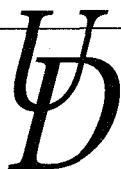




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UNIVERSITY OF DELAWARE
2005-2006

THE UNIVERSITY OF DELAWARE



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(As of February 2005)

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THE UNIVERSITY STAFF

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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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.
JAMES THOMAS SIMS, Ph.D. (Michigan State), Associate Dean for Academic Programs and Research; also T.A. Baker Professor, Plant and Soil Sciences.
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

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

Adjunct Appointments

Adjunct Faculty: ARBA HENRY.

ANIMAL AND FOOD SCIENCES

LIMIN KUNG, Ph.D. (Michigan State), Professor and Interim Chair: Ruminant nutrition and 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, Ph.D. (Delaware), Researcher Associate II.
TRAVIS BLISS, Ph.D. (Delaware), Limited Term Researcher.
CYNTHIA M. BOETTGER, B.S. (Delaware), Research Associate II.
JOAN BURNSIDE, Ph.D. (Dartmouth), Professor; also Professor, Biological Sciences.
HAIQIANG CHEN, Ph.D. (Penn State), Assistant Professor: Food Processing.
LARRY A. COGBURN, Ph.D. (Illinois), Professor: Avian physiology.
CATHERINE G.A. DAVIES, Ph.D. (Leeds University), Assistant Professor: Food biochemistry/biotechnology.
JOHN E. DOHMS, Ph.D. (Ohio State), Professor: Immunology and microbiology.
KRISTI MOORE DORSEY, Ph.D. (Georgia), Scientist.
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.
DONGSHENG GUAN, Ph.D. (Washington State), Limited Term Researcher.
DALLAS G. HOOVER, Ph.D. (Minnesota), Professor: Food microbiology, biotechnology, fermentations, food safety.
NING HUANG, B.S. (Oklahoma), Research Associate III.
GRACE K. ISAACS, B.S. (Delaware), Research Associate II.
CLAIRE C. JACKLIN, Research Associate I.
ROLF D. JOERGER, Ph.D. (North Carolina State), Associate Professor: Microbial genetics and physiology.
BREWSTER KINGHAM, M.S. (Delaware), Research Associate III.
KALMIA E. KNIEL-TOLBERT, Ph.D. (Virginia Polytechnic University and State University), Assistant Professor: Food Virology.
BRIAN S. LADMAN, M.S. (Delaware), Research Associate III.
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.
MARK PARCELLS, Ph.D. (Delaware), Associate Professor of Avian virology.
MICHAEL E. PERSIA, Ph.D. (Illinois), Limited Term Researcher.
CONRAD R. POPE, D.V.M. (Tuskegee), Professor: Veterinary pathology.
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.
DANIEL SEVERSON, B.S. (Delaware), Lab Coordinator.
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, M.S., (Delaware), Research Associate II.
FENGONG XI, Ph.D. (China), Limited Term Researcher.

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, P.E., 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, P.E., 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, Ph.D. (Delaware), Scientist.
 JAMES L. GLANCEY, P.E., Ph.D. (California, Davis), Associate
 Professor: Mechanical design, mechanical and fluid power
 systems modeling.
 RONALD C. JESTER, P.E., 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, P.E., 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, P.E., Ph.D. (New York) Associate
 Professor: Poultry housing.

Adjunct Appointments

Adjunct Faculty: LENORE M. VASILAS.

ENTOMOLOGY AND WILDLIFE ECOLOGY

DOUGLAS W. TALLAMY, Ph.D. (Maryland), Professor and Chair:
 Insect behavioral ecology, effect of alien plants on food webs,
 plant-insect interactions.
 CHARLES R. BARTLETT, Ph.D. (N.C. State), Assistant Professor:
 Insect systematics; also curator of insect reference collection.
 Taxonomy and biodiversity of lant hoppers (Fulgoroidea).
 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, biological
 control of weeds.
 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.
 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), Associate Professor:
 Experimental economics.
 JOSHUA M. DUKE, Ph.D. (Wisconsin), Associate Professor:
 Environmental law, land use and resource economics; also
 Associate Professor, Legal Studies.
 PAUL P. EGGERMONT, Ph.D. (SUNY, Buffalo), Associate
 Professor: Nonparametric statistics, ill-posed problems, integral
 equations and image reconstruction.
 FRED ENGST, Ph.D. (Rutgers), Instructor: Statistics.
 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.
 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), Assistant Professor: 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.

Adjunct Appointments

Adjunct Faculty: DICCON BANCROFT, CHARLES McCALLUM,
 PAUL SCHIFFELBEIN, BRUCE STANLEY.

LONGWOOD GRADUATE PROGRAM IN PUBLIC HORTICULTURE

ROBERT E. LYONS, Ph.D. (Minnesota), Longwood Graduate
 Program Director; and Professor, Plant and Soil Sciences:
 Landscape horticulture.

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.

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.
- MONICA ACCERBI, M.A., Laboratory Coordinator: Plant biology.
- YUJI ARAI, Ph.D. (Delaware), Research Associate IV, Soil Chemistry.
- SUSAN S. BARTON, M.S. (North Carolina State), Instructor, Extension Specialist IV.
- GREGORY BINFORD, Ph.D. (Iowa State), Associate Professor: Soil and water quality.
- AMY BROADHURST, M.P.A. (Delaware), Assistant to the Chair.
- VALANN BUDISCHAK, B.A., Extension Associate IV: Ornamental horticulture.
- THOMAS A. EVANS, Ph.D. (Michigan State), Associate Professor: Vegetable pathology.
- BARBARA FARNWORTH, B.S. (Simon Fraser University), Research Associate II: Plant biology.
- JOHN J. FRETTE, Ph.D. (Georgia), Professor: Landscape horticulture.
- DAVID R. FREY, Ph.D. (Delaware), Associate Professor: Landscape horticulture.
- HUGH FRICK, Ph.D. (SUNY, Stony Brook), Associate Professor: Plant physiology.
- JEFFREY J. FUHRMANN, Ph.D. (North Carolina State), Professor: Soil microbiology.
- JANINE GANN, M.S. (Maine), Research Associate, Plant Biology.
- 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. Greenewalt Chair; also Professor, Chemistry and Biochemistry and Marine Studies: Plant molecular biology.
- NANCY GREGORY, M.S. (Penn State), Instructor and also Plant diagnostician, plant pathology.
- 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.
- TERESA HOLTON, B.A. (Delaware), Plant Growth Facility Manager.
- MARK ISAACS, Ph.D. (Virginia Tech), Instructor: Weed science and also Director Research and Education Center.
- YAN JIN, Ph.D. (California, Riverside), Associate Professor: Environmental soil physics.
- QUINTIN JOHNSON, B.S. (West Virginia), Extension Associate II, Weed science.
- SHAIL KAUSHIK, Ph.D. (Govind Ballabh Pant), Research Associate II, Plant biology.
- 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.
- JUNG-YOUN LEE, Ph.D. (Florida), Assistant Professor: Plant biology.
- ROBERT E. LYONS, Ph.D. (Minnesota), Professor and Coordinator of Longwood Graduate Program: Landscape horticulture.
- BLAKE C. MEYERS, Ph.D. (California, Davis), Assistant Professor: Plant biology.
- ROBERT P. MULROONEY, M.S. (Delaware), Plant Pathology Specialist/Agricultural Agent.
- KATHERINE MURRY, B.S. (Delaware), Research Associate I, Soil testing.

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.
 BARBARA SCOTT, B.S. (Delaware), Research Associate: Weed science.
 DARLA JANINE SHERRIER, Ph.D. (Texas A&M), Associate Professor: Plant biochemistry and plant microbe interactions.
 J. THOMAS SIMS, Ph.D. (Michigan State), T.A. Baker Professor: Soil chemistry and management; also Associate Dean for Academic Programs and Research, College of Agriculture and Natural Resources.
 FREDERIC SOURET, Ph.D. (Worcester Poly Institute), Limited Term Researcher: Plant biology.
 RICHARD W. TAYLOR, Ph.D. (Connecticut), Extension agronomy and soil science specialist.
 TIFFANY THOMAS, Ph.D. (California, Davis), Limited Term Researcher, Soil chemistry.
 SHAWN TINGLE, Extension Associate, Nutrient management and water quality.
 ROBERT UNIATOWSKI, B.S. (Delaware), Associate Scientist, Agronomy.
 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 and also Assistant Professor, Marine Studies.
 TRACY WOOTTEN, M. S. (Delaware), Extension Agent III, Horticulture.
 BYUNG-CHUN YOO, Ph.D. (Florida), DBI Fellow: Plant biology.
Joint and Adjunct Appointments
 Marine Studies: JOHN S. BOYER, GEORGE LUTHER, III.
 Adjunct Faculty: MILO AUKERMAN, ROBIN C. BUELL, THEODORE H. CARSKI, SEAN COUGHLAN, RICHARD HOWARD, ANTHONY KINNEY, DAN KUCERA, JOHN QUACKENBUSH, J. ANTONI RAFALSKI, HAJIME SAKAI, CASEY SCLAR, CHRIS TOWN, QUINN ZHU.

