jr. Chair in Corporate Governance: Corporate Governance.

SUE DAVIS, Ph.D. (California, Santa Barbara), Professor; also Professor of Political Science: Constitutional Law and Political Theory.

LESLIE F. GOLDSTEIN, Ph.D. (Cornell), Professor; also Unidel Professor of Political Science: Constitutional Law.

KENNETH HAAS, Ph.D. (Rutgers), Professor; also Professor of Sociology and Criminal Justice: Judicial Behavior, Criminal Law, Corrections Law.

VALERIE HANS, Ph.D. (Toronto), Professor; also, Professor of Sociology and Criminal Justice: Law and Social Science, Psychology of Law.

GERARD J. MANGONE, Ph.D. (Harvard), Professor; also University Research Professor, Marine Studies: Maritime and International Law.

SHELDON D. POLLACK, Ph.D. (Cornell), J.D. (Pennsylvania), Associate Professor, Legal Studies; also Associate Professor, Accounting and Management Information Systems: Business Law, Tax Policy.

ERIC RISE, J.D., Ph.D. (Florida), Associate Professor; also Associate Professor of Sociology and Criminal Justice and Associate Chair: Constitutional Legal History.

NANCY LEE SCHWEDA-NICHOLSON, Ph.D. (Georgetown), Professor; also Professor, Linguistics: Court Interpretation, Bilingualism.  
 GERALD TURKEL, Ph.D. (California, Santa Barbara), Professor, also Professor, Sociology and Criminal Justice: Social Theory.  
 LELAND WARE, J.D. (Boston College), Professor, also Louis J. Redding Chair for the Study of Law and Public Policy: Employment Discrimination, Civil Rights Law, Civil Procedure.

### Liberal Studies Program

GARY MAY, Ph.D. (California, Los Angeles), Program Director; also Professor, History.  
 D. HEYWARD BROCK, Ph.D. (Kansas), Professor, English.  
 JOANN BROWNING, M.F.A. (Southern Methodist) Professor, Theatre.  
 MARTHA L. CAROTHERS, M.F.A. (Pennsylvania State University), Director, Center for Teaching Effectiveness; also Professor, Art: Visual communications.  
 ANNE COLWELL, Ph.D. (Delaware), Coordinator, MALS Program; also Associate Professor, English.  
 JOHN DEINER, Ph.D. (Rutgers), Associate Professor, Political Science and International Relations.  
 KAREN ROSENBERG, Ph.D. (Michigan), Associate Professor, Anthropology; also Chair, Anthropology Department.  
 JONATHAN RUSS, Ph.D. (Delaware), Assistant Professor, History.

### Linguistics

WILLIAM J. IDSARDI, Ph.D. (M.I.T.), Associate Professor and Chair: Phonology, phonetics, morphology.  
 BENJAMIN BRUENING, Ph.D. (M.I.T.), Assistant Professor, Linguistics: Syntax, psycholinguistics, Native American languages.  
 PETER COLE, Ph.D. (Illinois), Professor: Syntax, semantics, Quecha, Hebrew, Chinese.  
 GABRIELLA HERMON, Ph.D. (Illinois), Associate Professor; also Associate Professor, Education: Syntax, language acquisition, bilingualism.  
 NANCY LEE SCHWEDA-NICHOLSON, Ph.D. (Georgetown), Professor: Interpretation, bilingualism, French; also Professor, Legal Studies.  
 SATOSHI TOMIOKA, Ph.D. (Massachusetts), Assistant Professor; also Director of Graduate Studies: Semantics, syntax, East Asian linguistics.  
 IRENE B. VOGEL, Ph.D. (Stanford), Associate Professor; also Director, Undergraduate Studies in Linguistics: Phonology, morphology, Romance languages.

### JOINT AND ADJUNCT APPOINTMENTS

Center for Applied Science and Engineering: H. TIMOTHY BUNNELL, BETH A. MINEO.  
 Computer and Information Sciences: M. SANDRA CARBERRY, DANIEL L. CHESTER, KATHERINE MCCOY, VIJAYK. SHANKER.  
 Education: ROBERTA M. GOLINKOFF, RICHARD L. VENEZKY.  
 Psychology: BRIAN P. ACKERMAN.

### Mathematical Sciences

PHILIP BROADBRIDGE, Ph.D. (Adelaide, Australia), Professor and Chair: Mathematical physics.  
 CLIFFORD W. SLOYER, Ph.D. (Lehigh), Professor and Associate Chair: Topology and mathematics education.  
 THOMAS S. ANGELL, Ph.D. (Michigan), Professor: Optimal control theory, differential and integral equations.  
 DAVID P. BELLAMY, Ph.D. (Michigan State), Professor: Topology.  
 JOHN G. BERGMAN, Ph.D. (Illinois), Associate Professor: Functional analysis and probability.

RICHARD BRAUN, Ph.D. (Northwestern), Associate Professor: Perturbation, computational methods.  
 MICHAEL A. BROOK, Ph.D. (Northeastern Illinois), Instructor: Mathematics Education, Preparatory Math.  
 JINFA CAI, Ph.D. (Pittsburgh), Associate Professor: Mathematical education.  
 FIORALBA CAKONI, Ph.D. (Tirana Univ., Albania) Assistant Professor: Scattering theory and inverse problems.  
 ANTONIO CIRO, M.S. (Drexel), Instructor: Preparatory Math.  
 DAVID L. COLTON, D.Sc. (Edinburgh), Unidel Professor: Scattering theory and inverse problems.  
 L. PAMELA COOK-IOANNIDIS, Ph.D. (Cornell), Professor: Applied mathematics, perturbation theory and transonic flow.  
 ROBERT S. COULTER, Ph.D. (Queensland, Australia), Assistant Professor: Discrete Mathematics.  
 BRYAN CRISSINGER, M.S. (Pennsylvania State Univ), Instructor: Applied Statistics.  
 BETTYANN DALEY, M.S. (Vermont), Instructor: Preparatory Math.  
 MARGARET DONLAN, M.S. (Toledo), Instructor: Preparatory Math.  
 TOBIN A. DRISCOLL, Ph.D. (Cornell), Assistant Professor: Numerical Analysis.  
 CHRISTINE EBERT, Ph.D. (Delaware), Assistant Professor: Mathematics Education, Preparatory Math.  
 GARY L. EBERT, Ph.D. (Wisconsin), Professor: Combinatorics.  
 DAVID A. EDWARDS, Ph.D. (Cal Tech), Associate Professor: Asymptotics and perturbation theory.  
 ROBERT P. GILBERT, Ph.D. (Carnegie-Mellon), Unidel Professor; also Unidel Professor, College of Marine Studies, and Unidel Professor, Computer and Information Sciences: Integral and differential equations and function theory.  
 GEORGE C. HSIAO, Ph.D. (Carnegie-Mellon), Professor: Differential and integral equations, perturbation theory and fluid dynamics.  
 MARY ANN HUNTLEY, Ph.D. (U. Maryland, College Park), Assistant Professor: Applied Mathematics, Curriculum and Instruction.  
 JUDY A. KENNEDY, Ph.D. (Auburn), Professor: Topology, dynamical systems.  
 FELIX LAZEBNIK, Ph.D. (Pennsylvania), Professor: Combinatorics, graph and number theory.  
 YUK J. LEUNG, Ph.D. (Michigan), Associate Professor: Function theory.  
 WENBO LI, Ph.D. (Wisconsin), Professor: Probability theory, stochastic processes, statistics.  
 PETER B. MONK, Ph.D. (Rutgers), Unidel Professor: Numerical analysis.  
 PATRICK F. MWERINDE, Ph.D. (Columbia), Assistant Professor: Mathematics Education, Preparatory Math.  
 M. ZUHAIR NASHED, Ph.D. (Michigan), Professor; also Professor, Electrical Engineering: Functional analysis, optimization, integral equations, and numerical analysis.  
 DAVID O. OLAGUNJU, Ph.D. (Northwestern), Associate Professor: Applied mathematics.  
 JOHN A. PELESKO, Ph.D. (New Jersey Instit. Of Technology), Assistant Professor: Engineering Mathematics.  
 GERALDINE PRANGE, M.S. (St. Louis), Instructor, Preparatory Math.  
 GEORGIA B. PYRROS, M.S. (McMaster, Canada), Instructor: Business calculus.  
 RAKESH, Ph.D. (Cornell), Associate Professor: Partial differential equations.  
 DAVID P. ROSELLE, Ph.D. (Duke), Professor and President of the University: Combinatorics.  
 LOUIS F. ROSSI, Ph.D. (U. Arizona), Assistant Professor: Applied Mathematics.  
 LILLIAN RUSSELL, M.S. (Delaware), Instructor: Applied Statistics.

GILBERTO SCHLEINIGER, Ph.D. (California, Los Angeles), Associate Professor: Applied mathematics, fluid dynamics, scientific computing.

ANTHONY SERAPHIN, M.S. (Delaware), Instructor: Preparatory Math.

RONALD H. WENGER, Ph.D. (Michigan State), Associate Professor: Algebra and mathematics education.

QING XIANG, Ph.D. (Ohio State), Associate Professor: Combinatorics.

SHANGYOU ZHANG, Ph.D. (Penn State), Associate Professor: Numerical analysis and scientific computation.

#### **JOINT AND ADJUNCT APPOINTMENTS**

Computer and Information Sciences: BOBBY F. CAVINESS, B. DAVID SAUNDERS.

Education: WILLIAM B. MOODY.

Information Technologies: RICHARD S. SACHER

Mathematics and Science Education Resource Center: KATHLEEN A. HOLLOWELL.

Electrical Engineering: XIANG-GEN XIA

Mechanical Engineering: LEONARD W. SCHWARTZ

Adjunct Faculty: ALAN JEFFREY, RANIER KRESS, EMEKA NWANKO, LASSI PAIVARINTA, GARY ROACH, WOLFGANG WENDLAND.

#### **Military Science**

KATHRYN H. HEWITT, M.S. (Southern California), Lieutenant Colonel, United States Army; Professor and Chair.

WILLIAM BARTON, Master Sergeant, United States Army; Instructor.

GEORGE L. DOWNEY, B.S. (Clarion), Captain, United States Army; Operations Officer and Assistant Professor.

BARBARA A. JONES, Staff Sergeant, United States Army; Supply Supervisor.

GREGG O'NEILL, B.S., (Radford), Captain, United States Army; Enrollment and Scholarship Officer and Assistant Professor.

GREGORY S. SNAPP, B.A. (Delaware), Major, United States Army National Guard; Executive Officer and Assistant Professor.

JOSEPH B. SAUNDERS, United States Army Civilian; Records Technician.

HOWARD E. STROTHER, Sergeant First Class, United States Army; Instructor.

#### **Museum Studies**

BRYANT F. TOLLES, JR., Ph.D. (Boston University), Director and Professor; also Professor, History, Art History.

J. RITCHIE GARRISON, Ph.D. (Pennsylvania), Associate Director and Associate Professor; also Associate Professor, History and Associate Professor, Winterthur Program in Early American Culture.

HILTON E. BROWN, M.F.A. (Art Institute of Chicago), Professor; also Harriet T. Bailey Professor of Art, Art Conservation, and Art History.

CHANDRA L. REEDY, Ph.D. (California, Los Angeles), Professor; also Professor of Art History and Professor, Urban Affairs and Public Policy.

#### **Music**

JAMES C. PRODAN, D.M.A. (Ohio State University), Professor and Chair: Oboe.

RUSSELL E. MURRAY, JR., Ph.D. (North Texas), Associate Professor and Associate Chair: Music history.

CYNTHIA L. CARR, M.M. (Florida State), Professor and Coordinator of Graduate Studies: Horn.

JAMES P. ANCONA, M.M. (Indiana), Assistant Director, Blue Hen Marching Band: Percussion.

MICHAEL A. ARENSON, Ph.D. (Ohio State), Professor: Music theory and computer-based instruction.

JENNIFER BARKER, Ph.D. (Pennsylvania), Associate Professor: Music theory and composition.

ELAINE M. BRENCHELEY, M.A. (New York University), Administrator for Resources and Public Programs: Music management.

SUZANNE L. BURTON, Ph.D. (Michigan State), Assistant Professor: Music Education.

CHARLES CLARK, JR., B.A. (Wake Forest), Audio Engineer.

JON A. CONRAD, Ph.D. (Indiana), Associate Professor: Music theory, vocal literature.

W. ANDREW COTTLE, D.A. (Northern Colorado), Associate Professor: Music appreciation.

MARIE CHRISTINE DELBEAU, M.M. (North Texas), Associate Professor: Piano.

MELANIE K. DeMENT, D.M.A. (North Texas), Associate Professor: Voice.

MARY DUNNACK, B.M. (Houghton College), Administrator for Recruiting, Admissions, and Scholarship.

RICHARD PATRICK EVANS, D.M. (Florida State), Associate Professor: Voice and opera workshop.

J. MICHAEL FOSTER, M.A. (Virginia), Music Resources Supervisor: Jazz history, bibliography.

XIANG GAO, M.M. (Michigan), Assistant Professor: Violin and Viola.

EILEEN GRYCKY, M.M. (New England Conservatory), Assistant Professor: Flute.

ALAN D. HAMANT, M.M. (Kansas), Associate Professor: Trumpet.

PAUL D. HEAD, D.M.A. (Oklahoma), Assistant Professor: Director of Choral Studies.

DAVID HERMAN, D.M.A. (Kansas), University Organist and Trustees Distinguished Professor: Organ, church music, and music theory.

DONALD J. HILDEBRANDT, D.M. (Indiana), Professor: Low brass.

JULIE H. NISHIMURA, B.M. (New England Conservatory), Faculty Accompanist: Accompanying.

LARRY W. PETERSON, Ph.D. (North Carolina), Professor: Music history.

HARVEY J. PRICE, M.M. (Temple University), Assistant Professor: Percussion, jazz.

MARIE H. ROBINSON, D.M. (Florida State), Associate Professor: Voice and opera workshop.

CHARLES V. SALINGER, B.M. (Curtis), Instructor: Clarinet and Saxophone.

TAMARA SMITH, M.P.A. (Delaware), Music Events Coordinator and Director, Community Music School.

HEIDI SARVER, M.M. (Massachusetts, Amherst), Associate Professor; also Director, Blue Hen Marching Band.

LLOYD C. SHORTER, B.F.A. (Ithaca), Assistant Professor: Oboe.

ROBERT J. STRECKFUSS, D.M.A. (Catholic University), Professor: Music education and wind ensemble.

CHRISTIAAN TAGGART, B.M. (Philadelphia College of Performing Arts), Instructor: Guitar.

RUTH M. TAUBER, M.A. (Delaware), Assistant to the Chair.

MICHAEL A. ZINN, Ph.D. (Michigan State), Professor: Music theory and composition.

#### **JOINT APPOINTMENTS**

Education: FRED T. HOFSTETTER

Adjunct Faculty: JAN BROSKA, NICOLE CLOUSER, PHILIP DOUCETTE, JON GAARDER, ANNE GROSS, VERNON JAMES, VINCE MARINELLI, MICHAEL MORGAN, MICHAEL O'CONNOR, TOM PALMER, CAROL PRODAN, JOHN SARRO, JOHN SOUTHARD, PAULA TYLER, ERIK UNSWORTH, TONY VENTURA.

#### **Philosophy**

FREDERICK ADAMS, Ph.D. (Wisconsin), Professor and Chair: Epistemology, cognitive science, philosophy of mind.

ROBIN O. ANDREASEN, Ph.D. (Wisconsin), Assistant Professor: Philosophy of biology, philosophy of science, gender/race studies.



CHRISTOPHER BOORSE, Ph.D. (Princeton), Associate Professor: Philosophy of medicine, ethics.  
 ROBERT F. BROWN, Ph.D. (Columbia), Professor: Philosophy of religion, nineteenth century philosophy.  
 KAI DRAPER, Ph.D. (University of California, Irvine), Assistant Professor: Ethics and philosophy of law.  
 PAUL T. DURBIN, Ph.D. (Aquinas Institute of Philosophy), Professor; also Professor, Urban Affairs and Public Policy: Philosophy of technology, environmental ethics.  
 ALAN D. FOX, Ph.D. (Temple), Associate Professor: Asian and comparative philosophy, comparative religion.  
 MARK GREENE, Ph.D. (Stanford University), Assistant Professor: Bioethics.  
 HARRISON B. HALL, Ph.D. (Northwestern), Professor: Logic, philosophy of science.  
 RICHARD M. HANLEY, Ph.D. (Maryland), Assistant Professor: Philosophy of language, metaphysics, ethics.  
 DAVID W. HASLETT, Ph.D. (Minnesota), Professor: Ethics, social and political philosophy, philosophy of law.  
 JEFFREY J. JORDAN, Ph.D. (Purdue), Associate Professor: Philosophy of religion.  
 LUCIA M. PALMER, Ph.D. (Pisa), Professor: Ancient and modern philosophy, ethics.  
 JOEL PUST, Ph.D. (University of Arizona), Assistant Professor: Philosophy of mind, epistemology, cognitive science.  
 KATHERIN A. ROGERS, Ph.D. (Notre Dame), Associate Professor: Medieval philosophy, philosophy of religion.  
 DAVID B. SILVER, Ph.D. (Arizona), Associate Professor: Ethics, Jewish philosophy, metaethics.  
 DOUGLAS F. STALKER, Ph.D. (North Carolina), Associate Professor: Critical thinking, aesthetics.

### Physical Therapy

STUART BINDER-MACLEOD, Ph.D., P.T. (Medical College of Virginia), Professor and Chair: Electrical stimulation parameters on muscle performance.  
 CARL EATON, M.P.T., A.T.C. (Delaware), Physical Therapist: Physical Therapy Clinic.  
 JAMES C. GALLOWAY, Ph.D., P.T. (Arizona), Assistant Professor: Development of infant motor behaviors.  
 NOEL M. GOODSTADT, M.P.T. (Hahnemann University), Physical Therapist: Physical Therapy Clinic.  
 STACIE LARKIN, M.Ed., P.T. (Boston University), Academic Coordinator of Clinical Education.  
 JOSEPH A. LUCCA, Ph.D., P.T. (Delaware), Associate Professor: Health care delivery systems for the elderly.  
 TARA JO MANAL, M.P.T., O.C.S. (Delaware), Director of Physical Therapy Clinic.  
 IRENE S. McCLAY, Ph.D., P.T. (Penn State), Associate Professor: Biomechanical analysis of running injuries.  
 PAUL F. METTLER, Ed.D., P.T. (Northeastern), Associate Professor: Higher education administration.  
 KATHERINE RUDOLPH, Ph.D., P.T. (Delaware), Assistant Professor: EMG to characterize movement strategies.  
 JOHN SCHOLZ, Ph.D., P.T. (Connecticut), Associate Professor: Examination of motor control using motion analysis.  
 LAURA A. SCHMITT, M.S.P.T., S.C.S., A.T.C. (Beaver College), Associate Director of Physical Therapy Clinic.  
 KENNETH W. SEAMAN, M.A., P.T. (Delaware), Academic Coordinator of Clinical Education.  
 LYNN SNYDER-MACKLER, Sc.D., P.T. (Boston University), Professor: Examination of rehabilitation protocols following ACL repair.

### Physics And Astronomy

GEORGE HADJIPANAYIS, Ph.D. (Manitoba), Richard B. Murray Professor and Chair: Experimental condensed matter physics, magnetism, nanocrystalline materials.  
 DENNIS C. COLLINS, B.A. (Delaware), Assistant to the Chair.  
 CHENG-MING FOU, Ph.D. (Pennsylvania), Professor: Nuclear physics and accelerator-based atomic physics.  
 JOHN GIZIS, Ph.D. (Caltech), Assistant Professor: Astronomy and astrophysics, brown dwarfs.  
 HENRY R. GLYDE, D. Phil. (Oxford), Professor: Condensed matter theory, neutron studies of condensed matter, liquid helium.  
 DAVID R. JOHNSON, M.S. (Delaware), Undergraduate Laboratory Coordinator.  
 CHUNG N. LEUNG, Ph.D. (Minnesota), Professor: Elementary particle theory.  
 JAMES MacDONALD, Ph.D. (Cambridge), Professor: Astronomy and astrophysics, white dwarfs, cataclysmic variables.  
 JOHN D. MORGAN, Ph.D. (California, Berkeley), Associate Professor: Theoretical atomic and molecular physics.  
 NORBERT MULDER, Ph.D. (Delaware), Associate Professor: Condensed matter, low temperatures.  
 BRANISLAV K. NIKOLIC (SUNY, Stony Brook), Assistant Professor: Theoretical condensed matter physics.  
 EDMUND NOWAK, Ph.D. (Minnesota), Assistant Professor: Condensed matter, strongly correlated systems, superconductivity and granular materials.  
 ISMAT SHAH, Ph.D. (Illinois), Associate Professor: Thin films, surfaces and interfaces.  
 MARK SHARNOFF, Ph.D. (Harvard), Professor: Biophysics, holography of biosystems.  
 HARRY L. SHIPMAN, Ph.D. (California Institute of Technology), Annie Jump Cannon Professor: Astronomy and astrophysics, white dwarfs.  
 KRZYSZTOF SZALEWICZ, Ph.D. (Warsaw), Professor: Theoretical atomic and molecular physics.  
 KARL UNRUH, Ph.D. (Johns Hopkins), Professor: Condensed matter, finite size effects, thin films.  
 BARRY C. WALKER, Ph.D. (SUNY, Stony Brook), Assistant Professor: Experimental atomic, molecular, and optical physics.  
 GEORGE H. WATSON, Ph.D. (Delaware), Unidel Professor and Associate Dean of College of Arts and Science for Natural Science and Mathematics: Laser spectroscopy of condensed matter, photonic band structure.  
 BARBARA A. WILLIAMS, Ph.D. (Maryland), Associate Professor: Astronomy and astrophysics, radio astronomy and groups of galaxies.  
 JOHN Q. XIAO, Ph.D. (Johns Hopkins), Associate Professor: Experimental condensed matter, transport, magnetism, and superconductivity in artificial nanostructures.

### JOINT APPOINTMENTS

Materials Science and Engineering: S. ISMAT SHAH.

### Bartol Research Institute

STUART PITTEL, Ph.D. (Minnesota), Professor and Director: Theoretical nuclear physics, nuclear astrophysics.  
 STEPHEN M. BARR, Ph.D. (Princeton), Professor: Elementary particle theory.  
 JOHN W. BIEBER, Ph.D. (Maryland), Professor: Space physics, cosmic ray physics.  
 SIU-TAT CHUI, Ph.D. (Princeton), Professor: Condensed matter theory, low dimensional and amorphous materials.  
 PAUL A. EVENSON, Ph.D. (Chicago), Professor: Space physics, solar and cosmic ray studies.  
 THOMAS K. GAISSER, Ph.D. (Brown), Professor: Particle physics and particle astrophysics.



WILLIAM H. MATTHAEUS, Ph.D. (William and Mary), Professor: Space physics, plasma physics, turbulence theory, and computational physics.  
 DERMOTT J. MULLAN, Ph.D. (Maryland), Professor: Astrophysics, solar and stellar physics.  
 NORMAN F. NESS, Ph.D. (M.I.T.), Professor: Space physics, planetary and interplanetary magnetism.  
 STANLEY P. OWOCKI, Ph.D. (Colorado), Professor: Astrophysics, stellar atmospheres, winds and disks.  
 DAVID SECKEL, Ph.D. (Washington), Associate Professor: Cosmology, particle astrophysics.  
 QAISAR SHAFI, Ph.D. (Imperial College), Professor: Elementary particle theory, cosmology.  
 TODOR STANEV, Ph.D. (Sofia), Professor: Particle astrophysics, cosmic ray physics.

### Political Science And International Relations

JAMES MAGEE, Ph.D. (Virginia), Professor and Acting Chair: Public law.  
 GRETCHEN BAUER, Ph.D. (Wisconsin), Associate Professor and Associate Chair; also Director, African Studies Program: African and comparative politics, women and politics.  
 ALICE BA, Ph.D. (Virginia), Assistant Professor: East Asia and comparative politics.  
 KENNETH J. CAMPBELL, Ph.D. (Temple), Associate Professor and Director, International Relations Program: International relations.  
 JULIO F. CARRION, Ph.D. (Pittsburgh), Assistant Professor: Latin American politics.  
 SUE DAVIS, Ph.D. (California, Santa Barbara), Professor: Constitutional law and political theory.  
 THEODORE J. DAVIS, Ph.D. (Florida State), Associate Professor: Political behavior and public policy.  
 JOHN T. DEINER, Ph.D. (Rutgers), Associate Professor; also Interim Assistant Dean, Georgetown Parallel: Latin American politics.  
 ROBERT A. DENEMARK, Ph.D. (Minnesota), Associate Professor: International relations.  
 LESLIE F. GOLDSTEIN, Ph.D. (Cornell), Judge Hugh M. Morris Professor: Constitutional law.  
 DANIEL M. GREEN, Ph.D. (Indiana), Associate Professor: International development and comparative public administration.  
 MATTHEW HOFFMANN, Ph.D. (George Washington), Assistant Professor: Global governance, environmental politics.  
 MARK W. HUDDLESTON, Ph.D. (Wisconsin), Professor; also Dean, College of Arts and Science; also Professor, Urban Affairs and Public Policy: Public administration.  
 JANET B. JOHNSON, Ph.D. (Cornell), Associate Professor; also Associate Professor, Urban Affairs and Public Policy: Environmental policy, state and local government, research methods.  
 WILLIAM H. MEYER, Ph.D. (Iowa), Professor: International relations.  
 MARK J. MILLER, Ph.D. (Wisconsin), Professor: Comparative politics.  
 JASON MYCOFF, Ph.D. (Ohio State), Assistant Professor: American Government Institutions, Methodology.  
 JAMES K. OLIVER, Ph.D. (American), Emma Smith Morris Professor; also Professor, Marine Studies: International relations, American foreign and defense policy.  
 MARIAN L. PALLEY, Ph.D. (New York University), Professor; also Professor, Urban Affairs and Public Policy, also Professor, College of Marine Studies, also Director and Professor, Women's Studies Program: Public policy analysis, urban politics and administration.  
 JOSEPH A. PIKA, Ph.D. (Wisconsin), Professor: American and public administration.  
 CLAIRE E. RASMUSSEN, Ph.D. (University of Washington), Assistant Professor: Public law and political theory.  
 JERROLD E. SCHNEIDER, Ph.D. (New York University), Associate Professor: American politics and political economy.

RICHARD T. SYLVES, Ph.D. (Illinois), Professor; also Professor, College of Marine Studies, and Professor, Urban Affairs and Public Policy: Public administration.

### JOINT AND ADJUNCT APPOINTMENTS

Accounting: SHELDON D. POLLACK.  
 Communication: RALPH BEGLEITER.  
 Criminal Justice: KENNETH HAAS.  
 Economics: KENNETH J. KOFORD.  
 Education: JAN BLITS.  
 Marine Studies: BILLIANA CICIN-SAIN, GERARD J. MANGONE.  
 Urban Affairs and Public Policy: DEBORAH AUGER, KATHRYN G. DENHARDT, JEROME R. LEWIS, DANIEL RICH, JEFFREY A. RAFFEL, PAUL SOLANO, ROBERT WARREN.

### Psychology

THOMAS M. DILORENZO, Ph.D. (West Virginia), Professor and Chair: Health psychology, cognitive changes in college students, program evaluation.  
 BRIAN P. ACKERMAN, Ph.D. (SUNY, Stony Brook), Professor and Director of Undergraduate Education: Cognitive development, emotional development, developmental risk.  
 LAWRENCE H. COHEN, Ph.D. (Florida State), Professor: Stress and coping, psychopathology and psychotherapy.  
 RITA Y. COHEN, Ph.D. (Florida State), Associate Professor; also Director, Psychological Services.  
 MARY DOZIER, Ph.D. (Duke), Professor: Developmental psychopathology, early intervention.  
 ROBERT W. EISENBERGER, Ph.D. (California, Riverside), Professor: Human motivation, organizational behavior, intrinsic task interest, and learned industriousness.  
 SAMUEL L. GAERTNER, Ph.D. (City University of New York), Professor: Intergroup relations.  
 JAMES E. HOFFMAN, Ph.D. (Illinois), Professor: Attention, eye movements, spatial cognition, and event-related brain potentials.  
 JULIE HUBBARD, Ph.D. (Duke), Associate Professor: The study and treatment of children's difficulties with peer relations, aggression, and emotion regulation.  
 HELENE INTRAUB, Ph.D. (Brandeis), Professor: Cognitive processes, attention, perception and encoding of visual scenes.  
 CARROLL E. IZARD, Ph.D. (Syracuse), Trustees Distinguished Professor: Emotions and preventive intervention, development of emotion knowledge, emotion regulation, and socioemotional competence.  
 JAMES M. JONES, Ph.D. (Yale), Professor: Social psychology and culture, race, and racism.  
 R. ROGERS KOBAC, Ph.D. (Virginia), Associate Professor: Adolescents' family and peer relationships, developmental risk.  
 D. MICHAEL KUHLMAN, Ph.D. (California, Santa Barbara), Associate Professor: Individual differences in the social motives of cooperation, individualism, and competition.  
 FREDERICK A. MASTERSON, Ph.D. (Princeton), Professor: Animal learning, artificial intelligence, computer systems, mathematical psychology.  
 JOHN P. McLAUGHLIN, Ph.D. (New York University), Associate Professor: Strategies in learning, semantic organization, retention, aesthetics.  
 DAVID P.M. NORTHMORE, Ph.D. (Sussex, England), Professor; also Coordinator, Neuroscience: Neurophysiology of vision and visual development.  
 EUN RHEE, Ph.D. (New York University), Assistant Professor: Cross-cultural, racial and ethnic identities, social development.  
 JEFFERY ROSEN, Ph.D. (Wayne State), Associate Professor: Neurobiology of emotional behaviors, molecular and pharmacological substrates of fear and anxiety.

EVELYN SATINOFF, Ph.D. (New York University) Professor: Neural integration of sleep, circadian rhythms, thermoregulation; motivated behavior, aging.

ROBERT F. SIMONS, Ph.D. (Wisconsin), Professor and Associate Chair: Human psychophysiology, emotion, information processing.

CARLISLE SKEEN, Ph.D. (Florida State), Associate Professor: Developmental and comparative neuroanatomy.

MARK E. STANTON, Ph.D. (Texas-Austin), Associate Professor and Director of Graduate Education: Development and neural basis of learning and memory; developmental disorders.

JOHN W. WHALEN, Ph.D. (Johns Hopkins University), Assistant Professor: Numerical cognition, cognitive neuropsychology, neural network simulations, functional brain imaging.

#### **JOINT AND ADJUNCT APPOINTMENTS**

Communication: BETTY J. HASLETT.

Counseling and Student Development: RICHARD S. SHARF.

Criminal Justice: VALERIE P. HANS.

Education: RALPH P. FERRETTI, JOSEPH I. GLUTTING, ROBERTA GOLINKOFF, DAVID KAPLAN, FRANK B. MURRAY.

Institutional Research and Planning: KAREN W. BAUER.

Individual and Family Studies: MICHAEL FERRARI.

Physical Therapy: JAMES C. GALLOWAY.

### **Sociology And Criminal Justice**

JOEL BEST, Ph.D. (California, Berkeley), Professor and Chair: Social problems, social deviance.

JEFFREY L. DAVIDSON, Ph.D. (Michigan), Associate Professor and Associate Chair: Urban sociology, social welfare.

ERIC W. RISE, J.D., Ph.D. (Florida), Associate Professor and Associate Chair, Criminal Justice Program: Constitutional legal history; also Professor, Legal Studies.

BENIGNO E. AGUIRRE, Ph.D. (Ohio State), Professor: Collective behavior/social movements, race/ethnic/minority relations.

MARGARET L. ANDERSEN, Ph.D. (Massachusetts), Professor; also Professor, Women's Studies: Race relations, sex and gender, theory.

TAMMY L. ANDERSON, Ph.D. (The American University), Associate Professor and Ethnographer for the Center for Drug and Alcohol Studies: Drug abuse, HIV, and crime.

RONET BACHMAN, Ph.D. (New Hampshire), Professor: Crime and research methods.

SALLY BOULD, Ph.D. (California, Berkeley), Professor; also Professor, Individual and Family Studies: Gerontology, family.

ANNE BOWLER, Ph.D. (New School for Social Research), Associate Professor: Cultural theory, sex and gender.

GORDON J. DiRENZO, Ph.D. (Notre Dame), Professor: Social psychology, personality and social systems, social psychiatry.

M. DAVID ERMANN, Ph.D. (Michigan), Professor: Corporate crime, medical, complex organizations.

DAVID B. GULICK, Ph.D. (Sam Houston State), Assistant Professor: Criminology, corrections.

KENNETH C. HAAS, Ph.D. (Rutgers), Professor: Judicial behavior, criminal law, corrections law; also Professor, Legal Studies.

VALERIE P. HANS, Ph.D. (Toronto), Professor: Psychology of law, law and social science; also Professor, Legal Studies.

LANA D. HARRISON, Ph.D. (Michigan), Associate Professor; also Associate Director, Center for Drug and Alcohol Studies: Alcohol and drugs, criminology/delinquency, social psychology.

ELIZABETH HIGGINBOTHAM, Ph.D. (Brandeis), Professor: Race, gender, stratification.

JAMES A. INCIARDI, Ph.D. (New York University), Professor; also Director, Center for Drug and Alcohol Studies: Criminology, drugs, criminal justice.

JOHN K. KELLY, D.P.A. (New York University), Associate Professor: Criminal justice.

VIVIAN L. KLAFF, Ph.D. (Wisconsin), Associate Professor: Demography, urban sociology.

CARL B. KLOCKARS, Ph.D. (Pennsylvania), Professor: Criminal justice, police, criminology.

SUSAN MILLER, Ph.D. (Maryland), Professor: Criminology, sex and gender, policing.

JOANNE M. NIGG, Ph.D. (California, Los Angeles), Professor: Collective behavior, social movements, social psychology.

GRAHAM C. OUSEY, Ph.D. (Louisiana State), Assistant Professor: Criminology/delinquency; statistics, deviant behavior.

CYNTHIA ROBBINS, Ph.D. (Michigan), Professor: Substance abuse, deviance, social epidemiology.

FRANK R. SCARPITTI, Ph.D. (Ohio State), Edward F. and Elizabeth G. Rosenberg Professor of Sociology: Deviant behavior, crime and delinquency.

BENJAMIN STEINER, Ph.D. (Northeastern), Assistant Professor: Justice decision making, social control, intersections of race, culture and criminal punishment.

GERALD M. TURKEL, Ph.D. (California, Santa Barbara), Professor: Social theory, social psychology; also Professor, Legal Studies.

#### **JOINT AND ADJUNCT APPOINTMENTS**

Black American Studies: CAROLE C. MARKS.

Urban Affairs and Public Policy: ROBERT A. WILSON.

Adjunct Faculty: EMMA JEAN JOSEPH, MARGIE KITER EDWARDS, CHARLES M. OBERLY III, ROBERT J. O'NEIL, JOHN J. POLK, EMILY REED.

### **Theatre**

SANFORD L. ROBBINS, M.F.A. (Carnegie-Mellon), Professor and Chair: Acting, directing.

JOANN E. BROWNING, M.F.A. (Southern Methodist), Professor and Associate Chair: Stage movement/dance.

ANDREA A. BARRIER, B.A. (Wisconsin), Associate Professor: Costume production.

PETER W. BRAKHAGE, Technical Director: Technical Production.

RICHARD P. BROWN, Ph.D. (Tulane), Professor: Undergraduate acting.

WILLIAM L. BROWNING, M.F.A. (Iowa), Professor: Technical production.

JAMES H. CUNNINGHAM, M.A. (Toronto), Associate Professor: Undergraduate acting.

RICK A. CUNNINGHAM, M.A. (Tulane), Associate Professor: Stage management.

CATHERINE FITZMAURICE, M.A. (Michigan), Professor: Undergraduate acting.

HEINZ-UWE HAUS, Ph.D. (Humboldt), Professor: Acting, directing, theatre history.

BARBARA HUGHES, Costume Manager.

ROBIN LU PAYNE, M.F.A. (Temple), Associate Professor: Technical production.

LESLIE REIDEL, M.F.A. (Temple), Professor: Acting, directing.

EILEEN T. SMITHEIMER, B.A. (Purdue), Associate Professor: Technical production.

SUSAN R. SWEENEY, M.F.A. (Massachusetts), Professor: Stage speech, voice production.

STEVE J. TAGUE, M.F.A. (Wisconsin), Associate Professor: Stage speech, voice production.

JEWEL H. WALKER, Professor: Acting, directing, stage movement.

#### **JOINT AND ADJUNCT APPOINTMENTS**

English: JAY L. HALIO.

### **Winterthur Program in Early American Culture**

J. RITCHIE GARRISON, Ph.D. (Pennsylvania), Acting Director; also Associate Professor, History: Colonial period, material culture.