COLLEGE OF ARTS AND SCIENCES

OFFICE OF THE DEAN

THOMAS M. APPLE, Ph.D. (Delaware), Dean; also Professor: Chemistry and Biochemistry.
 ANN L. ARDIS, Ph.D. (University of Virginia), Associate Dean; also Professor: English.
 GRETCHEN BAUER, Ph.D. (Wisconsin), Associate Dean; also Associate Professor: Political Science and International Relations.
 GEORGE H. WATSON, Ph.D. (Delaware), Associate Dean; also Unidel Professor: Physics and Astronomy.
 HELEN EASTERLING WILLIAMS, Ed.D. (Delaware), Assistant Dean.
 MARY CLEVELAND, Administrative Coordinator.
 JULIE DEMGEN, B.A. (University of Wisconsin-Superior), Assistant to the Dean.
 RICHARD DUGGAN, B.A. (Elizabethtown College) IT Manager.
 KEVIN MCCULLEN, B.A. (St. Joseph's University) Director of Development.
 PAUL A. PUSECKER, III, M.S. (Penn State), Executive Officer.
 CYNTHIA W. SHENKLE, M. Ed. (Delaware), Interim Assistant Dean.
 DEE SMITH, B.A. (University of Delaware) 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), Professor; also Professor, Winterthur Program in Early American Culture.
 JILL E. NEITZEL, Ph.D. (Arizona State), Assistant Professor.
 THOMAS R. ROCEK, Ph.D. (Michigan), Associate Professor.
 PETER G. ROE, Ph.D. (Illinois), Professor.
 PETER M. WEIL, Ph.D. (Oregon), Associate Professor.

ART CONSERVATION

DEBRA HESS NORRIS, M.S. (Delaware), Henry Francis du Pont Chair in Fine Arts; 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.
 JOSEPH N. WEBER, Ph.D. (University of Chicago), Associate Professor of Conservation Science: Application of science to art and archaeology.
 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, BETTY FISKE, JOY GARDINER, KATHLEEN KIEFER, ANDREA KIRSH, EBENEZER KOTEI, JOHN KRILL, GREGORY LANDREY, BARBARA LEMMEN, MARGARET LITTLE, JENNIFER MASS, CATHERINE MATSEN, MICHAEL PODMANICZKY, BRUNO POULIOT, LOIS PRICE, JIM SCHNECK, ROBERTA TARBELL.

ART HISTORY

NINA ATHANASSOGLU-KALLMYER, Ph.D. (Princeton), Professor and Acting Chair: Eighteenth and nineteenth century European art.
 WENDY BELLION, Ph.D. (Northwestern), Assistant Professor: Eighteenth and early nineteenth century American art.
 H. PERRY CHAPMAN, Ph.D. (Princeton), Professor: Baroque art, especially seventeenth-century Dutch painting.
 MONICA DOMINGUEZ TORRES, Ph.D. (Toronto), Assistant Professor: Renaissance art and architecture in the Hispanic world.
 ANN E. GIBSON, Ph.D. (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 Material Culture Studies: American vernacular architecture and folk and ethnic art.
 LAWRENCE P. NEES, JR., Ph.D. (Harvard), Professor: Medieval art.
 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), Associate Professor:
Nineteenth and twentieth century European art.

Joint and Adjunct Appointments

Black American Studies: AMALIA AMAKI.
Museum Studies: HILTON BROWN, CHANDRA REEDY,
BRYANT F. TOLLES, JR.
University Museums and eighteenth and nineteenth century
European painting and painting in Spain: JANIS TOMLINSON.

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: Heart disease.
DAVID W. SMITH, Ph.D. (Wisconsin), Associate Professor and
Undergraduate Programs Director: Microbial ecology.
DEBORAH E. ALLEN, Ph.D. (Delaware), Associate Professor:
Science education.
WILLIAM J. CAIN, Ph.D. (Delaware), Assistant Professor:
Lipoprotein.
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.
KIRK CZYMMEK, Ph.D. (Michigan State), Associate Professor:
Imaging technologies.
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.
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.
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), 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 Director, Medical Scholars Program: Molecular biology,
cancer mechanisms, science education.
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.
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:
Reproduction in fish.
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.
Math & Science Edu. Res. Ctr.: RICHARD DONHAM.
Medical Technology: MARY ANN MCLANE, MARY BETH
MIELE.
Plant and Soil Sciences: JANINE SHERRIER.
University Associate in Arts Program: LAWRENCE A. CURTIS,
JOHN BARTLEY, SHARON S. TUCKER.

BIOMECHANICS AND MOVEMENT SCIENCE

LYNN SNYDER-MACKLER, P.T., Sc.D., F.A.P.T.A. (Boston
University), Academic Director; also Professor, Physical Therapy:
Neuromuscular physiology, applied anatomy, anterior cruciate
ligament injury.
SUNIL AGRAWAL, Ph.D. (Stanford), Professor, Mechanical
Engineering: Control of mechanical systems, robotics,
optimization.
DAVID A. BARLOW, Ph.D. (Indiana), Associate Professor, Health,
Nutrition and Exercise Sciences: Sport biomechanics, equine
biomechanics, anatomy.
KENNETH E. BARNER, Ph.D. (Delaware), Associate Professor,
Electrical and Computer Engineering: Biomedical signal and
image processing, human-computer interaction systems, and
universal access design.
STUART A. BINDER-MACLEOD, P.T., Ph.D., F.A.P.T.A. (Medical
College of Virginia), Professor and Chair, Physical Therapy:
Neurophysiology, relationship between activation frequency and
force output of skeletal muscle, muscle fatigue.
THOMAS S. BUCHANAN, Ph.D. (Northwestern), Professor and
Chair, Department of Mechanical Engineering: Musculoskeletal
modelling, EMG-driven biomechanical models, neural control of
arm postures, neuromuscular mechanisms of knee joint stability.
IRENE DAVIS, P.T., Ph.D., FACSM (Penn State), Professor,
Physical Therapy: Biomechanics, relationship between lower
extremity structure, mechanics and injury, running injuries, foot
orthotics, gait retraining.
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, Health, Nutrition and Exercise Sciences:
Integrative/exercise physiology of the cardiovascular system,
fluid-regulatory control mechanisms and autonomic reflexes with
application to hypertension.

- JAMES C. (Cole) GALLOWAY, P.T., Ph.D. (Arizona), Assistant Professor, Physical Therapy: Development of motor behaviors in early infancy, assessment and training of motor learning and coordination in high risk infants, normal and dysfunctional control of arm movements in adults.
- NANCY GETCHELL, Ph.D. (Wisconsin), Assistant Professor, Health, Nutrition and Exercise Sciences: Development of interlimb coordination in multilimb tasks, motor coordination and control in children with learning disabilities.
- GEOFFREY GUSTAVSEN, M.D. (University of Washington), Associate Professor, Health, Nutrition and Exercise Sciences: Sports medicine, electroacupuncture and ankle instability.
- SUSAN J. HALL, Ph.D. FACSM (Washington State), Professor and Chair, Health, Nutrition and Exercise Sciences: Low back pain prevention, clinical biomechanics.
- JILL HIGGINSON, Ph.D. (Stanford University), Assistant Professor, Mechanical Engineering: Neuro-musculo-skeletal biomechanics, simulation of human movement, optimization, normal and pathological gait.
- SLOBODAN JARIC, Ph.D. (University of Belgrade), Associate Professor, Health, Nutrition and 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.
- THOMAS W. KAMINSKI, Ph.D., A.T.C. (University of Virginia), Associate Professor and Director of Athletic Training, Department of Health, Nutrition and Exercise Sciences: Ankle instability, mild traumatic brain injuries in women's soccer, functional performance assessment for the lower extremity.
- MICHAEL KEEFFE, P.E., Ph.D. (Minnesota), Associate Professor, Mechanical Engineering: Geometric modeling of complex biological surfaces.
- CHRISTOPHER A. KNIGHT, Ph.D. (Massachusetts), Assistant Professor, Health, Nutrition 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), Director of the Center for Biomedical Engineering Research; Research Professor, Mechanical Engineering: Musculoskeletal modeling; biomechanical analysis of movement; assistive technology.
- FREEMAN MILLER, M.D. (Colorado), Department of Orthopedics, A.I. duPont Institute: Pediatric biomechanics, bone density, gait analysis of children with cerebral palsy.
- CHRIS MODLESKY, Ph.D. (University of Georgia): Assistant Professor, Health, Nutrition and Exercise Sciences: Tissue growth and development; physical activity, nutrition and bone; physical disabilities and tissue development; bone structure assessment.
- 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.
- AJAY K. PRASAD, Ph.D. (Stanford University), Associate Professor, Mechanical Engineering: Biofluids mechanics: flow and dispersion in the nasal passage and the upper respiratory airway.
- DARCY REISMAN, P.T., Ph.D. (Delaware), Assistant Professor, Physical Therapy; Academic Director, Neurologic and Older Adult Clinic: Movement disorders in persons with neurologic conditions, treatment development and implementation.
- JAMES G. RICHARDS, Ph.D. (Indiana), Professor and Associate Dean, College of Health and Nursing Sciences: Device design, measurement technique optimization, gait analysis, sport biomechanics.
- ROBERT F. ROGERS, Ph.D. (University of Pennsylvania), Assistant Professor, Electrical and Computer Engineering: Cardiovascular and respiratory control, in vivo neurophysiology, spike train encoding.
- WILLIAM C. ROSE, Ph.D. (Johns Hopkins University), Biomedical Signal Processing; cardiovascular and respiratory control systems.
- TODD ROYER, Ph.D. (Arizona State), Assistant Professor, Health, Nutrition and Exercise Sciences: Biomechanics and energetics of gait.
- KATHERINE S. RUDOLPH, P.T., Ph.D. (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, P.T., Ph.D. (Connecticut), Associate Professor, Physical Therapy: Coordination of functional movements, movement dysfunction, regulation of limb stiffness.
- JIAN-QIAO SUN, P.E., Ph.D. (Berkeley), Professor, Mechanical Engineering: Suppression of abnormal tremor, stability of human movement, intelligent rehabilitation devices, Smart knee brace for early gait training of stroke patients.

BLACK AMERICAN STUDIES

- JAMES M. JONES, Ph.D. (Yale), Director; also Professor, Psychology.
- HOWARD B. JOHNSON, Ph.D. (Oxford), Alumni Distinguished Professor of History and Black American Studies.
- AMALIA AMAKI, Ph.D. (Emory), Curator of the Paul R. Jones Collection.