ANNE BOYLAN, Ph.D. (Wisconsin), Professor, History: Women's studies, antebellum America.

MARTIN BRUECKNER, Ph.D. (Brandeis), Assistant Professor: Colonial American literature.

LU ANN DE CUNZO, Ph.D. (Pennsylvania), Associate Professor, Anthropology: Archaeology and material culture.

ANN E. GIBSON, Ph.D. (University of Delaware), Professor, Art History: Contemporary and American art, African-American art.

CAROLE HABER, Ph.D. (Pennsylvania), Professor and Chair: U.S. history, social history, aging and medicine.

BERNARD L. HERMAN, Ph.D. (Pennsylvania), Edward F. and Elizabeth Goodman Rosenberg Professor, Art History; also Director, Center for American Material Culture Studies: Folklore and folklife, material culture.

CHRISTINE HEYRMAN, Ph.D. (Yale), Distinguished Professor, History: Colonial period.

MATTHEW KINSERVIK, Ph.D. (Penn State), Associate Professor, English: Eighteenth century British literature.

PETER KOLCHIN, Ph.D. (Johns Hopkins), Henry Clay Reed Professor, History: Nineteenth century U.S. history, southern history, slavery.

MICHAEL LEJA, Ph.D. (Harvard), Sewell C. Biggs Professor in American Art and Chair, Art History: Nineteenth and Twentieth Century American Art.

J.A. LEO LeMAY, Ph.D. (Pennsylvania), Winterthur Professor, English: Colonial American literature.

CATHY MATSON, Ph.D. (Columbia), Associate Professor, History: Colonial period.

DONALD C. MELL, Ph.D. (Pennsylvania), Professor, English.

ARWEN MOHUN, Ph.D. (Case Western), Associate Professor, History: History of technology.

SUSAN STRASSER, Ph.D. (SUNY Stony Brook), Professor, History: American industrialization, U.S. social and cultural history since 1873, U.S. business history.

BRYANT F. TOLLES, JR. Ph.D. (Boston), Director, Museum Studies Program; also Professor, History and Professor, Art History: American decorative arts.

#### JOINT AND ADJUNCT APPOINTMENTS

Adjunct Faculty: GRETCHEN T. BUGGELN, WENDY COOPER, LINDA EATON, PAULINE EVERSMAUN, DONALD L. FENNIMORE, LESLIE GRIGSBY, PATRICIA HALFPENNY, BROCK JOBE, GARY KULIK, RICH McKINSTRY, ANNE VERPLANCK.

#### Women's Studies

MARIAN LIEF PALLEY, Ph.D. (New York University), Director and Professor; also Professor, Political Science and International Relations: Public policy analysis, American politics, women and politics.

MARGARET L. ANDERSEN, Ph.D. (Massachusetts), Professor; also Professor, Sociology and Criminal Justice: Race relations, sex and gender, theory.

ROBIN ANDREASEN, Ph.D. (Wisconsin), Assistant Professor; also Assistant Professor, Philosophy: Philosophy of biology, philosophy of science, and gender/race studies.

ERICA ARMSTRONG, Ph.D. (Columbia), Assistant Professor; also Assistant Professor, History: African American history, women's history, nineteenth century U.S. history.

GRETCHEN BAUER, Ph.D. (Wisconsin), Associate Professor; also Associate Professor, Political Science and International Relations; also Coordinator, African Studies Program: African and comparative studies.

KAREN BAUER, Ph.D. (Maryland), Assistant Professor; also Assistant Director, Institutional Research and Planning: Student outcome, assessment.

SALLY BOULD, Ph.D. (California, Berkeley), Professor; also Professor, Individual and Family Studies, and Professor, Sociology and Criminal Justice: Gerontology, family.

ANNE BOWLER, Ph.D. (New School for Social Research), Associate Professor; also Associate Professor, Sociology and Criminal Justice: Cultural theory, sex and gender.

ANNE M. BOYLAN, Ph.D. (Wisconsin), Professor; also Professor, History: U.S. social history, history of women.

SUZANNE J. CHERRIN, Ph.D. (Delaware), Assistant Professor: International gender issues; sexuality and gender; breast cancer; gender and competition.

PETER FENG, Ph.D. (Iowa), Associate Professor; also Associate Professor, English: Asian-American film.

BARBARA T. GATES, Ph.D. (Bryn Mawr), Professor; also Alumni Distinguished Professor, English: Victorian literature.

ANNETTE GIESECKE, Ph.D. (Harvard), Assistant Professor; also Assistant Professor, Foreign Languages and Literatures: Classics.

BETH HASLETT, Ph.D. (Minnesota), Professor; also Professor, Communication, and Professor, Psychology: Gender and communication, leadership and organizations.

ELIZABETH HIGGINBOTHAM, Ph.D. (Brandeis), Professor; also Professor, Sociology and Criminal Justice: Race, gender, stratification.

SAUL HOFFMAN, Ph.D. (Michigan), Professor; also Chairperson, Economics: Labor economics.

MARIE LABERGE, Ph.D. (Wisconsin), Assistant Professor: Twentieth century American history, U.S. women's history.

WUNYABARI MALOBA, O.P.W., Ph.D. (Stanford), Associate Professor; also Associate Professor, History: African history.

LAWRENCE MARCEAU, Ph.D. (Harvard), Associate Professor; also Associate Professor, Foreign Languages and Literatures: Japanese.

RUDDOLF MATTHEE, Ph.D. (California, Los Angeles), Associate Professor; also Associate Professor, History: Middle Eastern history.

JUDY McINNIS, Ph.D. (North Carolina), Professor; also Professor, Foreign Languages and Literatures: Spanish and comparative literature.

SUSAN MILLER, Ph.D. (Maryland), Professor; also Professor, Sociology and Criminal Justice: Criminology, sex and gender, policing.

RUSSELL E. MURRAY, Ph.D. (North Texas), Associate Professor; also Associate Professor, Music: Music history.

LUCIA PALMER, Ph.D. (Pisa), Professor; also Professor, Philosophy: Ancient and modern philosophy, ethics.

LINDA PELLECCCHIA, Ph.D. (Harvard), Associate Professor; also Associate Professor, Art History: History of architecture, Renaissance art.

ALVINA E. QUINTANA, Ph.D. (California, Santa Cruz), Associate Professor; also Associate Professor, English: Multicultural studies, women's literature.

KAREN ROSENBERG, Ph.D. (Michigan), Associate Professor; also Chair, Anthropology: Paleoanthropology, human locomotion and birth, Neanderthals.

JESSICA SCHIFFMAN, M.A. (Delaware), Assistant Director: Gender and violence.

MARGARET STETZ, Ph.D. (Harvard), Mae and Robert Carter Professor: Women and literature, British literature.

KATHLEEN D. TURKEL, Ph.D. (Delaware), Assistant Professor: Women's health; motherhood and culture.

JULIE MAPES WILGEN, Ph.D. (Texas Tech), Assistant Professor; also Assistant Professor, Individual and Family Studies: Human sexuality.

## OTHER PROGRAMS IN THE COLLEGE OF ARTS AND SCIENCE

### University Museums: University Gallery/ University Of Delaware Mineralogical Museum

BELENA S. CHAPP, M.A. (Purdue), Director, University Gallery.  
JANET R. BROSKE, M.A. (Delaware), Curator, University Gallery.  
TIM GOECK, M.F.A. (California Institute of the Arts), Head Exhibition Designer.

### University Parallel Program

#### WILMINGTON CAMPUS

JOHN D. ANDERSON, Ph.D. (Delaware), Associate Professor of Mathematics.  
JOHN A. BARTLEY, Ph.D., (Delaware), Assistant Professor of Biology.  
PHILIP GOLDSTEIN, Ph.D. (Temple), Professor of English.  
ALAN M. HOROWITZ, M.A. (Delaware), Associate Professor of Sociology/Criminal Justice.  
MICHAEL ROSENBERG, Ph.D. (Pennsylvania), Associate Professor of Anthropology.  
MARISA DE LOS SANTOS, Ph.D. (Houston), Assistant Professor of English.  
DAVID TEAGUE, Ph.D. (Virginia), Associate Professor of English.

#### DOVER CAMPUS

KATHLEEN A. BIEKER, M.A. (Central Michigan), Assistant Dean, Dover Campus.  
BARBARA Z. CHRISTENSEN, M.A. (Delaware), Assistant Professor of English.  
CARLA C. MORRIS, Ph.D. (Delaware), Assistant Professor of Mathematics.  
SHARON S. TUCKER, Ph.D. (Rutgers), Associate Professor of Biology.

#### GEORGETOWN CAMPUS

JOHN T. DEINER, Ph.D. (Rutgers), Interim Assistant Dean, Georgetown Campus.  
ANNE A. COLWELL, Ph.D. (Delaware), Associate Professor of English.  
LAWRENCE A. CURTIS, Ph.D. (Delaware), Professor, Biology; also Professor, Department of Biological Sciences, and Professor, Marine Studies.  
NANCY S. HALL, M.A. (Delaware), Assistant Professor of Mathematics.  
JAMES KEEGAN, Ph.D. (Delaware), Assistant Professor of English.  
CHARLES M. KOPAY, Ph.D. (Delaware), Associate Professor of Chemistry.  
MARK W. McLEOD, Ph.D. (California, Los Angeles), Associate Professor of History.  
RUTH S. MULFORD, M.A. (Yale), Instructor of Music.  
HENRY R. NYCE, M.A. (Delaware), Assistant Professor of Sociology.  
NORMAN S. PASSMORE, Ph.D. (Delaware), Assistant Professor of Mathematics.

### University Writing Center

CLYDE A. MONEYHUN, Ph.D. (Arizona), Director of Writing; also Assistant Professor, English.  
GILDA T. KELSEY, M.A. (Delaware), Assistant Director of Writing for the Writing Center; also Instructor, English.

## ALFRED LERNER COLLEGE OF BUSINESS AND ECONOMICS

### Office Of The Dean

MICHAEL J. GINZBERG, Ph.D. (MIT), Dean; also Chaplin Tyler Professor of Business.  
JACK BAROUDI, Ph.D. (NYU), Associate Dean; also Professor of Accounting and Management Information Systems.  
GLORIA Z. DIODATO, M.B.A. (Delaware), Assistant Dean.

### Accounting And Management Information Systems

E. KENT ST. PIERRE, Ph.D. (Washington), C.P.A., Professor and Chair: Financial accounting.  
JACK BAROUDI, Ph.D. (NYU), Professor; also, Associate Dean, College of Business Economics: Management information systems.  
JOSEPH A. BRADY, Ph.D. (Delaware), Instructor.  
DALE BUCKMASTER, Ph.D. (Penn State), C.P.A., Professor: Financial accounting.  
SPRING DAVIDSON, B.S. (Delaware), Instructor: Management information systems.  
ARAYA DEBESSAY, Ph.D. (Syracuse), C.P.A., C.M.A., C.I.A., Professor: Auditing and financial accounting.  
DORRIE DELUCA, Ph.D. (Temple), Assistant Professor: Management information systems.  
ANDREA EVERARD, Ph.D. (Pittsburgh), Assistant Professor: Management information systems.  
GUIDO GEERTS, Ph.D. (Free University of Brussels), Associate Professor: Information systems.  
JACKSON F. GILLESPIE, Ph.D. (Virginia Tech), C.M.A., Associate Professor: Management accounting.  
MICHAEL J. GINZBERG, Ph.D. (MIT), Professor; also Dean, College of Business Economics.  
THOMAS J. HOFFERD, Ph.D. (Central Florida), C.P.A., Assistant Professor: Information systems.  
DAVID S. JENKINS, Ph.D. (Maryland), C.P.A., Assistant Professor: Auditing and financial accounting.  
SCOTT K. JONES, Ph.D. (Drexel), Professor: Management accounting, entrepreneurship.  
GREGORY KANE, Ph.D. (Virginia Tech), C.P.A., Associate Professor: Financial accounting.  
RITA M. KINGERY, M.S., (California State), C.P.A., Instructor: Financial and managerial accounting.  
ELLEN F. MONK, M.B.A., (Delaware), Instructor: Information systems.  
ROBERT L. PARETTA, Ph.D. (Syracuse), C.P.A., Associate Professor: Financial accounting.  
NEAL A. PHILLIPS, J.D. (Villanova), LL.M. (Temple), Assistant Professor: Business law.  
SHELDON D. POLLACK, Ph.D. (Cornell), Professor: Business law.  
JANIS R. REEDER, Ph.D. (South Carolina), C.P.A., Associate Professor: Taxation.  
WINIFRED SCOTT, Ph.D. (Florida State), C.P.A., Assistant Professor: Financial accounting.  
MARK A. SERVA, Ph.D. (Texas), Assistant Professor: Information systems.  
MICHAEL G. VAN LEER, M.B.A. (Drexel), C.P.A., Instructor: Financial and managerial accounting.  
UMA VELURY, Ph.D. (South Carolina), Assistant Professor: Financial accounting.  
CLINTON E. WHITE, JR., D.B.A. (Indiana), Professor: Information systems and auditing.  
JOHN H. WRAGGE, Ph.D. (Houston), C.P.A., Associate Professor: Management accounting and information systems.

DIANE WRIGHT, M.B.A., (Delaware), C.P.A., Instructor; also Project Director for the MIS minor: Management information systems.

### Business Administration

JOHN E. SAWYER, Ph.D. (Illinois), Professor and Chair: Management  
 JOHN H. ANTIL, Ph.D. (Penn State), Associate Professor: Marketing  
 KARL F. AQUINO, Ph.D. (Northwestern), Associate Professor: Management  
 MARK BAMBACH, M.B.A. (LaSalle), Instructor: Marketing  
 THOMAS E. BECKER, Ph.D. (Ohio State), Associate Professor: Management  
 V. CARTER BROACH, Ph.D. (Michigan State), Instructor: Marketing  
 CENK CALISKAN, Ph.D. (S. California), Assistant Professor: Operations management  
 DARWIN J. DAVIS, Ph.D. (Indiana), Associate Professor: Operations management  
 YANCY EDWARDS, Ph.D. (Ohio), Assistant Professor: Marketing  
 DIANE L. FERRY, Ph.D. (Pennsylvania), Associate Professor; also Area Head for Management: Management  
 SANDRA M. FIELDS, M.B.A. (Radford), Instructor: Marketing  
 DANIEL FREEMAN, Ph.D. (Arizona), Assistant Professor: Marketing  
 MERYL P. GARDNER, Ph.D. (Carnegie-Mellon), Associate Professor: Marketing  
 HOWARD GARLAND, Ph.D. (Cornell), Chaplin Tyler Professor of Business: Management  
 WILLIAM V. GEHRLEIN, Ph.D. (Penn State), Professor: Operations management  
 VICTOR GIARDINI, M.S. (Drexel), Instructor: Management  
 MICHAEL J. GINZBERG, Ph.D. (MIT), Professor; also Dean, College of Business and Economics  
 JENNIFER GREGAN-PAXTON, Ph.D. (Minnesota), Assistant Professor: Marketing  
 ROBERT J. KENT, Ph.D. (Cincinnati), Associate Professor: Marketing  
 MARY C. KERNAN, Ph.D. (Akron), Associate Professor: Management  
 HEMANT KHER, Ph.D. (South Carolina), Assistant Professor: Operations management  
 JOHN L. KMETZ, D.B.A. (Maryland), Associate Professor: Management  
 YASEMIN KOR, Ph.D. (Illinois), Assistant Professor: Management  
 CHRISTINE T. KYDD, Ph.D. (Pennsylvania), Associate Professor: Operations management  
 NING LI, Ph.D. (Duke), Assistant Professor: Marketing  
 AJAY K. MANRAI, Ph.D. (Northwestern), Professor: Marketing  
 LALITA A. MANRAI, Ph.D. (Northwestern), Professor: Marketing  
 ROBERT MCNUTT, M.B.A. (Delaware), Instructor: Management  
 VILMOS MISANGYI, Ph.D. (Florida), Assistant Professor: Management  
 SUSAN MURPHY, M.B.A. (Baltimore), Instructor: Operations management  
 JOHN F. PREBLE, Ph.D. (Massachusetts), Associate Professor: Management  
 ERWIN M. SANIGA, Ph.D. (Penn State), Dana J. Johnson Professor; also Area Head for Operations Management: Operations  
 STEWART A. SHAPIRO, Ph.D. (Arizona), Associate Professor; also Area Head for Marketing: Marketing  
 DANIEL P. SULLIVAN, Ph.D. (South Carolina), Associate Professor: Management  
 SHARON WATSON, Ph.D. (South Carolina), Associate Professor: Management  
 GARY R. WEAVER, Ph.D. (Iowa & Penn State), Associate Professor: Management  
 RICHARD M. WEISS, Ph.D. (Cornell), Associate Professor: Management  
 W. SCOTT WYCOFF, Ph.D. (Delaware), Instructor: Management

### JOINT AND ADJUNCT APPOINTMENTS

Philosophy: DAVID W. HASLETT.

### Economics

SAUL D. HOFFMAN, Ph.D. (Michigan), Professor and Chair; also Professor, Women's Studies: Labor economics  
 MICHAEL A. ARNOLD, Ph.D. (California, Los Angeles), Associate Professor and Associate Chair: Microeconomics  
 KENNETH A. LEWIS, Ph.D. (Princeton), Chaplin Tyler Professor of Business and Associate Chair: Applied econometrics  
 BURTON A. ABRAMS, Ph.D. (Ohio State), Professor: Public choice  
 RICHARD J. AGNELLO, Ph.D. (Johns Hopkins), Associate Professor; also Associate Professor, College of Marine Studies: Econometrics  
 STACIE BECK, Ph.D. (Pennsylvania), Associate Professor: Monetary economics  
 DAVID E. BLACK, Ph.D. (M.I.T.), Associate Professor: Microeconomics  
 JAMES L. BUTKIEWICZ, Ph.D. (Virginia), Professor: Macroeconomics  
 ELEANOR D. CRAIG, M.A. (Pennsylvania), Associate Professor: Public finance  
 JOSEPH I. DANIEL, Ph.D. (Minnesota), Associate Professor; also Associate Professor, Legal Studies: Industrial organization  
 LAWRENCE P. DONNELLEY, Ph.D. (Brown), Associate Professor: International economics  
 EVANGELOS M. FALARIS, Ph.D. (Minnesota), Associate Professor: Development economics  
 FARLEY GRUBB, Ph.D. (Chicago), Professor; also Professor, History: Economic history  
 WILLIAM HARRIS, Ph.D. (Virginia Tech), Associate Professor: Microeconomics  
 KENNETH J. KOFORD, Ph.D. (California, Los Angeles), Professor; also Professor, Political Science, and Professor and Director, Legal Studies: Public choice, contract theory, industrial organization  
 WILLIAM R. LATHAM III, Ph.D. (Illinois), Associate Professor: Urban and regional economics  
 CHARLES R. LINK, Ph.D. (Wisconsin), MBNA America Professor of Business: Labor economics  
 JEFFREY B. MILLER, Ph.D. (Pennsylvania), Professor: Monetary economics  
 JAMES MULLIGAN, Ph.D. (Minnesota), Professor: Industrial organization  
 JAMES B. O'NEILL, Ph.D. (Purdue), Professor; also Director, Center for Economic Education and Entrepreneurship: Economic education  
 LAURENCE S. SEIDMAN, Ph.D. (California, Berkeley), Chaplin Tyler Professor of Business: Macroeconomics  
 RUSSELL F. SETTLE, Ph.D. (Wisconsin), Professor: Public finance  
 DAVID R. STOCKMAN, Ph.D. (University of Chicago), Assistant Professor: Macroeconomics  
 SIYAN WANG, Ph.D. (Southern California), Assistant Professor: Econometrics  
 RAVINDRA YATAWARA, Ph.D. (Columbia), Assistant Professor: International economics  
 JOHN S. YING, Ph.D. (California, Berkeley), Associate Professor: Industrial organization

### JOINT APPOINTMENTS

Finance: ROBERT L. SCHWEITZER.