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.
- THOMAS M. APPLE, Ph.D. (Delaware), Professor; also Dean of the College of Arts and Sciences.
- EUGENE G. MUELLER, Ph.D. (Harvard), Associate Professor and Assistant Chair for Graduate Studies: Biochemistry.
- ROBERT D. BACH, Ph.D. (MIT), Research Professor: Organic chemistry.
- BRIAN J. BAHNSON, Ph.D. (Brown), Associate Professor: Biochemistry.
- SHI BAI, Ph.D. (Utah), NMR Spectroscopist: Analytical chemistry.
- THOMAS P. BEEBE, JR., Ph.D. (Pittsburgh), Professor: Analytical chemistry.
- SVILEN BOBEY, (University of Notre Dame), Assistant 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.
- CECIL R. DYBOWSKI, Ph.D. (Texas), Professor: Physical chemistry.
- JOHN L. DYKINS, B.S. (Salford, UK), Mass Spectrometrists: 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), C. Eugene Bennett Professor: Analytical chemistry.
 SHARON NEAL, Ph.D. (Emory University), Associate Professor: Analytical chemistry.
 TATYANA POLENOVA, Ph.D. (Columbia), Assistant Professor: Physical 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 Science Education Coordinator: Chemical education.
 JOEL P. SCHNEIDER, Ph.D. (Texas A&M), Associate Professor: Organic chemistry.
 DOUGLASS F. TABER, Ph.D. (Columbia), Professor: Organic chemistry.
 ANDREW V. TEPLYAKOV, Ph.D. (Columbia), Associate 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.
 GLENN P. A. YAP, Ph.D. (Hawaii), X-ray Crystallographer: 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, ULHAS NAIK.
 Chemical Engineering: MARK A. BARTEAU, STANLEY I. SANDLER.
 Marine Studies: THOMAS M. CHURCH, GEORGE W. LUTHER, III.
 Materials Science: DARRIN POCHAN.
 Physics and Astronomy: KRZYSZTOF SZALEWICZ.
 Plant and Soil Sciences: PAMELA J. GREEN, DONALD L. SPARKS.
 Adjunct Faculty: LEO MANZER, ALBERT MAILACK, MANNY PANAR.

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. (MIT), Assistant Professor, Linguistics: Syntax, psycholinguistics, Native American languages.
 SANDRA CARBERRY, Ph.D. (Delaware), Professor, 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 and Director of Cognitive Science: Syntax, semantics, Quecha, Hebrew, Chinese.
 RALPH FERRETTI, Ph.D. (Alabama), Professor, Education; also Professor, Psychology: Argument and ill-defined problems.
 MARIKA GINSBURG-BLOCK, Ph.D. (University of Pennsylvania), Assistant Professor of Education: School psychology.
 ROBERTA GOLINKOFF, Ph.D. (Cornell), H. Rodney Sharp Professor, Education; H. Rodney Sharp Professor, Linguistics; and H. Rodney Sharp Professor, Psychology: Language acquisition, communication development, cognitive development, and psychology of reading.
 GABRIELLA HERMON, Ph.D. (Illinois), Professor, Education; also Professor and Interim Chair, 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.
 HELENE INTRAUB, Ph.D. (Brandeis), Professor, Psychology: Scene perception, visuo-spatial memory, pictorial representation.
 NANCY C. JORDAN, Ph.D. (Harvard), Associate Professor, Education: reading, language and learning disabilities.
 ANNA KLINTSOVA, Ph.D. (Moscow State University), Assistant Professor, Psychology: Developmental risk and family ethnotheory.
 NANCY LAVIGNE, Ph.D. (McGill University), Assistant Professor, Education: educational psychology.
 JULIE LEGATE, Ph.D. (MIT), Assistant Professor, Linguistics: Syntax, morphology, psycholinguistics.
 ALEXANDER LEHRMAN, Ph.D. (Yale), Associate Professor, Foreign Languages and Literature: Russian.
 CHARLES MACARTHUR, Ph.D. (American University), Associate Professor, Education: special education, reading and writing skills for LD students, vocational assessment of children.
 FREDERICK MASTERSON, Ph.D. (Princeton), Professor, Psychology: Animal learning, artificial intelligence, mathematical psychology.
 KATHLEEN F. MCCOY, Ph.D. (Pennsylvania), Professor, Computer and Information Sciences; also Professor, Linguistics: Artificial intelligence, natural-language generation and understanding, knowledge representation.
 JOHN MCLAUGHLIN, 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.
 ANNA PAPAFRAGOU, Ph.D. (University College London), Assistant Professor, Psychology and Linguistics: Psycholinguistics, language acquisition, language and cognition.
 ELIZABETH PEMBERTON, Ph.D. (Pennsylvania State), Assistant Professor, Education and Psychology; also Advisor, Undergraduate Advisement Office.
 JOEL PUST, Ph.D. (Arizona), Assistant Professor, Psychology: Philosophy of mind, epistemology.

PAUL QUINN, Ph.D. (Brown University), Professor, Psychology: perceptual organization, object categorization, and spatial representation.

THOMAS R. ROCEK, Ph.D. (Michigan), Associate Professor, Anthropology.

KAREN R. ROSENBERG, Ph.D. (Michigan), Associate Professor and Chair, Anthropology.

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.

VIJAY K. SHANKER, Ph.D. (Pennsylvania), Associate Professor, Linguistics: Artificial intelligence, natural language processing; also, Associate Professor, Computer and Information Sciences.

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

SATOSHI TOMIOKA, Ph.D. (Massachusetts), Associate Professor, Linguistics: Semantics, syntax, East Asian languages.

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

IRENE VOGEL, Ph.D. (Stanford), Professor, Linguistics: Phonology, morphology.

CHARLES YANG, Ph.D. (M.I.T.), Assistant Professor, Linguistics: computational linguistics, language acquisition and change, syntax.

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 Chair: Uses and effects of mass media, interface of personal and mediated communication.

RALPH BEGLEITER, M.A. (Columbia), Edward F. and Elizabeth Goodman Rosenberg Professor; also Distinguished Journalist in Residence, and 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.

BETH B. HASLETT, Ph.D. (Minnesota), Professor: Interpersonal and organizational communication; also Professor, Psychology: 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; also Director of undergraduate oral communication courses, multi-media presentation.

PHILLIP WESCOTT, M.A. (Indiana University), Instructor: Public relations and advertising.

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.

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) Associate Professor; also Associate Professor, Foreign Languages and Literatures.

COMPUTER AND INFORMATION SCIENCES

B. DAVID SAUNDERS, Ph.D. (Wisconsin), Professor; also Professor, Mathematical Sciences: Computer algebra, analysis of algorithms, parallel computation.

DANIEL L. CHESTER, Ph.D. (California, Berkeley), Associate Professor and Associate Chair; also Associate Professor, Linguistics: Artificial intelligence, natural language processing, theorem proving, knowledge representation.

PAUL D. AMER, Ph.D. (Ohio State), Professor; also Professor, Electrical and Computer Engineering: Computer networks, performance measurement, innovative transport layer services and protocols.

M. SANDRA CARBERRY, Ph.D. (Delaware), Professor; also Professor, Linguistics: Artificial intelligence, natural language understanding and generation, intelligent interfaces, user modeling.

JOHN CASE, Ph.D. (Illinois), Professor: Computational learning theory, computability theory, machine learning, lattice computers.

PHILIP CONRAD, Ph.D. (Delaware), Assistant Professor: Computer networks.

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.

JELENA MIRKOVIC, Ph.D. (UCLA), Assistant Professor: Network security, fault-tolerant networking, distributed systems, performance evaluation of network protocols and systems.

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), 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.

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), Associate 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.
 MARTIN SWANY, Ph.D. (California, Santa Barbara), Assistant Professor: High performance parallel and distributed computing, system and network support for distributed systems.
 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.
 Electrical and Computer Engineering: STEPHAN BOHACEK, CHARLES BONCELET, GUANG GAO, DAVID L. MILLS.
 Mathematical Sciences: ROBERT P. GILBERT.
 Adjunct Faculty: JOHN K. SCOGGIN, JR.

ENGLISH

STEPHEN A. BERNHARDT, Ph.D. (Michigan), Andrew B. Kirkpatrick, Jr., Chair in Writing and; also Professor and Chair.
 DEBORAH M. ALVAREZ, Ph.D. (Wisconsin), Assistant Professor: English Education/Writing.
 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.
 DEBORAH A. BIELER, Ph.D. (Pennsylvania), Assistant Professor: English Education/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), Associate Professor: Colonial American literature.
 MICHAEL A. COTSELL, Ph.D. (Birmingham), Associate Professor: Victorian literature, Twentieth-Century Drama.
 CARL DAWSON, Ph.D. (Columbia), Professor: Nineteenth century literature, autobiography.
 JAMES M. DEAN, Ph.D. (Johns Hopkins), Professor: Medieval literature.
 JOAN DeFATTORE, 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.
 SUSAN GOODMAN, Ph.D. (New Hampshire), H. Fletcher Brown Chair of Humanities and Professor: American literature and English education.
 STEVEN HELMLING, Ph.D. (Rutgers), Professor: Modern literature.
 CAROL HENDERSON, Ph.D. (California, Riverside), Associate Professor: African-American literature.

MELISSA IANETTA, Ph.D. (Ohio), Assistant Professor: Rhetoric and Composition; also Director of Writing.
 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), Cornelius A. Tilghman Professor of English: 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.
 BERNARD MCKENNA, Ph.D. (University of Miami, FL), Assistant Professor, British Modernism.
 DONALD C. MELL, Ph.D. (Pennsylvania), Professor: Eighteenth-century British literature.
 GEORGE MILLER, Ph.D. (Connecticut), Professor: Seventeenth century literature, bibliography.
 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), Associate 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.
 Film Studies: JAMES M. WELSH.
 Humanities: MARGARET D. STETZ.
 Adjunct Faculty:
 Romanticism: DONALD C. REIMAN.
 Victorian Literature and Cultural: STANLEY WEINTRAUB.

FINE ARTS AND VISUAL COMMUNICATIONS

VIRGINIA BRADLEY M.F.A. (South Florida), Professor and Chair:
 Painting, Mixed Media.
 ROBERT STRAIGHT, M.F.A. (Cranbrook Academy of Fine Arts),
 Professor: Painting, Associate Chair.
 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.
 VERA E. KAMINSKI, M.F.A. (Maryland Institute College of Art),
 Associate Professor: 3D Design.
 RENÉ MARQUEZ, M.F.A. (University of Pennsylvania), Associate
 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.
 PETER T. WILLIAMS, M.F.A. (Maryland Institute College of Art),
 Professor, Painting.
 LANCE WINN, M.F.A. (Cranbrook Academy of Art), Assistant
 Professor, Foundation and Graduate Studies.

Joint and Adjunct Appointments

Black American Studies: AMALIA AMAKI.
 Museum Studies: HILTON BROWN.

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.
 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.
 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 GUARDIOLA, Ph.D. (California, Berkeley), Assistant
 Professor: Spanish.
 LYSETTE F. HALL, M.A. (Paris XII), Instructor: French.
 STACEY L. HENDRIX, M.A. (Colorado State), Instructor: Spanish.
 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.
 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.
 MARK MILLER, Ph.D. (Delaware), Assistant Professor: Japanese.
 KRYSZYNA 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.
 MEREDITH K. RAY, Ph.D. (Chicago), Assistant Professor: Italian.
 WILLY RIEMER, Ph.D. (Yale), Associate Professor: German.
 BONNIE A. ROBB, Ph.D. (Bryn Mawr), Associate Professor:
 French.
 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; also Professor and Acting Director, Women's Studies.
 DEBORAH B. STEINBERGER, Ph.D. (New York), Associate
 Professor: French and comparative literature.
 BRUNO THIBAULT, Ph.D. (Paris X) and Ph.D. (Maryland),
 Professor: French.
 ELIZABETH K. THIBAULT, M.A. (Maryland), Instructor: German.
 SUZANNE TIERNEY-GULA, M.A. (Delaware), Instructor: 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), 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.

DELPHIS F. LEVIA, Ph.D. (Clark), Assistant Professor: Forest hydrology, biometeorology, biogeochemistry, field methods and instrumentation.

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

MICHAEL A. O'NEAL, Ph.D. (University of Washington), Assistant Professor: Glacial and fluvial geomorphology, Quaternary geology and geochronology, geographical information systems.

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.
Urban Affairs and Public Policy: DAVID L. AMES.
Adjunct Faculty: WILLIAM J. COHEN.

GEOLOGY

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

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.

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: A. SCOTT ANDRES, RICHARD N. BENSON, THOMAS E. McKENNA, PETER MCLAUGHLIN, KELVIN RAMSEY, WILLIAM SCHENCK, JOHN TALLEY.
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 R HABER, Ph.D. (Pennsylvania), Richards Chair of History and 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, 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.

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

DARRYL FLAHERTY, Ph.D. (Columbia), Japanese history, East Asian civilizations.

J. RITCHIE GARRISON, Ph.D. (Pennsylvania), Professor; also Associate Director, Winterthur Program in Early American Culture: eighteenth and nineteenth century U.S. history and material culture.

CHRISTINE L. HEYRMAN, Ph.D. (Yale), Unidel Distinguished Professor of History: American Colonial history, history of American religion.

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

BARRY JOYCE, Ph.D. (California, Riverside), Associate Professor: 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 and Revolutionary history, and Atlantic world history; also, Graduate Studies Director.

RUDI MATTHEE, Ph.D. (California, Los Angeles), 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 Asian history, Vietnam.

ARWEN MOHUN, Ph.D. (Case Western), Associate Professor: 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 Director, East Asian Studies Program: Modern China, modern East Asia, Chinese institutional 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: European technology, Soviet history.

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

SUSAN STRASSER, Ph.D. (SUNY Stony Brook), Professor; also Coordinator, University of Delaware - Hagley Program: American industrialization, U.S. social and cultural history since 1873, U.S. business history.

DAVID SUISMAN, Ph.D. (Columbia), Assistant Professor: American cultural and economic history, music and popular culture, history of the senses.

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), Associate Professor: Modern France, French Empire, West Africa.

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

Secondary Appointments

BERNARD L. HERMAN: Edward and Elizabeth Rosenberg Professor of Art History; Director, Center for Materials Culture Studies; Professor of Urban Affairs; Professor of History.

HOWARD B. JOHNSON: Alumni Distinguished Professor of History and Black American Studies.

ERIC W. RISE: Associate Professor, Criminal Justice.

FARLEY GRUBB: Professor, Economics.

LEGAL STUDIES

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

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

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

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), Associate Professor; also Associate Professor, Food and Resource Economics.

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

JEREMY M. FIRESTONE, Ph.D. (North Carolina), J.D. (Michigan), Assistant Professor; also Assistant Professor of Marine Policy: International and U.S. Ocean and Coastal Law and Policy.

BENJAMIN FLEURY-STEINER, Ph.D. (Northeastern), Assistant Professor; also Assistant Professor of Sociology and Criminal Justice.

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.

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

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.

RAYMOND B. WOLTERS, Ph.D. (California, Berkeley), Professor,

also Professor, History: history of American race relations.

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), Associate Professor, Associate in Arts Program.

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

GABRIELLA HERMON, Ph.D. (Illinois), Professor and Interim Chair: Syntax, language acquisition, bilingualism.

MARIKA GINSBURG-BLOCK, Ph.D. (University of Pennsylvania), Assistant Professor of Education: School psychology.

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.

ANNA KLINTSOVA, Ph.D. (Moscow State University), Assistant Professor, Psychology: Developmental risk and family ethnotheory.

JULIE LEGATE, Ph.D. (M.I.T.), Assistant Professor, Linguistics: Syntax, morphology, psycholinguistics.

NANCY LEE SCHWEDA-NICHOLSON, Ph.D. (Georgetown), Professor: Interpretation, bilingualism, French; also Professor, Legal Studies.

ANNA PAPAFRAGOU, Ph.D. (University College London), Assistant Professor, Psychology and Linguistics: Psycholinguistics, language acquisition, language and cognition.

SATOSHI TOMIOKA, Ph.D. (Massachusetts), Associate Professor; also Director of Graduate Studies: Semantics, syntax, East Asian linguistics.

IRENE B. VOGEL, Ph.D. (Stanford), Professor; also Director, Undergraduate Studies in Linguistics: Phonology, morphology, Romance languages.

CHARLES D. YANG, Ph.D. (M.I.T.), Assistant Professor, Linguistics: Computational linguistics, language acquisition and change, syntax.

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

PETER B. MONK, Ph.D. (Rutgers), Unidel Professor: Numerical analysis.

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.

CONSTANTIN BACUTA, Ph.D. (Texas A&M), Assistant Professor: Numerical Methods for PDE.

DAVID P. BELLAMY, Ph.D. (Michigan State), Professor: Topology.

RICHARD BRAUN, Ph.D. (Northwestern), Professor: Perturbation, computational methods.

MICHAEL A. BROOK, Ph.D. (Northeastern Illinois), Instructor: Mathematics Education, Preparatory Math.

JINFANG CAI, Ph.D. (Pittsburgh), 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), Associate 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), Carl J. Rees Professor in Mathematics: 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.

D. RUSSELL LUKE, Ph.D. (University of Washington), Assistant Professor: Optimization and Inverse Problems.

PATRICK F. MWERINDE, Ph.D. (Columbia), Assistant Professor: Mathematics Education, Preparatory Math.

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), Associate 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.

ANJA K. STURM, Ph.D. (University of Oxford, UK), Probability Theory.

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: RAVI AGARWAL, PAT HAGAN, ALAN JEFFREY, RAINER KRESS, EMEKA NWANKO, LASSI PAIVARINTA, GARY ROACH, WOLFGANG WENDLAND.

MILITARY SCIENCE

ROBERT S. BROWN, M.M.A.S. (U.S. Army Command & General Staff College), Lieutenant Colonel, United States Army; Chair and Commander.

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

JANICE A. TOMLINSON, Ph.D. (Pennsylvania), Acting Director; also Director, University Museums, and Professor, Art History.

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

J. RITCHIE GARRISON, Ph.D. (Pennsylvania), Director, WPEAC; also Professor, History.

HILTON E. BROWN, M.F.A. (Art Institute of Chicago), Professor; also Harriet T. Baily 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 Professor; also 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.

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

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

NICOLE CLOUSER, M.M. (Northwestern), Instructor: Choral ensembles and class piano.

DANIEL COLE, M.M. (Indiana University), Instructor: Voice and opera workshop.

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), Associate 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), Associate 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.

JEAN-RONALD LAFOND, D.M.A. (University of Michigan), Visiting Assistant Professor: Voice and opera workshop.

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.

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

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

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

LAWRENCE STOMBERG, D.M.A. (State University of New York at Stony Brook), Assistant Professor: Violoncello.

BRIAN STONE, D.M.A. (Peabody), Assistant Professor: Orchestra.

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.

Joint Appointments

Education: FRED T. HOFSTETTER.

Adjunct Faculty: JAN BROSKE, KIMBERLY DOUCETTE, JON GAARDER, ANNE GROSS, TODD GROVES, JILL HANNAGAN, VERNON JAMES, VINCE MARINELLI, ANDREAS MEYER, RANAAN MEYER, MICHAEL MORGAN, MICHAEL O'CONNOR, TOM PALMER, JOHN SARRO, REBECCA SILER, ANNE SULLIVAN, 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.