Food and Resource Economics: CONRADO M. GEMPESAW, II.

Marine Studies: LEE G. ANDERSON, GEORGE R. PARSONS.

### Finance

M. ANDREW FIELDS, Ph.D. (Virginia Tech), Associate Professor and Chair: Corporate finance, corporate governance  
 THOMAS W. BATES, Ph.D. (Pittsburgh), Assistant Professor: Corporate finance, corporate governance

KENNETH BIEDERMAN, Ph.D. (Purdue), Professor: Corporate finance, investments.

HELEN M. BOWERS, Ph.D. (South Carolina), Associate Professor: Corporate finance, financial markets and institutions.

TERRY L. CAMPBELL, Ph.D. (Penn State), Assistant Professor: International finance, corporate finance, corporate governance.

JAY F. COUGHENOUR, Ph.D. (Arizona), Assistant Professor: Investments, financial markets, market microstructure.

TIMOTHY E. DETWILER, M.B.A. (Western Illinois), Instructor: Corporate finance.

CHARLES M. ELSON, J.D. (Virginia), Edgar S. Woolard, Jr. Chair in Corporate Governance; also Professor, Legal Studies, and Director, John L. Weinberg Center for Corporate Governance: Corporate law, corporate governance.

STUART GILLAN, Ph.D., (Texas), Assistant Professor: Corporate governance, institutional investors and capital markets.

JEFFREY H. HARRIS, Ph.D. (Ohio State), Associate Professor: Investments, financial markets, market microstructure.

PHYLLIS Y. KEYS, Ph.D. (Florida State), Assistant Professor: Corporate finance, corporate governance and restructurings.

BRECK L. ROBINSON, Ph.D. (Tennessee), Assistant Professor: Financial institutions.

ROBERT L. SCHWEITZER, Ph.D. (Duke), Professor: Financial markets and institutions.

RAJKUMAR S. VARMA, Ph.D. (Penn State), Professor: Corporate finance, corporate governance, raising capital.

## COLLEGE OF ENGINEERING

### Office of the Dean

ERIC W. KALER, Ph.D. (Minnesota), Dean; also Elizabeth Inez Kelly Professor, Chemical Engineering.

L. PAMELA COOK-IOANNIDES, Ph.D. (Cornell), Associate Dean; also Professor, Mathematical Sciences.

DICK J. WILKINS, Ph.D. (Oklahoma), Associate Dean; also Professor, Mechanical Engineering.

DAN L. BOULET, JR., M.S. (Air Force Institute of Technology), Assistant Dean, Undergraduate Affairs.

CHRISTINE E. COOK, M.Ed. (Delaware), Assistant Dean, Finance and Operations.

MICHAEL L. VAUGHAN, M.S. (North Carolina A&T), Assistant Dean, Student Affairs, and Director of the RISE Program.

KATHLEEN C. WERRELL, B.S. (Muhlenberg), Assistant Dean, Engineering Outreach.

MARIANNE JOHNSON, B.A. (Shaw), Program Manager, RISE.

DEIRDRE SMITH, M.C.E. (Delaware), Director of Development.

JOSEPH C. TANNER, B.S. (Penn State), Coordinator, Engineering Outreach.

### Air Force ROTC

JEFFREY W. WANDREY, M.S. (Dayton), Lieutenant Colonel, United States Air Force; Professor and Chair.

STEPHEN K. HORNISH, M.Ed. (Loyola), Major, United States Air Force; Assistant Professor.

MICHAEL G. PEPPER, M.Ed. (Wilmington College), Major, United States Air Force; Assistant Professor.

### Biomechanics And Movement Science

THOMAS S. BUCHANAN, Ph.D., (Northwestern), Academic Director; also Director of the Center for Biomedical Engineering Research, and Associate Professor, Mechanical Engineering: Musculoskeletal modelling, EMG-driven biomechanical models, neural control of arm postures, neuromuscular mechanisms of knee joint stability.

SUNIL AGRAWAL, Ph.D. (Northwestern), Associate Professor, Mechanical Engineering: Control of mechanical systems, robotics, optimization.

DAVID A. BARLOW, Ph.D. (Indiana), Associate Professor, Health and Exercise Sciences: Sport biomechanics, equine biomechanics, anatomy.

KENNETH E. BARNER, Ph.D. (Delaware), Associate Professor, Electrical and Computer Engineering: Signal and image processing in human movement and human-computer interaction systems.

STUART A. BINDER-MACLEOD, Ph.D., P.T. (Medical College of Virginia), Professor and Chair, Physical Therapy: Neurophysiology, relationship between activation frequency and force output of skeletal muscle, muscle fatigue.

JUN DING, Ph.D. (University of Delaware), Research Scientist, Physical Therapy: mathematical modeling of muscle force and fatigue, identify optimal activation scheme for functional electrical stimulation.

WILLIAM FARQUHAR, Ph.D. (Pennsylvania State University), Assistant Professor, Exercise Sciences: Integrative/exercise physiology of the cardiovascular system, Fluid-regulatory control mechanisms and autonomic reflexes with application to hypertension.

JAMES C. GALLOWAY, Ph.D., P.T. (Arizona), Assistant Professor, Physical Therapy: Development of infant motor behaviors, neuro-motor control of normal and dysfunctional arm behaviors, interlimb control in musicians.

NANCY GETCHELL, Ph.D. (Wisconsin), Assistant Professor, Health and Exercise Science: Development of interlimb coordination and motor control in multilimb tasks.

SUSAN J. HALL, Ph.D. (Washington State), Professor and Chair, Health and Exercise Sciences: Lumbar spine biomechanics, exercise efficacy, sport biomechanics.

SLOBODAN JARIC, Ph.D. (University of Belgrade), Associate Professor, Exercise Sciences: motor control and biomechanics of human movements; relationship among muscle strength, functional movement performance, and body size; coordination of the hand grip-force with external forces, movement variability; relationship between visually perceived external space, movement planning and programming.

MICHAEL KEEFE, Ph.D. (Minnesota), Associate Professor, Mechanical Engineering: Geometric modeling of complex biological surfaces.

CHRISTOPHER A. KNIGHT, Ph.D. (Massachusetts), Assistant Professor, Health and Exercise Sciences: Motor unit discharge behavior as it relates to the control of muscular force, the aging neuromuscular system.

KURT MANAL, Ph.D. (University of Delaware), Research Scientist, Mechanical Engineering: musculoskeletal modeling; biomechanical analysis of assisted technology; motion analysis.

IRENE S. McCLAY, Ph.D., P.T. (Penn State), Associate Professor, Physical Therapy: Biomechanics, lower extremity mechanics, injury, locomotion, treatment, intervention.

FREEMAN MILLER, M.D. (Colorado), Department of Orthopedics, A.I. duPont Institute: Pediatric biomechanics, birthing injury analysis, gait analysis of children with cerebral palsy.

CHRIS MODLESKY, Ph.D. (University of Georgia): Assistant Professor, Nutrition & Dietetics: human cardiovascular physiology; potential interaction of fluid-regulatory control mechanisms and autonomic reflexes related to human hypertension; venous compliance and orthostatic tolerance.

JOHN E. NOVOTNY, Ph.D. (Vermont), Assistant Professor, Department of Mechanical Engineering: Orthopaedic biomechanics: shoulder and spine, kinematic and material testing and analytical modeling; tissue mechanics: analysis of mechanical behavior of ligaments, tendon and cartilage, study of the effects of injury and healing.



JAMES G. RICHARDS, Ph.D. (Indiana), Professor, Health and Exercise Sciences: Device design and gross musculoskeletal modeling, gait analysis, sport biomechanics.

TODD ROYER, Ph.D. (Arizona State), Assistant Professor, Health and Exercise Sciences: Biomechanics and energetics of gait.

KATHERINE S. RUDOLPH, Ph.D., P.T. (Delaware), Assistant Professor, Physical Therapy: Automated movement analysis, electromyography, neuromuscular control of the knee.

MICHAEL H. SANTARE, Ph.D. (Northwestern), Associate Professor, Mechanical Engineering: Fracture mechanics, continuum mechanics, composite structures, orthopedic biomechanics.

JOHN P. SCHOLZ, Ph.D., P.T. (Connecticut), Associate Professor, Physical Therapy: Movement coordination, movement disorders, regulation of limb stiffness.

LYNN SNYDER-MACKLER, P.T., Sc.D. (Boston University), Professor, Physical Therapy: Neuromuscular physiology, applied anatomy, anterior cruciate ligament injury.

JIAN-QIAO SUN, Ph.D. (Berkeley), Associate Professor, Mechanical Engineering: Suppression of abnormal tremor, stability of human movement.

### Bioengineering

KENNETH E. BARNER, Ph.D. (Delaware), Assistant Professor of Electrical and Computer Engineering: Biomedical engineering, biological signal processing, human-computer interaction.

THOMAS S. BUCHANAN, Ph.D. (Northwestern), Associate Professor of Mechanical Engineering; also Director of the Center for Biomedical Engineering Research, and Director of the Biomechanics and Movement Science Program.

PRASAD S. DHURJATI, Ph.D. (Purdue), Professor of Chemical Engineering: Biosystems modeling, bioprocess engineering.

JEREMY S. EDWARDS, Ph.D. (California at San Diego), Assistant Professor of Chemical Engineering: Metabolic engineering and biotechnology.

JOHN G. ELIAS, Ph.D. (Yale), Professor of Electrical and Computer Engineering: Neural networks, neural computation, parallel and distributed processors.

JOHN E. NOVOTNY, Ph.D. (Vermont), Assistant Professor: Orthopaedic biomechanics, tissue mechanics, mathematical modeling.

ABRAHAM M. LENHOFF, Ph.D. (Wisconsin), Professor of Chemical Engineering: Bioengineering, transport phenomena.

BABATUNDE A. OGUNNAIKE, Ph.D. (Wisconsin), Professor of Chemical Engineering: Process control, modeling and simulation, product and process engineering.

CHRISTOPHER J. ROBERTS, Ph.D. (Princeton), Assistant Professor of Chemical Engineering: protein stabilization; biopharmaceutical engineering.

ANNE SKAJA ROBINSON, Ph.D. (Illinois), Assistant Professor of Chemical Engineering: Molecular and cellular engineering, protein folding and production.

MICHAEL H. SANTARE, Ph.D. (Northwestern), Associate Professor of Mechanical Engineering: Orthopedic biomechanics, mechanics of soft tissues.

### Chemical Engineering

MARK A. BARTEAU, Ph.D. (Stanford), Chair and Robert L. Pigford Professor; also Professor, Chemistry and Biochemistry: Surface science and catalysis on metals and metal oxides, spectroscopic characterization of surfaces and catalysts.

ANTONY N. BERIS, Ph.D. (M.I.T.), Professor: Computational fluid mechanics, particularly of viscoelastic materials and free surface flows, numerical analysis on supercomputers and parallel computers, polymer processing.

DOUGLAS J. BUTTREY, Ph.D. (Purdue), Associate Professor: Synthesis, crystal growth, and characterization of materials for applications in superconductivity, catalysis and fast ion conduction.

JINGGUANG G. CHEN, Ph.D. (Pittsburgh), Professor: Surface and interface, nanostructured devices and sensors, environmental catalysis.

COSTEL D. DENSON, Ph.D. (Utah), Professor: Polymer processing and rheology, mixing, mass transfer, chemical reactions.

PRASAD DHURJATI, Ph.D. (Purdue), Professor: Biochemical engineering, process control, artificial intelligence.

JEREMY S. EDWARDS, Ph.D. (California at San Diego), Assistant Professor: Quantitative analysis of cellular processes, metabolic engineering and biotechnology, bioinformatics and genomics, genomic systems engineering, biological systems evolution.

ERIC M. FURST, Ph.D. (Stanford), Assistant Professor, Complex fluids, cellular biophysics, colloidal science, microrheology, interfacial phenomena.

ERIC W. KALER, Ph.D. (Minnesota), Elizabeth Inez Kelley Professor; also Dean, College of Engineering: Colloid and surfactant science, complex fluid thermodynamics, materials synthesis, small-angle scattering.

JOCHEN A. LAUTERBACH, Ph.D. (Free University of Berlin), Associate Professor: Development and application of spectroscopic techniques for study of surface processes, high-throughput catalysis, fabrication of conducting polymer nanofilms, non-linear dynamics of heterogeneously catalyzed reactions, time-resolved IR spectroscopy of supported catalysts.

ABRAHAM M. LENHOFF, Ph.D. (Wisconsin), Professor: Transport phenomena, separation processes, biophysics and bioengineering.

RAUL F. LOBO, Ph.D. (California Institute of Technology), Associate Professor: Inorganic materials synthesis and characterization, catalysis and kinetics, and adsorption and separations.

BABATUNDE A. OGUNNAIKE, Ph.D. (Wisconsin), Professor: Process control, modeling and simulation; nonlinear process identification; controlled reactive extrusion; systems biology; product and process engineering; applied statistics.

CHRISTOPHER J. ROBERTS, Ph.D. (Princeton), Assistant Professor: Kinetics and statistical thermodynamics of liquids, amorphous solids, and proteins; stability prediction, design, and preservation of labile organic molecules in glasses; kinetics and thermodynamics of protein degradation; prediction of physical and chemical stability of proteins.

ANNE SKAJA ROBINSON, Ph.D. (Illinois), Associate Professor: Molecular and cellular engineering for improved protein production.

T.W. FRASER RUSSELL, P.E., Ph.D. (Delaware), Allan P. Colburn Professor: Semiconductor reaction and reactor engineering, photovoltaic unit operations, multi-phase fluid mechanics.

STANLEY I. SANDLER, Ph.D. (Minnesota), Henry Belin du Pont Professor; also Director, Center for Molecular and Engineering Thermodynamics and Henry Belin du Pont Professor of Chemistry and Biochemistry: Thermodynamics, statistical mechanics and liquid-state theory phase equilibria, separations processes, biochemical processes.

ANNETTE D. SHINE, P.E., Ph.D. (M.I.T.), Associate Professor: Polymer and composite rheology and processing, polymer degradation.

DIONISIOS G. VLACHOS, Ph.D. (Minnesota), Professor: Reacting flows, catalytic combustion, partial oxidation, surface chemistry, thin films, nonophasic materials, membranes, nucleation, growth, multiscale modeling, bifurcation theory.

NORMAN J. WAGNER, Ph.D. (Princeton), Professor: Rheology of colloidal dispersions, nanoparticles, surfactant, biopolymer and polymer solutions, and structured polymers and polymer blends; nonequilibrium statistical mechanics and thermodynamics of complex fluids; molecular mechanics of diffusion in nanostructured materials.

BRIAN G. WILLIS, Ph.D. (MIT) Assistant Professor: Experimental and computational chemistry investigations of chemical processes related to electronic materials, including silicon and compound semiconductors.

RICHARD P. WOOL, Ph.D. (Utah), Professor: Polymer physics, interfaces, composites, dynamics, fracture, biodegradation, materials science.

#### JOINT AND ADJUNCT APPOINTMENTS

Adjunct Faculty: ROBERT BUTERA, DOUGLAS J. DOREN, WILLIAM E. FARNETH, ROBERT K. GRASSELLI, KRISTI L. KIICK, STEVEN R. LUSTIG, JAMES E. LYONS, WILLIAM H. MANOGUE, JOHN R. RICHARDS, CLIFFORD R. ROBINSON, MARK R. SCHURE, JAMES S. SCHWABER, KLAUS H. THEOPOLD, JEAN-FRANCOIS TOMB, KURT F. WISSBRUN.

Off-Campus Faculty: ARTHUR W. ETCHHELLS, JAMES J. GRANT, RICHARD K. GRENVILLE, ALLAN E. JONES, RICHARD K. LaROUCHE, KENNETH L. MULHOLLAND, DAVID SHORT, JAMES N. TILTON, ALAN E. UEBLER.

### Civil And Environmental Engineering

MICHAEL J. CHAJES, P.E., Ph.D. (California, Davis), Professor and Chair: Structural design and analysis, infrastructure evaluation and rehabilitation.

HERBERT E. ALLEN, Ph.D. (Michigan), Professor; also Director: Center for the Studies of Metals in the Environment; Water and sediment chemistry, heavy metal pollution.

NII O. ATTOH-OKINE, Ph.D. (Kansas), Associate Professor: Pavement analysis and design, pavement performance modeling, statistical methods in pavement engineering, civil infrastructure systems.

BAIDURYA BHATTACHARYA, Ph.D. (Johns Hopkins), Assistant Professor: Probability mechanics, probability-based modeling and design, structural deterioration and reliability.

DANIEL KUHYN CHA, Ph.D. (California, Berkeley), Associate Professor: Process control of biological wastewater treatment facilities, biotransformation of organic and inorganic toxic pollutants, bioenvironmental engineering.

PEI CHIU, Ph.D. (Stanford), Associate Professor: Environmental redox chemistry, halogenated organic pollutants.

STEVEN K. DENTEL, P.E., Ph.D. (Cornell), Professor: Application of colloid and interface science to water and wastewater treatment processes.