ALAN D. FOX, Ph.D. (Temple), Associate Professor: Asian and comparative philosophy, comparative religion.

AMIT HAGAR, Ph.D. (University of British Columbia), Assistant Professor: Philosophy of Physics, Philosophy of Science.

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), Associate 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., FAPTA, P.T. (Medical College of Virginia), Professor and Chair: Electrical stimulation parameters on muscle performance.

IRENE S. DAVIS, Ph.D., P.T. (Penn State), Professor: Biomechanical analysis of running injuries.

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.
PAUL F. METTLER, Ed.D., P.T. (Northeastern), Associate
Professor: Higher education administration.
DARCY REISMAN, Ph.D., P.T. (St. Scholastics), Assistant
Professor: Analysis of disorder movement control in persons with
neurologic conditions.
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
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), Associate Professor:
Condensed matter, strongly correlated systems, superconductivity
and granular materials.
MARIANNA SAFRONOVA, Ph.D. (Notre Dame), Assistant
Professor: Theoretical atomic physics and quantum computation.
HARRY L. SHIPMAN, Ph.D. (California Institute of Technology),
Annie Jump Cannon Chair of Physics and Astronomy: 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), Associate
Professor: Experimental atomic, molecular, and optical physics.
GEORGE H. WATSON, Ph.D. (Delaware), Unidel Professor and
Associate Dean of College of Arts and Sciences for Natural
Sciences and Mathematics: Laser spectroscopy of condensed
matter.
BARBARA A. WILLIAMS, Ph.D. (Maryland), Associate Professor:
Astronomy and astrophysics, radio astronomy and groups of
galaxies.
JOHN Q. XIAO, Ph.D. (Johns Hopkins), 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.
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), Martin A. Pomerantz
Professor of Physics: 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.
STANLEY P. OWOCKI, Ph.D. (Colorado), Professor: Astrophysics,
stellar atmospheres, winds and disks.
DAVID SECKEL, Ph.D. (Washington), 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 Chairperson:
Public law.
GRETCHEN BAUER, Ph.D. (Wisconsin), Associate Professor; also
Associate Dean, College of Arts and Sciences; African and
comparative politics, women and politics.
ALICE BA, Ph.D. (Virginia), Assistant Professor and Undergraduate
Director: 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: 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.
JANET B. JOHNSON, Ph.D. (Cornell), Associate Professor; also
Associate Professor, Urban Affairs and Public Policy:
Environmental policy, state and local government, research
methods.
M. A. MUQTEDAR KHAN, Ph.D. (Georgetown), Assistant
Professor: International relations and comparative politics.
STUART KAUFMAN, Ph.D. (University of Michigan), Professor:
International relations.

WILLIAM H. MEYER, Ph.D. (Iowa), Professor: International relations.

MARK J. MILLER, Ph.D. (Wisconsin), Emma Smith Morris Professor in Political Science and International Relations: Comparative politics.

JASON MYCOFF, Ph.D. (Ohio State), Assistant Professor: American Government Institutions, Methodology.

MARIAN L. PALLEY, Ph.D. (New York University), Professor; also, Professor, Urban Affairs and Public Policy, also Professor, College of Marine Studies, also 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. RASMUSION, Ph.D. (University of Washington), Assistant Professor: Public law and political theory.

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.

Education: JAN BLITS.

Marine Studies: BILIANA 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.

MARY DOZIER, Ph.D. (Duke), Amy E. du Pont Chair in Child Development and 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.

ADELE HAYES, Ph.D. (State University of New York), Associate Professor: Depression and personality disorders.

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; also Director, Black American Studies.

ANNA KLINTSOVA, Ph.D. (Moscow State University), Assistant Professor: Developmental risk and family ethnotheory.

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.

BETH A. MORLING, Ph.D. (University of Massachusetts, Amherst), Assistant Professor: Social and personality psychology, cultural psychology.

DAVID P.M. NORTHMORE, Ph.D. (Sussex, England), Professor; also Coordinator, Neuroscience: Neurophysiology of vision and visual development.

ANNA PAPAFRAGOU, Ph.D. (University College London), Assistant Professor: Psycholinguistics, language acquisition, language and cognition.

PAUL C. QUINN, Ph.D. (Brown University), Professor: Developmental Cognitive Science.

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.

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 Associate 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. (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.

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

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

AARON FICHTELBERG, Ph.D. (Emory), Assistant Professor: Philosophy of law, ethics, political philosophy.

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

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.

LANA D. HARRISON, Ph.D. (Michigan), 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.
 VIVIAN L. KLAFF, Ph.D. (Wisconsin), Associate Professor: Demography, urban sociology.
 CAROL C. MARKS, Ph.D. (New York University), Professor: Race/ethnic/minority relations, urban sociology.
 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.
 CYNTHIA ROBBINS, Ph.D. (Michigan), Professor: Substance abuse, deviance, social epidemiology.
 HAVIDAN RODRIGUEZ, Ph.D. (Wisconsin), Professor, Demography, Sociology of disasters and Latino/a Sociology, also Director, Disaster Research Center.
 IVAN Y. SUN, Ph.D. (SUNY, Albany), Assistant Professor: Policing, theoretical criminology, comparative criminal justice.
 GERALD M. TURKEL, Ph.D. (California, Santa Barbara), Professor: Social theory, social psychology; also Professor, Legal Studies.
 TRICIA WACHTENDORF, Ph.D. (Delaware), Assistant Professor: Sociology of disasters, collective behavior, qualitative methods.
Joint and Adjunct Appointments
 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.
 KRISTIN BRADY, M.F.A. (University of Delaware), Program Coordinator.
 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.
 DEENA BURKE, Certificate (The Julliard School), Associate Professor: Stage speech, voice 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.
 STEFANIE L. HANSEN, M.F.A. (San Diego State University), Assistant Professor: Scenic and Property Design.
 HEINZ-UWE HAUS, Ph.D. (Humboldt), Professor: Acting, directing, theatre history.
 BARBARA HUGHES, Costume Manager.
 NADINE HOWATT, M.F.A. (Rutgers), Coordinator of Development, Marketing and Public Relations.
 LESLIE REIDEL, M.F.A. (Temple), Professor: Acting, directing.
 TINA SHEING, Audience Services Manager.
 EILEEN T. SMITHEIMER, B.A. (Purdue), Associate Professor: Technical Production.

NEAL ANN STEPHENS, M.F.A. (Yale), Production Manager.
 FRITZ SZABO, M.F.A. (Syracuse), Scenic and Lighting Designer.
 STEVE J. TAGUE, M.F.A. (Wisconsin), Associate Professor: Stage speech, voice production.
 ANTOINETTE TRAINOR, Assistant to the Chair.
 JEWEL H. WALKER, Edward F. and Elizabeth Goodman Rosenberg 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), Director; also Associate Professor, History: Colonial period, material culture.
 WENDY BELLION, Ph.D. (Northwestern), Assistant Professor, Art History: Eighteenth century and early nineteenth century American art.
 ANNE BOWLER, Ph.D. (New School for Social Research), Associate Professor: Cultural theory, sex and gender.
 ANNE BOYLAN, Ph.D. (Wisconsin), Professor, History: Women's studies, antebellum America.
 MARTIN BRUECKNER, Ph.D. (Brandeis), Assistant Professor: Colonial American literature.
 LUANN DE CUNZO, Ph.D. (Pennsylvania), 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), Richards 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 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.
 J.A. LEO LeMAY, Ph.D. (Pennsylvania), Winterthur Professor, English: Colonial American literature.
 CATHY MATSON, Ph.D. (Columbia), 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: CATHERINE COONEY, WENDY COOPER, LINDA EATON, PAULINE EVERSMAAN, DONALD L. FENNIMORE, LESLIE GRIGSBY, PATRICIA HALFPENNY, BROCK JOBE, RICHARD McKINSTRY, ANNE VERPLANCK.

WOMEN'S STUDIES

MONIKA SHAFI, Ph.D. (Maryland), Professor and Acting Director; also Elias Ahuja Professor of Foreign Languages and Literatures.
 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 Dean, Social Sciences and History; also Associate Professor, Political Science.

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.

ANNETTE GIESECKE, Ph.D. (Harvard), Associate Professor; also Associate 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 Chair, 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.

RUDOLF MATTHEE, Ph.D. (California, Los Angeles), Professor; also 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.

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

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

LINDA PELLECCIA, 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/ MECHANICAL HALL/ MINERALOGICAL MUSEUM

JANIS A. TOMLINSON, Ph.D. (University of Pennsylvania), Director, University Museums; also Acting Director, Museum Studies, and Professor, Art History.

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

JANET R. BROSKE, M.A. (Delaware), Curator, University Museums.

TIM GOECKE, M.F.A. (California Institute of the Arts), Head Exhibition Designer.

UNIVERSITY ASSOCIATE IN ARTS PROGRAM

UD Academic Center - Wilmington

JOHN A. BARTLEY, Ph.D., (Delaware), Faculty Coordinator, Wilmington; also Assistant Professor of Biology.

CHERYL DAVIS-ROBINSON, M.A. (Indiana University of Pennsylvania), Administrative Academic Advisor.

JOHN D. ANDERSON, Ph.D. (Delaware), Associate Professor of Mathematics.

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.

UD Academic Center - Dover

SHARON S. TUCKER, Ph.D. (Rutgers), Faculty Coordinator, Dover; also Associate Professor of Biology.

RENEE FISHER, M.Ed. (Pennsylvania), Administrative Academic Advisor.

BARBARA Z. CHRISTENSEN, M.A. (Delaware), Assistant Professor of English.

CARLA C. MORRIS, Ph.D. (Delaware), Assistant Professor of Mathematics.

UD Academic Center - Georgetown

J. RICHARD BACON, M.S. (Tennessee), Faculty Coordinator, Georgetown; also Coordinator of Southern Delaware Academic Programs.