DOMINIC M. DITORO, Ph.D. (Princeton), Distinguished Professor: Development and application of mathematical and statistical analyses to stream, lake, estuarine, and coastal water quality and sediment problems and water quality modeling.

ARDESHIR FAGHRI, Ph.D. (Virginia), Professor; also Director, Center for Transportation Studies: Traffic analysis, highway design.

JOHN W. GILLESPIE, JR., Ph.D. (Delaware), Professor; also Professor, Materials Science and Engineering and Director, Center for Composite Materials: Composite materials, experimental mechanics, fracture mechanics, residual stress analysis joining.

CHIN P. HUANG, P.E., Ph.D. (Harvard), Distinguished Professor; also Professor, Marine Studies: Industrial waste management, interfacial phenomena, aquatic chemistry and soil remediation.

PAUL T. IMHOFF, P.E., Ph.D. (Princeton), Associate Professor: Groundwater hydrology, transport, mass transfer processes.

VICTOR N. KALIAKIN, Ph.D. (California, Davis), Associate Professor: Computational mechanics, structural mechanics, geomechanics.

ARNOLD D. KERR, Ph.D. (Northwestern), Professor: Engineering mechanics, structural analyses, ice engineering, and railroad engineering.

SHINYA KIKUCHI, Ph.D. (Pennsylvania), Professor: Transportation engineering, urban transportation systems, logistics, operations research.

JAMES T. KIRBY, Ph.D. (Delaware), E.C. Davis Professor; also Professor, Marine Studies: Ocean and coastal engineering.

NOBUHISA KOBAYASHI, Ph.D. (M.I.T.), Professor; also Professor, Marine Studies; also Director, Center for Applied Coastal Research: Coastal engineering, coastal structures, sediment transport mechanics.

DOV LESHCHINSKY, P.E., Ph.D. (Illinois), Professor: Soil mechanics, geotechnical engineering.

DENNIS R. MERTZ, Ph.D. (Lehigh), Professor; also Director, Center for Innovative Bridge Engineering: Structural design, fatigue and fracture, design methodologies.

HARRY W. SHENTON, Ph.D. (Johns Hopkins), Associate Professor: Structural dynamics, earthquake and wind engineering, civil structural control, experimental methods.

IB A. SVENDSEN, Ph.D. (Technical University, Denmark), Distinguished Professor; also Professor, Marine Studies: Coastal engineering, wave mechanics, hydrodynamics, ship maneuvering.

JERRY YAMAMURO, Ph.D. (California, Los Angeles), Associate Professor: Experimental and theoretical mechanics, constitutive modeling, soil instability and liquefaction, nondestructive testing of fiber reinforced concrete, behavior and modeling of polymer extrusion process.

#### JOINT AND ADJUNCT APPOINTMENTS

Bioresources Engineering: CARMINE BALASCIO, WILLIAM F. RITTER.

Marine Studies: MOHSEN BADIEY, GEORGE W. LUTHER, III.

Mathematical Sciences: ROBERT P. GILBERT, ROBERT M. STARK.

Plant and Soil Sciences: DONALD L. SPARKS, YAN JIN.

Adjunct Appointments: P.C. CHIANG, J. DIMAGGIO, J. DUFFIELD, DRISS OUAZAR.

### Electrical And Computer Engineering

GONZALO R. ARCE, Ph.D. (Purdue), Charles Black Evans Professor and Chair; also Professor, Marine Studies: Communications theory, image processing and coding, signal processing, pattern recognition.

KENNETH E. BARNER, Ph.D. (Delaware), Associate Professor: Signal, image, biomedical, and robust signal processing, nonlinear systems, communications and human-computer interaction.

STEPHAN BOHACEK, Ph.D. (Southern California), Assistant Professor: Congestion control, routing, internet security and pricing, ad hoc networks, control theory, biomedical modeling.

CHARLES G. BONCELET, Ph.D. (Princeton), Professor: Signal processing, control theory, digital communications, complexity theory.

LEONARD J. CIMINI, JR., Ph.D. (Pennsylvania), Professor: High-bit-rate wireless communications, sensor networks, resource management, radar imaging.

JOHN G. ELIAS, Ph.D. (Yale), Professor: Parallel and distributed processor systems, computer architecture, neural networks, and neurocomputation.

GUANG-RONG GAO, Ph.D. (M.I.T.), Professor: Computer architecture, parallel and distributed systems, VLSI and application-specific system design.

JAVIER GARCIA-FRIAS, Ph.D. (California, Los Angeles), Associate Professor: Wireless communications, joint source coding, interactive decoding, codes on graphs.

KEITH W. GOOSSEN, Ph.D. (Princeton), Associate Professor: Optoelectronics, microwave propagation in electronic packaging, optical fiber communication technology for advanced sensors.

MICHAEL H. HANEY, Ph.D. (California Institute of Technology), Professor: Application of photonic technologies to new computing, switching, and signal processing systems.

ROBERT G. HUNSPERGER, Ph.D. (Cornell), Professor: Semiconductor devices and materials, optoelectronics, optical integrated circuits, microwave devices.



CHARLES S. IH, Ph.D. (Pennsylvania), Professor; also Professor, Marine Studies: Electrooptical systems, applications of lasers and holography, input-output devices, coherent imaging systems.

FOUAD KIAMILEV, Ph.D. (California at San Diego), Professor: Design and test of high-performance digital and analog CMOS and BiCMOS VLSI circuits, optoelectronic integrated circuits, optoelectronic VLSI.

JAMES KOLODZHEY, Ph.D. (Princeton), Professor: Optoelectronic materials and devices, molecular beam epitaxy, high-frequency measurements.

DAVID L. MILLS, Ph.D. (Michigan), Professor: Computer networking architecture and protocol design, multimedia message systems.

JOHNSON O. OLOWOLAFE, Ph.D. (California Institute of Technology), Associate Professor: Physics and technology of semiconductor devices/materials including processing, characterization analyses and integration, metallization for ULSI.

BALAJI PANCHAPAKESAN, Ph.D. (Maryland), Assistant Professor: Micro- and nano-electromechanical systems (MEMS), nanoscale material synthesis, nanowire chemical sensors, high temperature MEMS, and molecular electronic devices.

DENNIS W. PRATHER, Ph.D. (Maryland), Associate Professor: Numerical electromagnetic modeling of passive and active optical devices, diffractive and holographic optics, micro-optical processing systems, and optical communications.

DANIEL S. WEILE, Ph.D. (Illinois), Assistant Professor: Computational electromagnetics (especially time-domain integral equation based methods), periodic structures, and evolutionary optimization.

XIANG-GEN XIA, Ph.D. (Southern California), Professor: Wireless communications, error control coding and trellis coded modulations, multirate filterbanks and wavelet transforms, time-frequency analysis and synthesis.

#### JOINT AND ADJUNCT APPOINTMENTS

Computer and Information Sciences: PAUL D. AMER, ADARSHPAL S. SETHI.

Marine Studies: VICTOR V. KLEMAS.

Mathematical Sciences: M. ZUHAIR NASHED.

Adjunct Faculty: ALLEN M. BARNETT, MICHAEL J. PIOVOSO.

### Materials Science And Engineering

JOHN F. RABOLT, Ph.D. (Southern Illinois), Karl W. and Renate Böer Professor and Chair: Macromolecular assemblies, spectroscopy, thin organic films, biomolecular materials, polymer physics, self-assembled monolayers (SAMs).

MARY E. GALVIN-DONOGHUE, Sc.D. (MIT), Professor: Electroluminescent polymers, polymer synthesis, polymer blends, inorganic/organic nanocomposites.

JOHN W. GILLESPIE, JR., Ph.D. (Delaware), Professor; also Professor, Civil and Environmental Engineering and Director, Center for Composite Materials: Materials, processing and performance of multifunctional composites.

KRISTI L. KIICK, Ph.D. (Massachusetts), Assistant Professor: Biomaterials, biopolymers, protein engineering, molecular recognition, controlled release, artificial glycoproteins.

ROBERT L. OPILA, Ph.D. (Chicago), Professor: Electronic materials, photonic materials, materials interfaces, electron spectroscopies.

DARRIN J. POCHAN, Ph.D. (Massachusetts), Assistant Professor: Polymer physics, morphology, biopolymer self-assembly, thin films.

S. ISMAT SHAH, Ph.D. (Illinois, Urbana-Champaign), Associate Professor; also Associate Professor, Physics and Astronomy: Thin films, surface and interface, nanostructured materials, composites.

#### JOINT AND ADJUNCT APPOINTMENTS

Chemical Engineering: DOUGLAS J. BUTTREY.

Marine Studies: STEPHEN C. DEXTER.

Mechanical Engineering: TSU-WEI CHOU, IAN W. HALL, AZAR

PARVIZI-MAJIDI.

Adjunct Faculty: ROBERT W. BIRKMIRE, BRUCE FINK, ROBERT K. GRASSELLI, RICHARD IKEDA.

Off-Campus Faculty: D. BRUCE CHASE, ALAN ENGLISH, PRATIBHA GAI, MARK NELSON, MING ZHENG.

### Mechanical Engineering

TSU-WEI CHOU, Ph.D. (Stanford), P.S. duPont Chair of Engineering; also Chair, Mechanical Engineering Department: Composite materials, nanomaterials, fracture of solids and applied mechanics.

MICHAEL KEEFE, Ph.D. (Minnesota), Associate Chair for Undergraduate Education; also Associate Professor: Computer-aided design, mechanical design, system modeling and rapid tooling.

SURESH G. ADVANI, Ph.D. (Illinois, Urbana-Champaign), Professor: Computational fluid mechanics and heat transfer, polymer and composites processing, transport phenomena in manufacturing processes, non-Newtonian fluid mechanics and rheology.

SUNIL K. AGRAWAL, Ph.D. (Stanford), Professor: Control of mechanical systems, robotics, optimization.

THOMAS S. BUCHANAN, Ph.D. (Northwestern), Professor: Musculoskeletal biomechanics, neural control of movement, medical imaging.

MICHAEL D. GREENBERG, Ph.D. (Cornell), Professor: Applied mathematics, fluid mechanics.

IAN W. HALL, Ph.D. (Leeds), Associate Professor: Metal matrix composites, electron microscopy, materials science, metallurgy.

ANETTE M. KARLSSON, Ph.D. (Rutgers University), Assistant Professor: Applied mechanics, solid mechanics, mechanics of films, coating and layered structures, non-linear mechanics, computational mechanics.

JOHN E. NOVOTNY, Ph.D. (Vermont), Assistant Professor: Orthopaedic biomechanics, tissue mechanics, mathematical modeling.

AZAR PARVIZI-MAJIDI, Ph.D. (Surrey), Associate Professor: Fracture and failure of composites, ceramic matrix composites, experimental methods, corrosion.

AJAY K. PRASAD, Ph.D. (Stanford), Associate Professor: Particle imaging techniques for fluid mechanics and heat transfer, vortex dynamics, entrainment in heated jets, mixing studies.

R. VALERY ROY, Ph.D. (Rice), Associate Professor: Nonlinear stochastic and deterministic dynamics, chaotic dynamics, vibrations, numerical analysis, applied mathematics.

MICHAEL H. SANTARE, Ph.D. (Northwestern), Associate Professor: Fracture mechanics, continuum mechanics, composite structures, orthopedic biomechanics.

KAUSIK SARKAR, Ph.D. (Johns Hopkins), Assistant Professor: Computational fluid mechanics and heat transfer, multiphase flow, bubble/drop dynamics, numerical methods, non-Newtonian fluid mechanics, applied mathematics.

LEONARD W. SCHWARTZ, Ph.D. (Stanford), Professor; also Professor, Mathematical Sciences: Fluid mechanics, multiphase flow, applied mathematics.

LIAN-QIAO SUN, Ph.D. (California, Berkeley), Professor: Nonlinear dynamics, nonlinear control, smart materials, vibration and noise control, manufacturing process control.

ANDRAS Z. SZERI, Ph.D. (Leeds), Robert L. Spencer Professor: Applied mechanics, fluid mechanics, tribology.

JACK R. VINSON, Ph.D. (Pennsylvania), H. Fletcher Brown Professor; also H. Fletcher Brown Professor, Marine Studies: Structural mechanics, anisotropic composite materials, plate and shell theory, structural optimization, aerospace structures, sandwich structures.

HAI WANG, Ph.D. (Penn State), Associate Professor: Combustion, combustion-generated pollutants, high-temperature chemical kinetics.

LIAN-PING WANG, Ph.D. (Washington State), Associate Professor: Computational fluid dynamics, turbulence, multiphase flow, particulate processing.

DICK J. WILKINS, Ph.D. (Oklahoma), Professor, also Associate Dean, College of Engineering: Learning, design integration, composites durability and damage tolerance.

**JOINT AND ADJUNCT APPOINTMENTS**

Bioresources Engineering: JAMES L. GLANCEY.

Marine Studies: PABLO HUQ.

Adjunct Faculty: STEPHEN C. DANFORTH, RICHARD ELEY, EDWARD P. GARGIULO, GEORGE GAZONAS, ROGER V. GONZALEZ, WOJCIECH GRABOWSKI, FABIAN MAUSS, FREEMAN MILLER.

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**COLLEGE OF HEALTH AND NURSING SCIENCES**

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**Office Of The Dean**

BETTY J. PAULANKA, Ed.D. (Temple), Dean and Professor.

PAMELA B. BEEMAN, Ph.D. (Pennsylvania), Associate Dean and Associate Professor.

SUZANNE B. CLARK, M.Ed. (Delaware), Assistant Dean for Student Services.

J. ROBIN BUCCOS, B.S. (Shippensburg), Administrative Coordinator.

JULIA R. COLLINS, B.S. Ed. (Delaware), Administrative Academic Advisor.

AMY L. TAYLOR, M.B.A. (Delaware), Business Manager.

**Health, Nutrition, And Exercise Sciences**

SUSAN J. HALL, Ph.D. (Washington State), Professor and Chair: Biomechanics.

AVRON ABRAHAM, Ph.D. (Connecticut), Associate Professor: Exercise physiology and health fitness.

LETA P. ALJADIR, M.S. (Drexel), Associate Professor: Maternal and fetal nutrition, metabolic effects of dietary fiber, computer-based nutrition education.

DAVID A. BARLOW, Ph.D. (Indiana), Associate Professor: Biomechanical aspects of sport science/medicine.

JANICE BIBIK, Ph.D. (Syracuse), Associate Professor: Teaching and curriculum.

JEROME D. BROWN, Jr., M.S. (Delaware), Instructor: Health education.

JOAN COUCH, M.S., A.T.C. (U.S. Sport Academy), Assistant Professor: Athletic training.

NANCY COTUGNA, Dr.PH. (Loma Linda), Professor: Dietetics education, community/public health nutrition, cancer risk reduction.

KAREN F. EDWARDS, Ed.D. (Temple), Associate Professor: Health education.

MARIE T. FANELLI-KUCZMARSKI, Ph.D. (Rutgers), Professor: Gerontological nutrition, nutritional assessment methods.

CHENG-SHUN FANG, Ph.D. (Nebraska), Associate Professor: Lipid metabolism, dietary fiber and diseases, nutritional assessment.

WILLIAM B. FARQUHAR, Ph.D. (Penn State), Assistant Professor: Exercise physiology.

NANCY GETCHELL, Ph.D. (Wisconsin-Madison), Assistant Professor: Motor development.

STEPHEN C. GOODWIN, Ph.D. (Penn State), Associate Professor: Health education.

CHARLENE HAMILTON, Ph.D., R.D. (Massachusetts), Professor: Computer applications, attitudinal measurements.

KEITH HANDLING, M.S., P.T., A.T.C. (West Chester), Associate Professor: Athletic training.

MICHAEL HIGGINS, M.Ed., A.T.C. (Virginia), Assistant Professor: Athletic training.

DAVID HUDSON, MPT (Delaware), Instructor: Biomechanics.

SLOBODAN JARIC, Ph.D. (University of Belgrade), Associate Professor: Motor control.

JAMES W. KENT, Ph.D. (Iowa), Associate Professor: Curriculum/pedagogical techniques in physical education.

CHRISTOPHER A. KNIGHT, Ph.D. (Massachusetts), Assistant Professor: Motor control.

ELIZABETH M. LIEUX, Ph.D. (Virginia Tech), Associate Professor: Labor productivity, total quality management, management styles, educational strategies.

RON E. LUDINGTON, Director, Ice Skating Science Development Center.

CAROLYN K. MANNING, M.Ag. (Florida), Associate Professor: Food safety education, child nutrition, food service systems, productivity.

CHRISTOPHER MODLESKY, Ph.D. (Georgia), Assistant Professor: Exercise physiology, nutrition, bone.

ROBERT E. NEEVES, Ph.D. (Utah), Professor: Exercise physiology.

JOHN J. O'NEILL, M.Ed. (Delaware), Assistant Professor; also Co-Director, Ice Skating Science Development Center.

ELIZABETH ORSEGA-SMITH, Ph.D. (Penn State), Assistant Professor: Community health.

P. MICHAEL PETERSON, Ed.D. (Kentucky), Associate Professor: Health education.

MICHELLE A. PROVOST-CRAIG, Ph.D. (Maryland), Associate Professor: Exercise physiology, cardiac rehabilitation.

JAMES G. RICHARDS, Ph.D. (Indiana), Professor: Applied biomechanics.

MATTHEW J. ROBINSON, Ed.D. (Temple), Assistant Professor: Sport management.

TODD ROYER, Ph.D. (Arizona State), Assistant Professor: Biomechanics.

JEFF SCHNEIDER, M.S., A.T.C. (Delaware), Instructor: Strength training and conditioning.

JOHN SCHUSTER, M.S. (Eastern Illinois), Instructor: Aquatics.

KELEBOGILE V. SETILOANE, Ph.D. (Tufts University), Assistant Professor: Under-nutrition in children of urban and developing countries.

JACK L. SMITH, Ph.D. (Cincinnati), Professor: Nutritional assessment, nutrition education for health professionals, iron nutriture.

JANET A. SMITH, Ed.D. (Delaware), Associate Professor: Teacher education, cooperating teachers.

JOHN SMITH, M.S., A.T.C. (West Virginia), Instructor: Athletic training.

ROGER J. SPACHT, R.Ed. (Indiana), Associate Director, Recreation and Intramurals: Outdoor recreation, adventure, and challenge education, outdoor education, recreation administration.

CONNIE E. VICKERY, Ph.D. (Virginia Tech), Professor: Clinical dietetics education, nutrition education, nutrition counseling, nutrition and the elderly.