MARY C. MILLER, M.Ed. (Loyola), Senior Counselor; also Senior Counselor for ACCESS Center of Professional and Continuing Studies.

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.

JOHN T. DEINER, Ph.D. (Rutgers), Associate Professor of Political Science and International Relations.

NANCY S. HALL, M.A. (Delaware), Associate Professor of Mathematics.

JAMES KEEGAN, Ph.D. (Delaware), Assistant Professor of English.

RUTH S. MULFORD, M.A. (Yale), Instructor of Music.

NORMAN S. PASSMORE, Ph.D. (Delaware), Assistant Professor of Mathematics.

UNIVERSITY WRITING CENTER

GILDA TEIXIDO 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.
 LINDA DUNN, Ed. D. (Delaware), Manager of Communications and Outreach.
 GLORIA Z. DIODATO, M.B.A. (Delaware), Assistant Dean.
 MARCIA R. ROLLISON, M.A. (New Hampshire), Assistant Dean.
 LINDA SOMERS, B.S. (Delaware), Business Manager.

ACCOUNTING AND MANAGEMENT INFORMATION SYSTEMS

E. KENT ST. PIERRE, Ph.D. (Washington), C.P.A., Arthur Andersen Alumni Professor and Chair: Financial accounting.
 JACK BAROUDI, Ph.D. (NYU), Professor; also, Associate Dean, Lerner College of Business Economics: Management information systems.
 JOSEPH A. BRADY, Ph.D. (Delaware), Instructor: Management information systems.
 JINWEI CAO, Ph.D. (Arizona), Assistant Professor: Management information systems.
 DALE BUCKMASTER, Ph.D. (Penn State), C.P.A., Professor: Financial accounting.
 SPRING DAVIDSON, B.S. (UMBC), 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.
 DEBRA DRAGONE, M.S. (Delaware), Instructor: Accounting.
 ANDREA EVERARD, Ph.D. (Pittsburgh), Assistant Professor: Management information systems.
 GUIDO GEERTS, Ph.D. (Free University of Brussels), Associate Professor: Accounting information systems.
 JACKSON F. GILLESPIE, Ph.D. (Virginia Tech), C.M.A., Associate Professor: Management accounting.
 MICHAEL J. GINZBERG, Ph.D. (MIT), Chaplin Tyler Professor of Business; also Dean, Lerner College of Business and Economics: Management information systems.
 DAVID S. JENKINS, Ph.D. (Maryland), C.P.A., Assistant Professor: Auditing and financial accounting.
 THOMAS JOHNSTON, B.S. (Indiana - PA), Instructor: Management information systems.
 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: Accounting 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; also Professor, Psychology: Management.
 JOHN H. ANTIL, Ph.D. (Penn State), Associate Professor: Marketing.
 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.
 ERIC FANG, Ph.D. (Missouri), 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), Chaplin Tyler Professor of Business; also Dean, Lerner College of Business and Economics: Management information systems.
 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), Associate Professor: Operations management.
 TAI GYU KIM, Ph.D. (Carnegie Mellon), Assistant Professor: Management.
 JOHN L. KMETZ, D.B.A. (Maryland), Associate Professor: Management.
 YASEMIN KOR-SEBECZEK, 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.
 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.
ANU SIVARAMAN, Ph.D. (Houston), Assistant Professor:
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:
International economics.
DAVID E. BLACK, Ph.D. (M.I.T.), Associate Professor: Public
economics.
JAMES L. BUTKIEWICZ, Ph.D. (Virginia), Professor:
Macroeconomics.
ELEANOR D. CRAIG, M.A. (Pennsylvania), Associate Professor:
Public economics.
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), Professor:
Econometrics.
FARLEY GRUBB, Ph.D. (Chicago), Professor; also Professor,
History: Economic history.
WILLIAM HARRIS, Ph.D. (Virginia Tech), Associate Professor:
Microeconomics.
KOLVER HERNANDEZ-ARREORTUA, Ph.D. (Boston), Assistant
Professor: Monetary economics.
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:
Comparative systems.
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.

JORGE SOARES, Ph.D. (Rochester), Assistant Professor:
Macroeconomics.
DAVID R. STOCKMAN, Ph.D. (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

PAUL A. LAUX, Ph.D. (Vanderbilt), Professor and Chair.
M. ANDREW FIELDS, Ph.D. (Virginia Tech), Associate 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.
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.
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.
KRISTINE M. VLIET, M.B.A. (Drexel), 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

- JOSEPH J. THOMPSON III, M.S. (Troy State University), Lieutenant Colonel, United States Air Force; Professor and Chair.
ANN M. D. STEVENSON, M.B.A. (Touro University), Captain, United States Air Force; Assistant Professor.
TODD A. WALKER, M.S. (Wilmington College, Ohio), Captain, United States Air Force; Assistant Professor.

BIOENGINEERING

- THOMAS S. BUCHANAN, Ph.D. (Northwestern), Professor and Chair of Mechanical Engineering; also Director of the Center for Biomedical Engineering Research.
KENNETH E. BARNER, Ph.D. (Delaware), Professor of Electrical and Computer Engineering: Biomedical engineering, biological signal processing, human-computer interaction.
PRASAD S. DHURJATI, Ph.D. (Purdue), Professor of Chemical Engineering: Biosystems modeling, bioprocess engineering.
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 of Mechanical Engineering: Orthopaedic biomechanics, tissue mechanics, mathematical modeling.
ABRAHAM M. LENHOFF, Ph.D. (Wisconsin), Gore Professor of Chemical Engineering: Bioengineering, transport phenomena.
BABATUNDE A. OGUNNAIKE, Ph.D. (Wisconsin), William L. Friend Professor of Chemical Engineering: Process control, modeling and simulation, product and process engineering, systems biology.
CHRISTOPHER J. ROBERTS, Ph.D. (Princeton), Assistant Professor of Chemical Engineering: protein stabilization; biopharmaceutical engineering.
ANNE SKAJA ROBINSON, Ph.D. (Illinois), Associate Professor of Chemical Engineering: Cellular engineering, protein folding and aggregation, protein engineering.
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), Robert L. Pigford Chair; also Professor and Chair, 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.), Arthur B. Metzner 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), Professor: Synthesis, crystal growth, and characterization of materials for applications in superconductivity, catalysis and fast ion conduction.
JINGGUANG G. CHEN, Ph.D. (Pittsburgh), Professor; also Director, Center for Catalytic Science and Technology: Surface and interface, nanostructured devices and sensors, environmental catalysis.
PRASAD DHURJATI, Ph.D. (Purdue), Professor: Biochemical engineering, process control, artificial intelligence.
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), Gore 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), William L. Friend 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 Chair; 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, nonphase 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, R. BERTRUM DIEMER, DOUGLAS J. DOREN, WILLIAM E. FARNETH, ROBERT K. GRASSELLI, KRISTI L. KIICK, STEVEN R. LUSTIG, JAMES E. LYONS, WILLIAM H. MANOGUE, JOHN R. RICHARDS, MARK R. SCHURE, JAMES S. SCHWABER, KLAUS H. THEOPOLD, JEAN-FRANCOIS TOMB, KURT F. WISSBRUN.
Off-Campus Faculty: ARTHUR W. ETHELLES, 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, P.E., 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), Edward C. Davis 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, Delaware Center for Transportation: 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), Donald C. Phillips 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, P.E., 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, Ph.D. (Illinois), Professor: Soil mechanics, geotechnical engineering.
- JAMES MACMAHAN, Ph.D., (Naval Postgraduate School), Assistant Professor: Field investigation of Nearshore hydrodynamics, Nearshore morphodynamics, Erosional hot spots, Heterogeneous beaches utilizing innovative instrumentation.
- DENNIS R. MERTZ, P.E., Ph.D. (Lehigh), Professor; also Director, Center for Innovative Bridge Engineering: Structural design, fatigue and fracture, design methodologies.

JACK PULEO, Ph.D. (Florida), Assistant Professor: Inner surf and swash zone hydrodynamics and sediment transport; Computational fluid dynamics; Sediment suspension in turbulent flows; Boundary layers.

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

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.

IAN APPLEBAUM, Ph.D. (M.I.T.), Assistant Professor: Hot electron transport for photonics, spintronics, and scanning probe microscopy.

KENNETH E. BARNER, Ph.D. (Delaware), 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, source coding, digital communications, networks, security, computer science.

LEONARD J. CIMINI, JR., Ph.D. (Pennsylvania), Professor: Wireless communications and networks, multiple-antenna radar systems, sensor networks, resource management.

JOHN G. ELIAS, Ph.D. (Yale), Professor: User interfaces, computer architecture, 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: Information processing in communications and biological systems, wireless communications, coding for multi-terminal sources with applications in sensor networks, iterative decoding schemes for source, channel and joint source-channel coding.

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.

CHRISTINA B. HONSBURG, Ph.D. (University of Delaware), Associate Professor: Nanoelectronics, photonics, photovoltaics.

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

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 KOLODZEY, Ph.D. (Princeton), Charles Black Evans
Professor: Nanoelectronic materials and devices, molecular beam epitaxy, terahertz frequency devices and measurements.
- DAVID L. MILLS, Ph.D. (Michigan), Professor: Computer networking architecture and protocol design, multimedia message systems.
- OLUFEMI 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: Computational electromagnetics, modeling and design of RF, millimeter wave, and photonics devices; high resolution lithography, materials growth, nano-fabrication, experimental characterization and subsystem integration of information and sensing systems.
- ROBERT F. ROGERS, Ph.D. (Pennsylvania), Assistant Professor: Systems neuroscience, neural encoding/decoding, cardiorespiratory control, computational modeling, optical imaging, electrophysiology, bioimplantable devices.
- 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 (MIMO systems and space-time coding), channel coding, signal processing, SAR/ISAR imaging of moving targets.