D. ALLAN WATERFIELD, Ph.D. (Ohio State), Professor: Exercise physiology.

**JOINT APPOINTMENTS**

Intercollegiate Athletics: MELISSA CRUCE, GARRETT GIANI, MIKE KING, LOREN E. KLINE

Animal and Food Sciences: O. SUE SNIDER

**Medical Technology**

ANNA P. CIULLA, M.C.C. (Hahnemann), Associate Professor and Chair: Clinical chemistry.

MARGARET R. BRABENDER, B.S. (Belmont), Laboratory Coordinator: Phlebotomy, urinalysis, virology, immunology.

KAREN R. BRINKER, B.S. (Delaware), Instructor: Clinical chemistry.

DEBORAH COSTA, B.S. (Delaware), Instructor: Phlebotomy, clinical chemistry, clinical practicums.

DONALD C. LEHMAN, Ed.D. (Delaware), Assistant Professor: Medical microbiology, computers, statistics, immunology, virology.

RAELENE E. MASER, Ph.D. (Pittsburgh), Associate Professor:  
Diabetic complications, neuropathy, epidemiology, hematology.  
MARY ANN McLANE, Ph.D. (Temple), Associate Professor: Integrin-  
ligand interactions, clinical chemistry.  
MARY BETH MIELE, Ph.D. (Penn State), Associate Professor:  
Melanoma, cancer metastasis, immunodiagnostics, microbiology.  
MARK L. MITCHELL, M.D. (University of Michigan Medical  
School), Adjunct Associate Professor and Medical Director:  
Anatomic and clinical pathology, molecular biology.  
KATHLEEN STARK, B.S. (Delaware), Laboratory Coordinator:  
Medical microbiology, mycology.

### **Nursing**

LISA ANN PLOWFIELD, Ph.D. (Virginia), Associate Professor and  
Chair: Trauma, critical care.  
PAMELA BEEMAN, Ph.D. (Pennsylvania), Associate Professor; also  
Associate Dean, College of Health and Nursing Sciences:  
Maternal/child health  
MARGARET L. BIRNEY, Ph.D. (Wayne State), Associate Professor:  
Cardiopulmonary nursing  
LINDA BUCHER, D.N.Sc. (Widener), Associate Professor: Medical-  
surgical nursing, critical care  
CHRISTINE CALAMARO, M.S.N. (Pittsburgh), Instructor: Family  
nurse practitioner  
CHRISTINE A. CANNON, Ph.D. (Delaware), Associate Professor:  
Medical nursing  
SHELIA CUSHING, M.S. (Maryland), Assistant Professor: Medical-  
surgical nursing  
MARGARET B. DADA, M.S.N. (Pennsylvania), Instructor: Pediatrics.  
CYNTHIA DIEFENBECK, M.S.N. (Pennsylvania), Instructor:  
Psychiatric nursing  
PATRICIA DRAKE, M.S.N. (Delaware), Instructor: Maternal/child  
health.  
PATRICIA G. GRIM, Assistant to the Chair.  
BETHANY HALL-LONG, Ph.D. (George Mason), Associate  
Professor: Community health.  
THOMAS L. HARDIE, Ed.D. (Columbia), Associate Professor:  
Psychiatric nursing  
EVELYN R. HAYES, Ph.D. (Boston University), Professor: Public  
health and family nurse practitioner.  
JUDY HENDRICKS, M.S. (Delaware), Assistant Professor: Adult  
health nurse practitioner.  
JUDITH W. HERRMAN, Ph.D.(c) (Delaware), Instructor:  
Maternal/child health.  
AMY JOHNSON, D.N.Sc. (Catholic), Assistant Professor: Nursing of  
children.  
PAULA R. KLEMM, D.N.Sc. (Catholic University of America),  
Associate Professor: Oncology.  
MADELINE LAMBRECHT, Ed.D. (Temple), Professor; also Director,  
Division of Special Programs: Psychiatric and mental health nursing.  
SUSAN J. LOEB, Ph.D. (Penn State), Assistant Professor: Community  
health.  
LISA McBETH-SNYDER, M.S.N. (California), Instructor:  
Maternal/child health.  
CAROL KERRIGAN MOORE, M.S. (Pace), Instructor: Family nurse  
practitioner.  
BETTY J. PAULANKA, Ed.D. (Temple), Professor and Dean, College  
of Health and Nursing Sciences: Psychiatric and mental health  
nursing.  
CAROLEE POLEK, Ph.D. (Temple), Assistant Professor: Medical-  
surgical nursing.  
LARRY PURNELL, Ph.D. (Columbia Pacific), Professor: Health  
services administration, transcultural health care.  
JEAN E. RAYMOND, M.S. (Delaware), Instructor: Gerontology.

CHRISTINE REILLY, Ph.D. (California School of Professional  
Psychology), Associate Professor: Psychiatric nursing.  
KATHLEEN A. SCHELL, D.N.Sc. (Widener), Assistant Professor:  
Cardiopulmonary nursing, critical care.  
JANICE A. SELEKMAN, D.N.Sc. (Pennsylvania), Professor: Nursing  
of children.  
BARBARA L. SHEER, D.N.Sc. (Widener), Associate Professor:  
Family nurse practitioner.  
GAIL H. WADE, D.N.Sc. (Widener), Associate Professor:  
Maternal/child health.  
JULIE K. WATERHOUSE, Ph.D. (Delaware), Associate Professor:  
Medical-surgical nursing  
ERLINDA WHEELER, D.N.S. (SUNY), Assistant Professor: Medical-  
surgical nursing.

### **Division of Special Programs**

MADELINE LAMBRECHT, Ed.D. (Temple), Director; also Professor  
of Nursing.  
KEN ANUNDA, M.A. (State University of New York), CITA I  
KAREN M. AVINO, M.S.N. (Delaware), Distance Learning Recruiter.  
ANN RUCINSKI, M.A., R.D. (Immaculata College), Supervisor,  
Dietetic Internship Program  
STACY R. WEILE, Ed.M. (Illinois), CITA II

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## **COLLEGE OF HUMAN SERVICES, EDUCATION AND PUBLIC POLICY**

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### **Office Of The Dean**

TIMOTHY K. BARNEKOV, Ph.D. (Syracuse), Dean; also Professor,  
Urban Affairs and Public Policy.  
TIMOTHY MILLER, M.A. (Marshall), Assistant Dean for College  
Management.  
KIMBERLY A. YACKOSKI, M.Ed. (Delaware), Assistant Dean for  
Student Services.  
MARY HELEN CALLAHAN, M.A. (Harvard), Assistant to the Dean  
for Advancement and Special Programs.  
PATSY HOWANIEC, Assistant to the Dean.  
H. KRISTINE RITZ, M.Ed. (Georgia Southern), Coordinator, Office of  
Student Support Services.

### **Consumer Studies**

KAREN F. STEIN, Ph.D. (Delaware), Associate Professor and Chair:  
Leadership, public policy, consumer economics.  
CAROL R. DENSON, Ph.D. (Delaware), Associate Professor:  
Disabilities studies, consumer policy issues.  
AUDREY L. HELFMAN, Ph.D. (Delaware), Assistant Professor and  
LEAD Program Director: Leadership, human resources development,  
and organizational change.  
JANET HETHORN, Ph.D. (University of Minnesota), Associate  
Professor: Visual culture, design process and innovation.  
MARY JO KALLAL, M.S. (Southern Illinois), Professor: CAD, apparel  
design innovation.  
HYE-SHIN KIM, Ph.D. (Iowa State), Associate Professor: Consumer  
behavior, apparel merchandising and retailing.  
JOHN E. KUSHMAN, Ph.D. (North Carolina), Professor: Consumer  
economics, leadership.  
ROSETTA S. LaFLEUR, Ph.D. (Tennessee), Associate Professor:  
Computer-aided merchandise planning.  
FRANCES W. MAYHEW, Ph.D. (Maryland), Associate Professor:  
Costume textile history, material culture.  
JAMES L. MORRISON, Ed.D. (Temple), Professor: Consumer  
economics, leadership, online commerce.  
BELINDA T. ORZADA, Ph.D. (Florida State), Associate Professor:  
Apparel design, fashion drape characteristics.

JONG-YOUN RHA, Ph.D. (The Ohio State), Assistant Professor:  
Leadership, consumer economics.

KAREN E. SCHAEFFER, M.S. (Penn State), Associate Professor:  
Fashion, visual presentation, artwear.

JUDITH B. VAN NAME, Ph.D. (Virginia Tech), Associate Professor:  
Family economics and resource management.

#### JOINT AND ADJUNCT APPOINTMENTS

Urban Affairs and Public Policy: MARIA P. ARISTIGUETA,  
DEBORAH P. AUGER

#### Education

CHRISTOPHER M. CLARK, Ph.D. (Stanford University), Director,  
School of Education.

LINDA ALLES, B.S. (Trenton State College), Instructor: The College  
School.

DOUGLAS ARCHBALD, Ph.D. (Wisconsin-Madison), Associate  
Professor: Educational Leadership.

GWYNNE ASH, Ph.D. (University of Georgia-Athens), Assistant  
Professor: Literacy education.

GEORGE G. BEAR, Ph.D. (Virginia). Professor; School discipline,  
sociomoral reasoning and behavior, and self-perceptions among  
children with disabilities.

DAWN BERK, M.S. (University of New Hampshire), Instructor:  
Mathematics education.

DAVID BLACKER, Ph.D. (Illinois), Associate Professor: Philosophy.

JAN H. BLITS, Ph.D. (New School for Social Research), Professor; also  
Professor, Political Science and International Relations: Philosophy  
and politics of education.

NANCY BRICKHOUSE, Ph.D. (Purdue), Associate Director and  
Professor, Science education.

ALBERT R. CAVALIER, Ph.D. (Alabama), Associate Professor:  
Behavior management, school discipline, assistive technology,  
educational technology, and distance education.

BARBARA CURRY, Ed.D. (Harvard), Associate Professor:  
Educational leadership.

ZOUBEIDA DAGHER, Ph.D. (University of Iowa), Associate  
Professor: Science education.

LAURA DOUGHERTY, B.S. (Radford University), Instructor: The  
College School.

BARBARA DUCH, MS (University of Delaware), Assistant Professor.

LAURA EISENMAN, Ph.D. (Vanderbilt), Associate Professor:  
Secondary special education and transition from school to adult life for  
young adults with disabilities.

SHERRON FAIR, B.A. (University of Rhode Island), Instructor:  
Clinical instruction.

RALPH P. FERRETTI, Ph.D., (Alabama), Professor; also Professor,  
Department of Psychology, College of Arts and Science: Cognitive  
psychology, cognitive development and disabilities, problem solving,  
instruction, and special educational technology.

DANIELLE FORD, Ph.D. (University of Michigan), Assistant  
Professor: Science education.

JEANNE GEDDES-KEY, M.Ed. (Smith), Instructor and Emily L.  
Phelps Director of College School.

BRAD GLASS, Ph.D. (University of Iowa), Assistant Professor: Math  
education.

JOSEPH J. GLUTTING, Ph.D. (Pennsylvania), Professor: School  
psychology, psychoeducational assessment, and educational  
measurement.

JOANNE M. GOLDEN, Ph.D. (Ohio State), Professor: Language arts  
and coordinator, Ph.D. program in Curriculum and Instruction.

ROBERTA M. GOLINKOFF, Ph.D. (Cornell), Professor; also Professor  
Psychology; also Professor, Linguistics: Language acquisition,  
communication development, cognitive development, and  
psychology of reading.

LINDA GOTTFREDSON, Ph.D. (Johns Hopkins), Professor:  
Educational policy, societal consequences of IQ differences, career  
development, occupational structure, differences in education and  
employment by race, sex, and physical handicap.

VICKI GOETTEL, MI (University of Delaware), Instructor: Student  
teaching.

ROBERT HAMPEL, Ph.D. (Cornell), Professor: History of education  
and contemporary educational policy.

GABRIELLA HERMON, Ph.D. (Illinois), Associate Professor; also  
Assistant Professor, Linguistics: First and second language acquisition  
and the principles and parameters framework, syntactic theory,  
language processing, and text analysis of problems of reading.

JAMES HIEBERT, Ph.D. (Wisconsin), Robert J. Barkley Professor,  
Mathematics education.

FRED HOFSTETTER, Ph.D. (Ohio State), Professor: Instructional  
Technology.

KATHLEEN HOLLOWELL, Ph.D. (Boston University), Assistant  
Professor; also, Director, Math and Science Education Resource  
Center.

NANCY C. JORDAN, Ph.D. (Harvard), Associate Professor: Reading,  
language and learning disabilities.

ANN JORNLIN, MI (University of Delaware), Instructor: Student  
teaching.

DAVID W. KAPLAN, Ph.D. (California, Los Angeles), Professor:  
Educational statistics, factor analysis, and structural equation  
modeling.

LAURA KINCAID, Ph.D. (Kent State University), Assistant Professor:  
Mathematics education.

DEBORAH KNIGHT, Ph.D. (University of Georgia), Assistant  
Professor: Special education.

NANCY LAVIGNE, Ph.D. (McGill University), Assistant Professor:  
Educational Psychology.

MICHELE LEWIS, B.S. (University of Delaware), Instructor: The  
College School.

DEIRDRE LILLY, M.Ed. (Wilmington College), Instructor: Student  
teaching.

CHERI LIPPSTONE, BA (Cedar Crest College), Instructor: Clinical  
Instruction.

DENNIS LOFTUS, Ed.D. (Temple University), Instructor.

CHARLES MACARTHUR, Ph.D. (American University), Associate  
Professor: Special education, reading and writing skills for LD  
students, vocational assessment of children.

JON MANON, M.Ed. (Lehigh University), Instructor.

EUGENE MATUSOV, Ph.D. (California at Santa Cruz), Associate  
Professor: Instruction and Cognition.

SHUAIB MEACHAM, Ph.D. (University of Illinois - Urbana),  
Assistant Professor: Literacy education.

KATHLEEN MINKE, Ph.D. (Indiana) Associate Professor: Birth-to-  
three intervention for children with disabilities and at-risk children.

WILLIAM B. MOODY, Ed.D. (Maryland), Professor; also Professor,  
Department of Mathematical Sciences, College of Arts and Science:  
Mathematics education.

ANNE MORRIS, Ph.D. (Ohio State University), Associate Professor:  
Mathematics education.

FRANK B. MURRAY, Ph.D. (Johns Hopkins), H. Rodney Sharp  
Professor of Educational Psychology; also Professor, Department of  
Psychology, College of Arts and Science: Cognitive development,  
developmental theory, reading and mathematics.

RATNA NANDAKUMAR, Ph.D. (Illinois), Professor: Educational  
statistics and measurements.

AUDREY NOBLE, Ph.D. (Arizona State University), Assistant  
Professor; also, Director, Research and Development Resource  
Center.

LAURIE PALMER, MI (University of Delaware), Instructor:  
Coordinator — Milford Professional Development School.

JUDITH PATTON, MI (University of Delaware), Instructor: Student teaching.

ELIZABETH PEMBERTON, Ph.D. (Pennsylvania State), Assistant Professor: Psychology; also Advisor, Undergraduate Advisement Office.

HEATHER PLEASANTS, Ph.D. (Michigan State), Assistant Professor: Educational psychology.

KRISTIN RAGAN, M.Ed. (Wilmington College), Instructor: Student teaching.

JAMES RATHS, Ph.D. (New York University), Professor: Teacher education, evaluation of educational programs.

GAIL RYS, Ph.D. (Delaware), Assistant Director and Assistant Professor: Moral reasoning, gender and development issues.

PAMELA STAZESKY, Ph.D. (University of Illinois at Urbana-Champaign), Instructor.

ROBERT J. TAGGART, Ph.D. (Michigan), Associate Professor: History of education.

KATHY THOMAS, Ed.D. (University of Delaware), Instructor; also, Coordinator of Masters in Educational Leadership.

PRIMO TOCCAFONDI, Ed.D. (Nova University), Instructor; also, Director, Southern Delaware Program.

RICHARD L. VENEZKY, Ph.D. (Stanford), Unidel Professor, Education; also Professor, Computer and Information Sciences: Reading processes, assessment, history of literacy, and computers in education.

HARLEEN VICKERS, Ph.D. (Delaware), Assistant Professor: Family-school issues and intervention.

CAROL VUKELICH, Ph.D. (Southern Illinois), Director, Delaware Center for Teacher Education; also Professor, Individual and Family Studies: Early childhood education.

RONALD J. VUKELICH, Ph.D. (Southern Illinois), Associate Professor: Special education, testing procedures for exceptional children, and assessment of learning in museum settings.

SHARON WALPOLE, Ph.D. (University of Virginia — Charlottesville), Assistant Professor: Literacy.

JAMES A. WHITSON, Ph.D. (University of Rochester), Associate Professor: Social studies.

STEPHANIE WOLBERT, MI (University of Delaware), Instructor: Student teaching.

CAROL WONG, Ph.D. (University of Michigan), Assistant Professor: Education and psychology.

### English Language Institute

SCOTT G. STEVENS, Ed.D. (Delaware), Director.

KATHERINE SCHNEIDER, M.A. (New York), Associate Director.

JOSEPH MATTERER, M.A. (Ohio State), Assistant Director.

ROBERT ARBAN, B.A. (West Virginia), Assistant to the Director.

WENDY BULKOWSKI, M.A. (Delaware), Tutoring Center Coordinator.

SUSAN COAKLEY, M.Ed. (Notre Dame College, NH), Instructor.

LESLIE CRISTON, M.A. (Arizona), Instructor.

KELLY GALVIN, B.A. (Delaware), Admissions Counselor.

JO GIELOW, M.A. (Southern Illinois), Assistant Professor.

BARBARA GILLETTE, Ph.D. (Delaware), Instructor.

LISA GRIMSLEY, M.A. (Columbia International), Instructor.

RUTH JACKSON, M.A. (Delaware), Assistant Professor.

JANICE LEFEBVRE, M.A. (Delaware), Instructor.

JANET LOUISE, M.A. (Nebraska), Instructor.

RALPH MASON, M.A. (Oklahoma State), Instructor.

BARBARA MORRIS, M.A. (Addis Ababa), Instructor.

DAVID QUAYLE, B.S. (Delaware), Orientation Coordinator.

LOWELL RIETHMULLER, M.A. (Delaware), Instructor.

KATHLEEN VODVARKA, M.A. (Hunter), Instructor.

GRANT WOLF, M.A. (Michigan State), Instructor.

CHRISTOPHER WOLFE, J.D. (Widener Law), Legal Studies Coordinator.

MARY BETH WORRILOW, M.A. (Delaware), Instructor.

### Hotel, Restaurant, And Institutional Management

FREDERICK J. DEMICCO, Ph.D. (Virginia Tech), Professor and Aramark Chair: International hospitality management, gerontology.

CIHAN COBANOGU, Ph.D. (Oklahoma State), CHTP, Assistant Professor of Hospitality Information Technology.

RONALD P. COLE, M.S. (Rochester Institute of Technology), Associate Policy Scientist and Assistant Professor: Food and beverage management, distance learning.

GEORGE R. CONRADE, M.B.A. (Michigan State), Assistant Professor: Hospitality information technology and e-commerce, managerial accounting, and marketing.

PAMELA R. CUMMINGS, Ph.D. (Oklahoma State), Associate Professor: Hotel management, leadership.

JOSEPH DIGREGORIO, C.E.C. (Culinary Inst.), Executive Chef and Lecturer: Quantity foods and commercial foods.

DEBORAH ELLINGSWORTH, B.A. (Delaware), Executive Sous Chef, Pastry Chef and Chef Instructor: Food principles.

FRANCIS A. KWANSA, Ph.D. (Virginia Tech), Associate Professor: Financial management, managerial accounting.

BRIAN L. MILLER, Ed.D. (University of Massachusetts Amherst), Assistant Professor: Educational technology, lodging operational systems, and learning management systems.

JULIE E. MILLS, Ph.D. (Purdue University), Assistant Professor: hospitality marketing, consumer behavior, hospitality and tourism information technology, e-commerce, electronic surveying methodologies, and online human resources and liability related issues.

ROBERT R. NELSON, Ph.D. (Delaware), Associate Professor: Tourism development, food production, contracts.

JULIE E. PEROUTKA, B.S., CCM (Delaware), Director of Restaurant Operations. Quantity foods, fine dining and wine education.

ALI A. POORANI, Ph.D. (U.S. International), Associate Professor: Human resources management, organizational leadership.

PAUL J. SESTAK, AIA, B.Arch. (Drexel), Associate Professor: Hotel and restaurant architecture, historic preservation.

PATRICIA WOODWARD, B.A. (Mercyhurst College), Instructor and Dining Room Manager.

### Individual And Family Studies

PENNY L. DEINER, Ph.D. (Penn State), Professor and Chair: Family resilience and violence, children with special needs and their families, overt and relational violence.

APARNA BAGDI, Ph.D. (Syracuse), Assistant Professor: Cultural diversity and early childhood.

JOHN B. BISHOP, Ph.D. (Ohio), Professor; also Associate Vice-President for Counseling and Student Development: College counseling, student affairs practice in higher education, management of university counseling centers.

MARTHA J. BUELL, Ph.D. (North Carolina), Associate Professor: Early childhood classroom quality, early childhood teacher professional development; and emergent literacy.

CLAYTONA J. DeCAPUA, M.Ed. (Penn State), Assistant Professor: Early childhood curriculum, early childhood teacher professional development.

NANCY J. EDWARDS, M.Ed. (Temple), Instructor, Clinical Faculty: Math and science education.

ALICE P. EYMAN, M.A. (Columbia), Assistant Professor; also Director, University of Delaware Laboratory Preschool, and Coordinator, Student Teaching: Professional development, laboratory schools.

MICHAEL FERRARI, Ph.D. (Rutgers), Associate Professor; also Associate Professor, Psychology: Families and neurodevelopmental disorders, brain injury, dementia research and rehabilitation.

RUTH E. FLEURY-STEINER, Ph.D. (Michigan State), Assistant Professor: Community responses to violence against women.

NORMA GAINES-HANKS, Ed.D. (Delaware), Assistant Professor, Clinical Faculty: Working with diverse populations, parental satisfaction with schools, mentorship, cultural diversity.

MICHAEL GAMEL-McCORMICK, Ph.D. (Virginia Commonwealth), Associate Professor: Early childhood development and education, intervention with special needs populations, program evaluation, qualitative analyses.

JUDITH A. GREENE, Ed.D. (Temple), Assistant Professor, Clinical Faculty: Counseling culturally diverse families, inclusion and conflict management.

DENE G. KLINZING, Ph.D. (Penn State), Professor: Hospitalized children, child development, parenting and medical communication.

ROBIN J. PALKOVITZ, Ph.D. (Rutgers), Professor: Father-child relations across the life span, parental development, life-span development.

BARBARA H. SETTLES, Ph.D. (Ohio State), Professor: Cost and quality issues in family care, family theory, family life education, family futures.

DANIEL D. SHADE, Ph.D. (North Carolina, Greensboro), Associate Professor: Children and technology, computers in early childhood education, technology and families, research methodology, human development through speculative fiction and media, child development.

STUART J. SHARKEY, M.Ed. (St. Lawrence), Assistant Professor: Higher education, legal, administration and management issues.

BAHIRA SHERIF-TRASK, Ph.D. (University of Pennsylvania), Associate Professor: Culturally diverse families, gender issues, intergenerational relationships.

TARA M. SUTTON, M.S. (University of Delaware), Instructor, Clinical Faculty: Early Childhood, specifically toddler development and inclusion.

DONALD G. UNGER, Ph.D. (South Carolina), Professor: Social support and family coping, child and family intervention, teenage pregnancy, prevention and empowerment with families.

JOHN J. VACCA, Ph.D. (Penn State), Assistant Professor: Infant development; young children with special needs; autism, neurodevelopmental disabilities; school psychology.

JULIE MAPES WILGEN, Ph.D. (Texas Tech), Assistant Professor: Human sexuality, lifespan development, family relationships, learning in community contexts.

#### **JOINT, SECONDARY AND ADJUNCT APPOINTMENTS**

College Counseling and Student Affairs Practice in Higher Education: CHARLES L. BEALE, TIMOTHY F. BROOKS, JOHN P. BRUNELLE, MARK C. FLEMING, MERRIS A. HOLLINGSWORTH, JONATHAN D. LEWIS, MARILYN S. PRIME, RICHARD S. SHARF, VIVIAN A. YAMADA.

Food and Resource Economics: PATRICIA T. NELSON.

Sociology: SALLY BOULD.

Urban Affairs and Public Policy: KAREN CURTIS.

#### **Urban Affairs And Public Policy**

JEFFREY A. RAFFEL, Ph.D. (M.I.T.), Charles P. Messick Professor of Public Administration; Professor and Director; also Professor, Political Science and International Relations: Educational policy, policy analysis, urban management.

DAVID L. AMES, Ph.D. (Clark), Professor; also Director, Center for Historic Architecture and Design, and Professor, Geography: Historic preservation, urban geography, urban and regional planning.

MARIA P. ARISTIGUETA, D.P.A. (Southern California), Associate Professor; also Director, M.P.A. Program: Administrative behavior, performance measurement, policy analysis, strategic management.

DEBORAH A. AUGER, Ph.D. (M.I.T.), Assistant Professor; also Assistant Professor, Political Science and International Relations: Public policy and administration, non-profit management, state and local government, U.S. social policy.

TIMOTHY K. BARNEKOV, Ph.D. (Syracuse), Professor; also Dean, College of Human Services, Education and Public Policy: Community development, urban neighborhoods, business and urban policy, local economic development policy.

JOHN M. BYRNE, Ph.D. (Delaware), Professor and Director, Center for Energy and Environmental Policy; also Professor, Marine Studies: Technology and environment, environmental justice, political economy, sustainable development.

LESLIE COOKSY, Ph.D. (Cornell), Associate Professor and Director Center for Community Research and Service: Human service programs, program evaluation, qualitative and quantitative methods.

KAREN A. CURTIS, Ph.D. (Temple), Associate Professor; also Associate Professor, Individual and Family Studies: Non-profit leadership and management, applied research and public policy analysis, qualitative methods, social and economic opportunity.

KATHRYN G. DENHARDT, Ph.D. (Kansas), Associate Professor: Collaborative decision making and conflict resolution, human resources management, ethics in public service.

BERNARD L. DWORSKY, M.A. (Delaware), Assistant Professor and Project Director, Water Resources Agency, Institute for Public Administration: Water resources management, planning.

JAMES P. FLYNN, Ed.D. (Delaware), Assistant Professor; also Internship Coordinator: Personnel administration, quality improvement initiatives, educational governance, legislative management, professional development, human resources management.

EDWARD J. FREEL, M.Ed. (Delaware), Instructor: civic education, learning initiatives, public administration.

RAHEEMAH JABBAR-BEY, M.A. (New Hampshire College), Instructor: Community and economic development planning, organizational capacity building of nonprofits, urban policy analysis.

ERIC D. JACOBSON, M.P.A. (Delaware), Assistant Professor and Assistant Director, Institute for Public Administration: Public economics, health policy, employee compensation and benefits, tourism development and research, analytical methods.

PAMELA LELAND, Ph.D. (Delaware), Assistant Professor: Management and governance of nonprofit organizations, tax exempt status of charitable nonprofits, outcomes based evaluation, non-profit leadership.

JEROME R. LEWIS, Ph.D. (New York University), Associate Professor and Director, Institute for Public Administration; also Associate Professor, Political Science and International Relations: Public administration, personnel management, urban planning, political leadership.

G. ARNO LOESSNER, Ph.D. (Pennsylvania), Assistant Professor: Financial management, non-profit management, international comparative public administration.

STEVEN W. PEUQUET, Ph.D. (Pennsylvania), Assistant Professor: Strategic planning, housing, homelessness, electronic community networks, public policy analysis and evaluation.

EDWARD C. RATLEDGE, M.A. (Delaware), Associate Professor and Director, Center for Applied Demography and Survey Research: Management information systems, econometrics, criminal justice systems.

DANIEL RICH, Ph.D. (M.I.T.), Professor and Provost; also Professor, Political Science and International Relations: Public policy and public management.



REBECCA SHEPPARD, M.A. (Delaware), Assistant Professor: Historic preservation planning, history of rural landscapes and the built environment, landscape preservation.

PAUL L. SOLANO, Ph.D. (Maryland), Associate Professor; also Associate Professor, Political Science and International Relations: Financial administration and public finance, political economy, health economics.

DOUGLAS F. TUTTLE, M.P.A. (Delaware), Instructor: State and local government personnel development, strategic planning, emergency service planning and public service quality assessment.

YOUNG-DOO WANG, Ph.D. (Delaware), Professor; also Director, Environmental and Energy Policy Program: Energy and water conservation policy, economic analysis of alternative energy options, econometric applications.

LELAND WARE, J.D. (Boston College), Louis J. Redding Professor for the Study of Law and Public Policy: Employment discrimination law, civil rights law, civil procedure; also Professor, Legal Studies.

ROBERT WARREN, Ph.D. (UCLA), Professor; also Professor, Political Science and International Relations: Urban and regional government, telecommunications policy, urban planning and development, cultural theory.

MARGARET G. WILDER, Ph.D. (Michigan), Professor: Community development policy and organizations, economic development policy and planning, housing problems and policy, race, gender and economic mobility.

ROBERT A. WILSON, Ph.D. (Temple), Associate Professor; also Associate Professor, Sociology: Survey research, evaluation research, health services research.

DANILO YANICH, Ph.D. (Delaware), Associate Professor: Criminal justice policy, media and public policy, international comparative governance.

#### **JOINT AND ADJUNCT APPOINTMENTS**

Art History: BERNARD L. HERMAN.

Black American Studies: JAMES E. NEWTON.

Consumer Studies: AUDREY L. HELFMAN, JONG-YOUN RHA.

Economics: WILLIAM R. LATHAM, III.

Food and Resource Economics: THOMAS W. ILVENTO, PATRICIA T. NELSON.

Geography: YDA SCHREUDER, APRIL R. VENESS.

Health and Nursing Sciences: BETHANY HALL-LONG.

Hotel, Restaurant and Institutional Management: PAUL SESTAK.

Individual and Family Studies: DONALD L. PETERS, DONALD UNGER.

Marine Studies: BILLIANA CICIN-SAIN, WILLETT KEMPTON.

Museum Studies: CHANDRAREEDY.

Philosophy: PAUL T. DURBIN.

Political Science and International Relations: MARK W. HUDDLESTON, JANET B. JOHNSON, MARIAN PALLEY, RICHARD T. SYLVES.

Adjunct Faculty: JOHN ELSE, LINDA WOLF, BEVERLY YANICH.

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### **COLLEGE OF MARINE STUDIES**

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CAROLYN A. THOROUGHGOOD, Ph.D. (Maryland), Associate Professor and Dean; also Director, Delaware Sea Grant College Program.

DAVID L. KIRCHMAN, Ph.D. (Harvard), Associate Dean and M.P. and M.H. Harrington Professor: Marine microbial ecology; oceanography, molecular ecology.

LEE G. ANDERSON, Ph.D. (Washington), Professor and Director, Marine Policy Program; also Professor, Economics: Economics of commercial and recreational fisheries management.

MOHSEN BADIEY, Ph.D. (Miami), Professor; also Associate Professor, Civil and Environmental Engineering: Analytical and numerical modeling of geoacoustics and geophysics; seabed, laboratory and in-situ measurements related to seismo-acoustics problems.

KATHARINA BILLUPS, Ph.D. (California, Santa Cruz), Assistant Professor: Paleoclimatology, geochemistry, paleoclimate.

JOHN S. BOYER, Ph.D. (Duke), E.I. du Pont Professor of Marine Biochemistry/Biophysics and Director, Marine Biology and Biochemistry Program; also Professor, Plant and Soil Sciences: Water in the biochemistry and physiology of marine and terrestrial plants.

S. CRAIG CARY, Ph.D. (Scripps Institute of Oceanography), Associate Professor: Comparative physiology, biochemistry and ecology of marine invertebrate/bacterial symbioses; molecular techniques to resolve biochemical interactions between host and symbiont.

DAVID S. CHAPMAN, P.E. (Drexel), Associate Research Scientist: Marine transportation, environment, safety and ports.

THOMAS M. CHURCH, Ph.D. (California, San Diego), Professor; also Professor, Chemistry and Biochemistry: Atmospheric deposition, estuarine geochemistry and marine chemistry of trace elements.

BILIANA CICIN-SAIN, Ph.D. (California, Los Angeles), Professor and Director, Center for the Study of Marine Policy; also Professor, Political Science and International Relations and Professor, Urban Affairs and Public Policy: U.S. ocean policy; management of multiple ocean and coastal uses; state/federal relations; fisheries management; comparative ocean policy.

JAMES J. CORBETT, Ph.D. (Carnegie Mellon), Assistant Professor: Marine transportation, energy and environment, intermodal freight transport, global climate change, air emissions, pollution.

MATTHEW T. COTTRELL, Ph.D. (University of Texas at Austin), Associate Scientist: Microbial ecology.

CHARLES H. CULBERSON, Ph.D. (Oregon State), Research Scientist: Physical chemistry and electrochemistry of seawater; mathematical modeling of estuarine chemical processes.

STEPHEN C. DEXTER, Ph.D. (Delaware), Professor; also Professor, Materials Science and Engineering: Electrochemical corrosion; biologically influenced corrosion; structural materials in marine environments; bioadhesion.

ANA I. DITTEL, Ph.D. (Delaware), Associate Research Scientist: Larval biology; recruitment dynamics; tropical biology.

CHARLES E. EPIFANIO, Ph.D. (Duke), Professor: Larval ecology; tropical ecology, recruitment dynamics.

RICHARD T. FIELD, Ph.D. (Delaware), Associate Research Scientist: Application of remote sensing to land surface climate studies, microclimatology of land surfaces.

JEREMY FIRESTONE, Ph.D. (North Carolina), J.D. (Michigan), Assistant Professor: Ocean and Coastal Law and Management, conflict resolution, governance, federal/state relations, marine pollution.

PATRICK M. GAFFNEY, Ph.D. (SUNY, Stony Brook), Professor: Genetics of marine organisms; aquacultural genetics.

JOHN L. GALLAGHER, Ph.D. (Delaware), Professor: Marine plant ecology, physiology, genetics, tissue culture, and economic development.

RICHARD W. GARVINE, Ph.D. (Princeton), M.P. and M.H. Harrington Professor of Marine Studies; also Professor, Civil and Environmental Engineering: Physical oceanography of the coastal ocean and estuaries: observations and models.

PAMELA GREEN, Ph.D. (SUNY), Professor; also Crawford H. Greenwalt Chair: Genetics, biochemistry, and molecular biology of plants focusing on *Arabidopsis*.

JAY L. HALIO, Ph.D. (Yale), Emeritus Professor; also Emeritus Professor, English and Theatre.

THOMAS E. HANSON, Ph.D. (California, Davis), Assistant Professor: Microbial physiology, microbial ecology, genomics, proteomics.

I. PABLO HUQ, Ph.D. (Cambridge), Associate Professor; also Associate Professor, Mechanical Engineering: Turbulence in the environment; stratified flow phenomena; experimental fluid mechanics, physical oceanography.

DAVID A. HUTCHINS, Ph.D. (California, Santa Cruz), Associate Professor: Effects of nutrient cycling on marine phytoplankton productivity, dynamics of pollutants within marine food web.

WILLETT M. KEMPTON, Ph.D. (Texas, Austin), Associate Professor; also Associate Professor, Urban Affairs and Public Policy: Human dimensions of marine and environmental policy.

A.D. KIRWAN, JR., Ph.D. (Texas A&M), Professor; also Mary A.S. Lighthouse Chair; also Director, Physical Ocean Science and Engineering: Dynamic processes responsible for transport of matter and energy in natural environments; rapid environmental assessment.

VICTOR V. KLEMAS, Ph.D. (Braunschweig), Professor; also Director, Center for Remote Sensing; also Professor, Electrical and Computer Engineering: Remote sensing of marine and coastal resources; environmental monitoring; optical physics.

BRUCE L. LIPPHARDT, JR., Ph.D. (Old Dominion), Associate Research Scientist: Dynamics of mesoscale and submesoscale processes in the coastal ocean.

GEORGE W. LUTHER, III, Ph.D. (Pittsburgh), M.P. & M.H. Harrington Professor; also Professor, Chemistry and Biochemistry and Professor, Civil and Environmental Engineering: Marine chemistry; element redox cycles; biology as a function of chemical speciation; chemical sensor development.

GERARD J. MANGONE, Ph.D. (Harvard), University Research Professor: Coastal, maritime, and international law; shipping and port management; also Professor, Legal Studies.

ADAM G. MARSH, Ph.D. (Maryland), Assistant Professor: Molecular biochemistry and bioinformatics in extreme environments.

DOUGLAS C. MILLER, Ph.D. (Washington), Associate Professor: Deposit-feeding strategies; trophic interactions among organisms; organism-flow-sediment interactions.