Joint, Adjunct, and Secondary Appointments

- Computer and Information Sciences: PAUL D. AMER, ADARSHPAL S. SETHI.
- Psychology: DAVID P. M. NORTHMORE.
- Adjunct Faculty: MICHAEL J. PIOVOSO.
- Secondary Appointments: ALLEN M. BARNETT, XIANG HU, JANUZ MURAKOWSKI, GARRETT J. SCHNEIDER, KARL V. STEINER, SHI SHOUYUAN.

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).
- ROBERT BIRKMIRE, Ph.D. (Delaware), Professor, also Professor Physics and Astronomy, and Director, Institute of Energy Conversion: photovoltaics, thin film semiconductors, optoelectronic devices, model-based process control.
- MARY E. GALVIN-DONOGHUE, Sc.D. (MIT), Distinguished 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), Professor; also Professor, Physics and Astronomy: Thin films, surface and interface, nanostructured materials, composites.
- GABRIELA V. STOLERU, Ph.D. (Virginia), Assistant Professor: Opto-electronic, photonic and high-speed electronic devices based on semiconductor nanostructures, quantum dot assembly via MBE, plasmon resonant nanoparticles.

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: RICK BEYER, STEVE FAHNESTOCK, BRUCE FINK, KENN GARDNER, ROBERT K. GRASSELLI, RICHARD IKEDA.
- Off-Campus Faculty: D. BRUCE CHASE, ALAN ENGLISH, PRATIBHA GAI, MARK NELSON, MING ZHENG.

MECHANICAL ENGINEERING

- THOMAS S. BUCHANAN, Ph.D. (Northwestern), Professor and Chair, Mechanical Engineering Department: Musculoskeletal biomechanics, neural control of movement, medical imaging.
- 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.
- TSU-WEI CHOU, Ph.D. (Stanford), P.S. duPont Chair of Engineering; also Professor, Mechanical Engineering Department: Nanocomposites, nanomechanics, materials science, solid mechanics.
- XINYAN DENG, Ph.D. (California, Berkeley), Assistant Professor: Control, robotics, dynamic system modeling, biomimetic microrobots.
- MICHAEL D. GREENBERG, Ph.D. (Cornell), Professor: Applied mathematics, fluid mechanics.
- IAN W. HALL, Ph.D. (Leeds), Associate Professor: High strain-rate mechanical properties, Metal matrix composites, electron microscopy, materials science.
- JILL S. HIGGINSON, Ph.D. (Stanford), Assistant Professor, Mechanical Engineering Department: musculoskeletal modeling and simulation, neural control of movement, optimization, normal and pathological gait.
- 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.
- MICHAEL KEEFE, P.E., Ph.D. (Minnesota), Associate Chair for Undergraduate Education; also Associate Professor: Computer-aided mechanical design, system modeling and rapid prototyping, modeling of flexible structures.
- KURT T. MANAL, Ph.D. (Delaware), Assistant Professor (Secondary): Musculoskeletal modeling, motion analysis and assistive technology.
- JOHN E. NOVOTNY, Ph.D. (Vermont), Assistant Professor: Orthopaedic biomechanics, tissue mechanics, mathematical modeling.
- AJAY K. PRASAD, Ph.D. (Stanford), Associate Professor: Particle imaging techniques for fluid mechanics and heat transfer, environmental and biofluid mechanics, mixing studies, fuel cells.
- 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, P.E., Ph.D. (Stanford), Professor; also
Professor, Mathematical Sciences: Fluid mechanics, multiphase
flow, applied mathematics.

JIAN-QIAO SUN, P.E., Ph.D. (California, Berkeley), Professor:
Nonlinear dynamics, nonlinear control, smart materials, vibration
and noise control, manufacturing process control, smart physical
rehabilitation devices, bio-mechanics.

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

ERIK T. THOSTENSON, Ph.D. (Delaware), Assistant Professor
(Secondary): Processing and characterization of composite
materials focusing on carbon nanotube and advanced fiber
reinforcements, novel multifunctional composites, micro/nano
mechanics modeling techniques.

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

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

Secondary Appointment:
Bioresources Engineering: JAMES L. GLANCEY.
Marine Studies: PABLO HUQ.
Adjunct Faculty: TRAVIS A. BOGETTI, STEPHEN C.
DANFORTH, RICHARD R. ELEY, EDWARD P. GARGIULO,
GEORGE GAZONAS, ROGER V. GONZALEZ, WOJCIECH
GRABOWSKI, SANKU MALLIK, FREEMAN MILLER, ERIC
D. WETZEL, FLEMMING FORSBERG, DAVID G. LLOYD,
HAI WANG.

COLLEGE OF HEALTH SCIENCES

OFFICE OF THE DEAN

BETTY J. PAULANKA, Ed.D. (Temple), Dean and Professor.
JAMES G. RICHARDS, Ph.D. (Indiana), Associate Dean and
Distinguished Professor of Health, Nutrition and Exercise
Sciences: Applied biomechanics.

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

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

RACHEL A. STRICKLAND, 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.

DENA DEGLAU, Ph.D. (Ohio State), Assistant Professor: Physical
education pedagogy.

TIMOTHY DeSCHRIEVER, Ed.D. (Northern Colorado), Assistant
Professor: Sport management.

DAVID G. EDWARDS, Ph.D. (Florida), Assistant Professor:
Exercise physiology.

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.

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

DAVID HUDSON, Ph.D., PT (Delaware), Assistant Professor:
Biomechanics.

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

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.

DIANE OLIVER, M.P.H., R.D. (Delaware), Instructor: Dietetic
internship program.

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), Associate Dean and
Distinguished Professor of Health, Nutrition and Exercise
Sciences: Applied biomechanics.

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

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

ANN RUCINSKI, M.A., R.D. (Immaculata College), Director and
Instructor: Dietetic internship program.

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.

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: KRISTEN CARSON, MIKE KING, STEPHANIE SZALMA.
 Animal and Food Sciences: O. SUE SNIDER.

MEDICAL TECHNOLOGY

ANNA P. CIULLA, M.C.C. (Hahnemann), Associate Professor and Chair: Clinical chemistry.
 LESLIE M. ALLSHOUSE, M.Ed., M.B.A. (Delaware), Instructor: Phlebotomy, clinical chemistry, clinical practicums.
 KAREN R. BRINKER, B.S. (Delaware), Instructor: Clinical chemistry.
 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.
 PAULA A. MELANCON, B.S. (Delaware), Laboratory Coordinator: Hematology, immunohematology.
 MARY BETH MIELE, Ph.D. (Penn State), Associate Professor: Melanoma, cancer metastasis, immunodiagnosics, 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.
 MONICA B. TADLER, B.S. (Delaware), Laboratory Coordinator: Phlebotomy, urinalysis, virology, immunology.

NURSING

LISA ANN PLOWFIELD, Ph.D. (Virginia), Professor and Chair: Trauma, critical care.
 KAREN M. AVINO, M.S.N. (Delaware), Instructor: Community health.
 PAMELA BEEMAN, Ph.D. (Pennsylvania), Associate Professor: Maternal/child health.
 MARGARET L. BIRNEY, Ph.D. (Wayne State), Associate Professor: Cardiopulmonary nursing.
 KATHLEEN BREWER-SMYTH, Ph.D. (Pennsylvania), Assistant Professor: Medical-surgical nursing.
 LINDA BUCHER, D.N.Sc. (Widener), Associate Professor: Medical-surgical nursing, critical care.
 ELAINE BURKETT, B.S.N. (Rutgers), Simulation Laboratory Coordinator.
 CHRISTINE A. CANNON, Ph.D. (Delaware), Associate Professor: Medical-surgical 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.
 SANDRA ELLIOTT, M.S.N. (Pennsylvania), Instructor: Women's health nurse practitioner.
 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.
 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.
 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.
 ALLEN PRETTYMAN, M.S.N. (Wilmington), Instructor: Family nurse practitioner.
 INGRID PRETZER-ABOFF, M.A. (NYU), Instructor: Medical-surgical nursing.
 LARRY PURNELL, Ph.D. (Columbia Pacific), Professor: Health services administration, transcultural health care.
 CHRISTINE REILLY, Ph.D. (California School of Professional Psychology), Associate Professor: Psychiatric nursing.
 KATHLEEN RILEY-LAWLESS, Ph.D. (Pennsylvania), Assistant Professor: Pediatric 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.
 CATHERINE WELDE, M.S.N. (Delaware), Instructor: Medical-surgical nursing.
 ERLINDA WHEELER, D.N.S. (SUNY), Associate Professor: Medical-surgical nursing.
 DEBORAH WILSON, Ph.D. (Louisiana), Assistant Professor: Psychiatric 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.
 ANN M. DERBYSHIRE, B.S.N. (Delaware), Distance Learning Recruiter.
 STACY R. WEILE, Ed.M. (Illinois), CITA II.

COLLEGE OF HUMAN SERVICES, EDUCATION AND PUBLIC POLICY

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.
 SANDRA DEAN, M.P.A. (Delaware), Coordinator.
 PATSY HOWANIEC, Assistant to the Dean.
 KRISTINE COLL, M.Ed. (Georgia Southern), Coordinator, Office of Student Support Services.
 RONALD F. WHITTINGTON, M.B.A. (Central Michigan), Special Assistant to the Dean.