ANDREAS K. MUENCHEW, Ph.D. (Delaware), Associate Professor: Coastal physical oceanography, arctic oceanography.

GEORGE R. PARSONS, Ph.D. (Wisconsin), Professor; also Professor, Economics: Environmental and natural resource economics; coastal zone management.

DENISE M. SELISKAR, Ph.D. (Delaware), Research Scientist: Dune and wetland plant physiological ecology; tissue culture of dune plants.

JONATHAN H. SHARP, Ph.D. (Dalhousie), Professor: Marine microbial biogeochemistry, analytical chemistry of seawater.

CHRISTOPHER K. SOMMERFIELD, Ph.D. (SUNY, Stony Brook), Assistant Professor: Coastal geological oceanography; marine and estuarine sedimentary processes.

NANCY M. TARGETT, Ph.D. (Maine), Professor: Chemical/biological interactions in the marine environment; chemical ecology; antifouling mechanisms in marine organisms.

TIMOTHY E. TARGETT, Ph.D. (Maine), Professor: Chemical/biological interactions in the marine environment, antifouling mechanisms in marine organisms; chemical ecology.

CHARLES TILBURG, Ph.D. (Florida), Associate Research Scientist: Coupled physical and biological oceanography of the coastal ocean and estuaries.

MICHAEL TONER, Ph.D. (Old Dominion), Associate Research Scientist: Lagrangian analysis of coherent structures and oceanic transport.

WILLIAM J. ULLMAN, Ph.D. (Chicago), Professor; also Professor, Geology: Geochemical cycles; rock/water interactions; coastal, estuarine, and nearshore processes.

FABRICE VERNON, Ph.D. (Scripps Institution of Oceanography), Assistant Professor: Air-sea interaction, wind-wave generation, surface small scale processes.

MARK E. WARNER, Ph.D. (University of Georgia), Assistant Professor: Physiological ecology of algal-invertebrate symbioses and marine algae.

FERRIS WEBSTER, Ph.D. (M.I.T.), Professor; also Director, Oceanography Program: The role of the ocean in climate variability; oceanographic data processing.

KUO-CHUIN WONG, Ph.D. (SUNY, Stony Brook), Professor: Physical oceanography; estuarine and coastal dynamics; time series analysis.

XIAO-HAI YAN, Ph.D. (SUNY, Stony Brook), Professor: Satellite oceanography; remote sensing modeling and prediction of air-sea exchange, mixed layer, wind, heat flux and ocean circulation; image processing.

#### JOINT AND ADJUNCT APPOINTMENTS

Biological Sciences: MALCOLM H. TAYLOR.

Civil and Environmental Engineering: HERBERT E. ALLEN, DOMINIC M. DITORO, C.P. HUANG, JAMES T. KIRBY, NOBUHISA KOBAYASHI, IB A. SVENDSEN.

Economics: RICHARD J. AGNELLO.

Electrical and Computer Engineering: GONZALO R. ARCE, CHARLES S. IH.

Geography: TRACY L. DELIBERTY.

Geology: JOHN A. MADSEN, RONALD E. MARTIN, JOHN F. WEHMILLER.

Plant and Soil Sciences: DONALD L. SPARKS, ERIC WOMMACK.

Political Science and International Relations: JAMES K. OLIVER, MARIAN L. PALLEY, RICHARD T. SYLVES.

University Parallel Program: LAWRENCE A. CURTIS.

Urban Affairs and Public Policy: JOHN M. BYRNE.

Adjunct Faculty: JED BROWN, RICHARD B. COFFIN, JAMES CREASE, ROBERT A. DALRYMPLE, ROBERT G. DEAN, ROBERT FELDMAN, MARILYN L. FOGEL, PAUL A. GRECA, THOMAS E. HELSER, DAVID R. HODAS, NORDEN E. HUANG, DAVID E. KRANTZ, TIMOTHY D. JICKELS, KAMLESH LULLA, EVELYN M. MAURMEYER, WILLIAM H. MEREDITH, DONALD B. NUZZIO, JAMES C. PIERCE, ANDREW C. POJE, ANTHONY P. PRATT, DAVID T. RICKARD, MANMOHAN SARIN, ALAIN J. VERON, AMY WITTER.

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#### FACULTY EMERITI

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EDWARD P. ALEXANDER, Ph.D. (Columbia), Professor Emeritus of Museum Studies.

MARGARET P. ALLEN, M.F.A. (Washington), Associate Professor Emerita of Art.

VAL E. ARNSDORF, Ph.D. (Minnesota), Professor Emeritus of Education.

MAURICE V. BARNHILL, Ph.D. (Stanford), Professor Emeritus of Physics and Astronomy.

GEORGE BASALLA, Ph.D. (Harvard), Professor Emeritus of History.

WILLARD E. BAXTER, Ph.D. (Pennsylvania), Professor Emeritus of Mathematical Sciences.

JOHN J. BEER, Ph.D. (Illinois), Associate Professor Emeritus of History; also Associate Professor Emeritus of Chemistry.

A. LEROY BENNETT, Ph.D. (Illinois), Professor Emeritus of Political Science and International Relations.

WILLIAM J. BENTON, D.V.M., Ph.D. (Delaware), Professor Emeritus of Animal and Food Sciences.

CATHERINE V. BIEBER, M.S. (Delaware), Professor Emerita of Human Resources.

DANIEL P. BIEBUYCK, (State University, Ghent, Belgium), H. Rodney Sharp Professor Emeritus of Anthropology and Humanities.

YAROSLAV BILINSKY, Ph.D. (Princeton), Professor Emeritus of Political Science and International Relations.



- S. ALEXANDER BILLON, Ph.D. (Michigan State), Professor Emeritus of Business Administration.
- KENNETH B. BISCHOFF, Ph.D. (Illinois Institute of Technology), Unidel Professor Emeritus of Biomedical and Chemical Engineering.
- KARL W. BER, Ph.D. (Humboldt), Distinguished Professor Emeritus of Physics and Solar Energy.
- ELAINE BOETTCHER, M.S. (Delaware), Associate Professor Emerita of Nursing.
- L. PAUL BOLGIANO, JR., Ph.D. (Johns Hopkins), Professor Emeritus of Electrical and Computer Engineering.
- ELLIS T. BOLTON, Ph.D. (Rutgers), Carnegie Institution of Washington Professor Emeritus of the College of Marine Studies.
- GORDON R. BONNER, Ph.D. (Syracuse), Associate Professor Emeritus of Finance.
- ROBERT L. BOORD, Ph.D. (Maryland), Professor Emeritus of Biological Sciences.
- WILLIAM W. BOYER, JR., Ph.D. (Wisconsin), Charles P. Messick Professor Emeritus of Political Science and International Relations.
- THEODORE E.D. BRAUN, Ph.D. (California, Berkeley), Professor Emeritus of Foreign Languages and Literatures.
- THOMAS W. BROCKENBROUGH, S.M. (M.I.T.), Professor Emeritus of Civil and Environmental Engineering.
- PAUL P. BURBUTIS, Ph.D. (Rutgers), Professor Emeritus of Entomology and Applied Ecology.
- HENRY L. CADY, Ph.D. (Kansas), Professor Emeritus of Music.
- MELBOURNE R. CARRIKER, Ph.D. (Wisconsin), Professor Emeritus of the College of Marine Studies.
- SHIRLEY A. CARTER, Ed.D. (Temple), Associate Professor Emerita of Nursing.
- EUGENE CHESSON, JR., Ph.D. (Illinois), Professor Emeritus of Civil and Environmental Engineering.
- ARNOLD M. CLARK, Ph.D. (Pennsylvania), Professor Emeritus of Biological Sciences.
- ELIZABETH D. CLOUD, M.S. (Pennsylvania), Associate Professor Emerita of Nursing.
- GERALD L. COLE, Ph.D. (Michigan State), Professor Emeritus of Food and Resource Economics.
- CHARLES B. COOPER, Ph.D. (Maryland), Professor Emeritus of Physics and Astronomy.
- MAURICE E. COPE, Ph.D. (Chicago), Professor Emeritus of Art History.
- ROGER L. COX, Ph.D. (Columbia), Professor Emeritus of English.
- E. WAYNE CRAVEN, Ph.D. (Columbia), H.F. du Pont Professor Emeritus of Art History.
- JOHN S. CRAWFORD, Ph.D. (Harvard), Professor Emeritus of Art History.
- HENRY W. CRITTENDEN, Ph.D. (Ohio State), Professor Emeritus of Plant and Soil Sciences.
- DONALD F. CROSSAN, Ph.D. (North Carolina State), Professor Emeritus of Plant and Soil Sciences.
- GERALD R. CULLEY, Ph.D. (North Carolina), Associate Professor Emeritus of Foreign Languages and Literatures; also Associate Professor Emeritus of Comparative Literature.
- J. BARRY CULLINGWORTH, MRTPI, FRSA, Unidel Professor Emeritus of Urban Affairs and Public Policy; also Professor Emeritus of Geography.
- PAUL A. CUNDIFF, Ph.D. (Cornell), H. Rodney Sharp Professor Emeritus of English.
- JULIO Da CUNHA, M.F.A. (Cranbrook Academy of Fine Arts), Professor Emeritus of Art; also Professor Emeritus, University Honors Program.
- FRANKLIN C. DAIBER, Ph.D. (Ohio State), Professor Emeritus of the College of Marine Studies; also Professor Emeritus of Biological Sciences.
- JAMES E. DANBERG, Ph.D. (Catholic University of America), Professor Emeritus of Mechanical Engineering.
- WILLIAM B. DANIELS, Ph.D. (Case), Professor Emeritus of Physics and Astronomy.
- JOHN M. DAWSON, Ph.D. (Chicago), Professor Emeritus, Library.
- ROBERT A. DAY, M.S. (Columbia), Professor Emeritus of English.
- ANNA JANNEY DeARMOND, Ph.D. (Pennsylvania), Professor Emerita of English.
- DON DENNIS, Ph.D. (Brandeis), Professor Emeritus of Chemistry and Biochemistry.
- FRANK B. DILLEY, Ph.D. (Columbia), Professor Emeritus of Philosophy.
- ALEXANDER R. DOBERENZ, Ph.D. (Arizona), Professor Emeritus of Nutrition and Dietetics.
- IVO DOMINGUEZ, Ph.D. (Florida State), Associate Professor Emeritus of Foreign Languages and Literatures.
- CHARLES W. DUNHAM, Ph.D. (Michigan State), Professor Emeritus of Plant and Soil Sciences.
- RUSSELL R. DYNES, Ph.D. (Ohio State), Professor Emeritus of Sociology and Criminal Justice.
- MARY ANNE EARLY, M.S. (Pennsylvania), Associate Professor Emerita of Nursing.
- ROBERT M. EISENBERG, Ph.D. (Michigan), Associate Professor Emeritus of Biological Sciences.
- JOACHIM G. ELTERICH, Ph.D. (Michigan State), Professor Emeritus of Food and Resource Economics.
- EDWARD A. FAGEN, Ph.D. (Pittsburgh), Associate Professor Emeritus of Electrical and Computer Engineering.
- SYLVIA FARNHAM-DIGGORY, Ph.D. (Pennsylvania), H. Rodney Sharp Professor Emerita of Education.
- EUGENE S. FERGUSON, M.S. (Iowa State), Professor Emeritus of History.
- JAYNE FERNSLER, D.S.N. (Alabama), Professor Emerita of Nursing.
- W. BRUCE FINNIE, Ph.D. (Ohio State), Professor Emeritus of English.
- WILLARD ALLEN FLETCHER, Ph.D. (Pennsylvania), Professor Emeritus of History.
- RICHARD E. FOWLER, Ph.D. (Maryland), Associate Professor Emeritus of Animal and Food Sciences.
- JEAN H. FUTRELL, Ph.D. (California, Berkeley), Professor Emeritus of Chemistry and Biochemistry.
- MILDRED M. GADDIS, M.A. (Columbia), Associate Professor Emerita of Music.
- ANTHONY F. GAUDY, JR., Ph.D. (Illinois), H. Rodney Sharp Professor Emeritus of Civil and Environmental Engineering.
- EDELTRAUT GILGENAST, M.A. (Middlebury), Assistant Professor Emerita of Foreign Languages and Literatures.
- HELEN GOULDNER, Ph.D. (California), Professor Emerita of Sociology and Criminal Justice.
- ANNE K. GRAHAM, M.F.A. (Iowa), Professor Emerita of Art.
- FRANCES K. GRAHAM, Ph.D. (Yale), Professor Emerita of Psychology.
- ALLEN M. GRANDA, Ph.D. (Brown), Professor Emeritus of Biological Sciences.
- IRWIN G. GREENFIELD, Ph.D. (Pennsylvania), Unidel Professor Emeritus of Engineering.
- JOHAN J. GROOT, Ph.D. (Amsterdam), Professor Emeritus of Delaware Geological Survey and Geology.
- GEORGE F.W. HAENLEIN, Ph.D. (Wisconsin), Professor Emeritus of Animal and Food Sciences.
- DAVID HALLENBECK, Ph.D. (SUNY, Albany), Professor Emeritus of Mathematical Sciences.
- ARTHUR HALPRIN, Ph.D. (Pennsylvania), Professor Emeritus of Physics and Astronomy.
- ROBERT HANNAH, M.E. (Delaware), Professor Emeritus of Health and Exercise Sciences.

- HOWARD H. HARLAN, Ph.D. (Virginia), Professor Emeritus of Sociology and Criminal Justice.
- ROBERT N. HILL, Ph.D. (Yale), Professor Emeritus of Physics and Astronomy.
- ROBERT HOGENSON, Ph.D. (Michigan State), Professor Emeritus of Music.
- SVEND E. HOLSOE, Ph.D. (Boston University), Associate Professor Emeritus of Anthropology.
- WILLIAM I. HOMER, Ph.D. (Harvard), H. Rodney Sharp Professor Emeritus of Art History.
- HARRY D. HUTCHINSON, Ph.D. (Michigan), Professor Emeritus of Economics.
- CHARLES ROBERT KASE, Ph.D. (New York University), Professor Emeritus of Theatre.
- JOYCE L. KEE, M.S. (Maryland), Associate Professor Emerita of Nursing.
- BARBARA J. KELLY, Ph.D. (Delaware), Professor Emerita of Health and Exercise Sciences; also Professor Emerita of Women's Studies.
- DOROTHY A. KENNEDY, M.A. (Columbia), Associate Professor Emerita of Nursing.
- ROBERT W. KEOWN, Ph.D. (Louisville), Professor Emeritus of Animal and Food Sciences.
- NANCY KING, Ph.D. (Union Institute), Professor Emerita of Speech and Theatre.
- WALTER KIRCHNER, Ph.D. (California, Los Angeles), H. Rodney Sharp Professor Emeritus of History.
- ROBERT KRAFT, Ph.D. (Syracuse), Professor Emeritus of Health and Exercise Science.
- JOHN J. KRAMER, Ph.D. (Carnegie Institute of Technology), Professor Emeritus of Electrical and Computer Engineering.
- JAMES R. KRUM, D.B.A. (Michigan State), Professor Emeritus of Business Administration.
- JANE M. LAMB, Ph.D. (Tennessee), Professor Emerita of Consumer Studies.
- HENRY N. LEE, JR., M.A. (Columbia), Associate Professor Emeritus of Music.
- CHARLES M. LESLIE, Ph.D. (Chicago), Professor Emeritus, College of Arts and Science.
- BERTRAM LEVIN, Ph.D. (Wisconsin), Professor Emeritus of Economics.
- RICHARD J. LIBERA, Ph.D. (Rutgers), Professor Emeritus of Mathematical Sciences.
- TAILIU, Ph.D. (Indiana), Professor Emeritus of History.
- LOUISE LITTLE, Ph.D. (Wisconsin), Associate Professor Emerita of Nutrition and Dietetics.
- ALBERT E. LIVINGSTON, Ph.D. (Rutgers), Professor Emeritus of Mathematical Sciences.
- STEPHEN LUKASHEVICH, Ph.D. (California, Berkeley), Professor Emeritus of History.
- EDWARD LURIE, Ph.D. (Northwestern), Professor Emeritus of History.
- ALBERT JON MAGOON, Ph.D. (Pittsburgh), Associate Professor Emeritus of Education.
- WILLIAM MARKELL, Ed.D. (Columbia), C.P.A., Arthur Andersen Professor Emeritus of Accounting.
- CHARLES D. MARLER, Ph.D. (Stanford), Associate Professor Emeritus of Education.
- RONALD E. MARTIN, Ph.D. (Boston), Professor Emeritus of English.
- VICTOR MARTUZA, Ph.D. (Maryland), Associate Professor Emeritus of Education.
- WALLACE H. MAW, Ed.D. (Cincinnati), Professor Emeritus of Individual and Family Studies.
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## Graduate Studies

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## Library

SUSAN BRYNTESON, M.A.L.S. (Wisconsin), Librarian and The May  
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CATHERINE WOJEWODZKI, M.L.S. (Rutgers), Librarian, Reference Department.

### Professional And Continuing Studies

JAMES K. BROOMALL, Ed.D. (Penn State), Assistant Provost and Director; also Assistant Professor, Education.

ANNE M. ADKINS-DePAUL, M.P.A. (Delaware), Program Specialist, Evening and Off-Campus Credit Programs.

SUSAN BOUDREAUX, M.S.W. (Boston University), Senior Counselor, ACCESS Center.

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ALLAN G. FANJOY, M.A. (Montclair), Administrator, Special Sessions.

RUTH M. FLEXMAN, Ph.D. (Delaware), Coordinator, Academy of Lifelong Learning.

RUTH HURST, B.S. (Delaware), Program Specialist, Continuing Professional Education.

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### Scholarships And Student Financial Aid

JOHNIE A. BURTON, M.A. (Delaware), Director.

GEORGIA BOINES, M.Ed. (Delaware), Senior Assistant Director.

REYNALDO BLANCO, B.S. (Delaware), Financial Aid Officer.

TAURENCE CHISHOLM, B.S. (Delaware), Assistant Director.

JAMES A. DAVIS, B.S. (University of Maryland), Financial Aid Officer.

JAMES R. HOLLOWAY, B.S. (Delaware), Associate Director.

PETER A. MALINOWSKI, B.A. (Delaware), Assistant Director.

LAURA E. RUPERT, B.A. (Delaware), Assistant Director.

DONNA M. STAATS, M.A. (Delaware), Assistant Director.

### Undergraduate Research Program

JOAN S. BENNETT, Ph.D. (Stanford), Coordinator; also Professor, English.

SUSAN T. SERRA, M.A. (Delaware), Assistant Coordinator.