EDUCATION

CHRISTOPHER M. CLARK, Ph.D. (Stanford University), Professor and Director, School of Education.
 GARY ALLISON, Ed.D. (Wilmington), Assistant Professor: Special Education.
 DOUGLAS ARCHBALD, Ph.D. (Wisconsin-Madison), Associate Professor: Educational Leadership.
 TONYA BARTELL, M.A. (Minnesota), Lecturer: Math Education.
 MARSHA BAUMEISTER, Ph.D. (University of Maryland at Baltimore), Instructor: Student Teaching.
 GEORGE G. BEAR, Ph.D. (Virginia), Professor; School discipline, sociomoral reasoning and behavior, and self-perceptions among children with disabilities.
 DAWN BERK, Ph.D. (University of New Hampshire), Assistant Professor: Mathematics education.
 DAVID BLACKER, Ph.D. (Illinois), 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.
 DAVID COKER, Ed.D. (Harvard University), Assistant Professor: Literacy.
 BARBARA CURRY, Ed.D. (Harvard), Professor: Educational leadership.
 ZOUBEIDA DAGHER, Ph.D. (University of Iowa), Associate Professor: Science education.
 JAMES E. DAVIS, M. Ed. (Wilmington College), Instructor: The College School.
 LAURA DOUGHERTY, B.S. (Radford University), Instructor: The College School.
 LAURIE DRUMM, M. Ed. (Wilmington College), Instructor: The College School.
 LAURA EISENMAN, Ph.D. (Vanderbilt), Associate Professor: Secondary special education and transition from school to adult life for young adults with disabilities.
 ERIC ESLINGER, Ph.D. (Berkeley), Assistant Professor: Science and math education.
 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), Associate Professor: Science education.
 JEANNE GEDDES-KEY, M.Ed. (Smith), Instructor and Emily L. Phelps Director of College School.
 MARIKA GINSBURG-BLOCK, Ph.D. (University of Pennsylvania), Assistant Professor: School psychology.
 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.
 ROBERTA M. GOLINKOFF, Ph.D. (Cornell), H. Rodney Sharp Chair in CHEP and 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, M.I. (University of Delaware), Instructor: Student teaching.
 ROBERT HAMPEL, Ph.D. (Cornell), Professor: History of education and contemporary educational policy.
 JAMES HIEBERT, Ph.D. (Wisconsin), Robert J. Barkley Professor, Mathematics education.
 AMANDA HOFFMANN, Ph.D. (Michigan State University), Assistant Professor: Math 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.
 SARAH JEWETT, Ph.D. (University of Pennsylvania), Assistant Professor: Social Studies.
 NANCY C. JORDAN, Ph.D. (Harvard), Professor: Reading, language and learning disabilities.
 ANN JORNLIN, M.I. (University of Delaware), Instructor: Student teaching.
 DAVID W. KAPLAN, Ph.D. (California, Los Angeles), Professor: Educational statistics, factor analysis, and structural equation modeling.
 RACHEL KARCHMER, Ph.D. (Syracuse University), Assistant Professor: Reading and language arts.
 LAURA KINCAID, Ph.D. (Kent State University), Assistant Professor: Mathematics education.
 STEPHANIE KOTCH, M.I. (University of Delaware), Instructor: Student teaching.
 NANCY LAVIGNE, Ph.D. (McGill University), Assistant Professor: Educational Psychology.
 DEIRDRE LILLY, M.Ed. (Wilmington College), Instructor: Student teaching.
 CHERI LIPPSTONE, BA (Cedar Crest College), Instructor: Clinical Instruction.
 DENNIS LOFTUS, Ed.D. (Temple), Assistant Professor, School of Education; also Assistant Professor and Program Coordinator, Delaware Academy for School Leadership: Vocational education, school leadership, educational reform, organizational management.
 CHARLES MACARTHUR, Ph.D. (American University), Associate Professor: Special education, reading and writing skills for LD students, vocational assessment of children.
 DEANNE MCCREDIE, M.I. (University of Delaware), Instructor: Student teaching.
 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) Professor: Birth-to-three intervention for children with disabilities and at-risk children.

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

CHRYSTALLA MOUZA, Ed.D. (Teacher's College, Columbia University), Assistant Professor: Instructional technology and media 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.

KATHLEEN O'GRADY, M. Ed. (Wilmington College), Instructor: The College School.

EILEEN O'NEILL, M.Ed. (University of Delaware), Instructor: Student teaching.

LAURIE PALMER, M.I. (University of Delaware), Instructor: Coordinator - Milford Professional Development School.

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

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

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

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

KRISTEN RITCHEY, Ph.D. (Maryland), Assistant Professor: Special education and Learning disabilities.

ROSALIE, ROLON-DOW, Ph.D. (Temple), Urban education.

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), Assistant Professor.

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

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

CAROL VUKELICH, Ph.D. (Southern Illinois), Director, Delaware Center for Teacher Education: also Hammonds Professor in Teacher Education, 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.

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

ENGLISH LANGUAGE INSTITUTE

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

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

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

WENDY BULKOWSKI, M.A. (Delaware), Tutor.

SUSAN COAKLEY, M.Ed. (Notre Dame College, NH), Instructor.

DEBORAH DETZEL, M.A. (American University), Assistant Director.

KEN CRANKER, M. A. (SUNY), Tutoring Center Coordinator.

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.

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.

ENVIRONMENTAL AND ENERGY POLICY

JOHN M. BYRNE, Ph.D. (Delaware), Distinguished Professor and Director, Center for Energy and Environmental Policy; also Professor, Marine Studies: Technology and environment, environmental justice, political economy, sustainable development.

YOUNG-DOO WANG, Ph.D. (Delaware), Professor and Associate Director, Center for Energy and Environmental Policy; also ENEP Program Director: Energy and environmental policy, economic analysis of alternative energy options, econometric applications.

PAUL T. DURBIN, Ph.D. (Aquinas Institute of Philosophy), Professor, Department of Philosophy, and CEEP Senior Fellow: Technology and society, philosophy of science, environmental ethics.

LEIGH GLOVER, Ph.D. (Delaware), CEEP Policy Fellow: Climate change policy, globalization and governance, postmodern theory and environmentalism.

WILLIAM F. RITTER, Ph.D. (Iowa State), Professor, Department of Bioresources Engineering and Civil and Environmental Engineering, and CEEP Senior Policy Fellow: Watershed management, water resource planning, agricultural policy.

YDA SCHREUDER, Ph.D. (Wisconsin), Associate Professor, Department of Geography, and CEEP Senior Policy Fellow: Global resources, development, and environment, sustainable development and growth management.

RICHARD T. SYLVES, Ph.D. (Illinois), Professor, Department of Political Science and International Relations, and CEEP Senior Policy Fellow: Environmental and energy policy, disaster policy and emergency management, public policy analysis, public administration.

Joint and Adjunct Appointments

ALLEN BARNETT, CESAR CUELLO, J. BARRY CULLINGWORTH, STEVEN HEGEDUS, STEVEN M. HOFFMAN, JONG-DALL KIM, CECILIA MARTINEZ, SUBODH WAGLE.

FASHION AND APPAREL STUDIES

MARSHA DICKSON, Ph.D. (Iowa State), Professor and Chair: Fashion Studies.

JANET HETHORN, Ph.D. (University of Minnesota), Associate Professor: Visual culture, design process and innovation.

JAEHEE JUNG, Ph.D. (Ohio State University), Assistant Professor: Social psychological aspects of dress and consumer behavior.

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.

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.
BELINDA T. ORZADA, Ph.D. (Florida State), Associate Professor:
Apparel design, fashion drape characteristics.
KAREN E. SCHAEFFER, M.S. (Penn State), Associate Professor:
Fashion, visual presentation, artwear.

HOTEL, RESTAURANT, AND INSTITUTIONAL MANAGEMENT

FREDERICK J. DEMICCO, Ph.D. (Virginia Tech), Professor and
Aramark Chair: International hospitality management,
gerontology.
SRIKANTH BELDONA, Ph.D. (Purdue University), Assistant
Professor; Hospitality marketing and e-commerce.
CIHAN COBANOGU, Ph.D. (Oklahoma State), CHTP, Assistant
Professor: Hospitality information technology.
RONALD P. COLE, M.S. (Rochester Institute of Technology),
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 Director for the HRIM Food Service Labs. Quantity foods
and commercial foods.
DEBORAH ELLINGSWORTH, B.A. (Delaware), Executive Sous
Chef, Pastry Chef and Chef Instructor: Food principles.
JULIE E. FAGEN, B.S., CCM (Delaware), Director of Restaurant
Operations: Quantity foods, fine dining and wine education.
FRANCIS A. KWANSA, Ph.D. (Virginia Tech), Associate Professor:
Financial management, managerial accounting.
BERND MAYER (Hotel Trade School), Instructor: Quantity Foods,
fine dining and wine education.
BRIAN L. MILLER, Ed.D. (University of Massachusetts Amherst),
Assistant Professor: Educational technology, lodging operational
systems, and learning management systems.
ROBERT R. NELSON, Ph.D. (Delaware), Associate Professor:
Tourism development, food production, contracts and beverage
management.
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.

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, obesity prevention.
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.
NANCY J. EDWARDS, M.Ed. (Temple), Instructor, Clinical
Faculty: Math and science education.
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.
NYASHA A. GRAYMAN, M.A. (New York University), Assistant
Professor: Counseling, religiosity, and diversity.
JUDITH A. GREENE, Ed.D. (Temple), Assistant Professor, Clinical
Faculty: Counseling culturally diverse families, inclusion and
conflict management.
MYAE HAN, Ph.D. (Arizona State), Assistant Professor: Early
childhood education, reading education, early literacy.
DENE G. KLINZING, Ph.D. (Penn State), Professor: Hospitalized
children, child development, parenting and medical
communication.
LAURA A. MORRIS, M.Ed. (Wilmington College), Instructor and
Clinical Faculty: Early literacy, educational partnerships.
CHRISTINE M. OHANNESSIAN, (Penn State), Assistant Professor.
Adolescent development, adolescent problem behaviors,
developmental psychopathology, children of alcoholics.
ROBIN J. PALKOVITZ, Ph.D. (Rutgers), Professor: Father-child
relations across the life span, parental development, life-span
development.
CYNTHIA L. PARIS, Ph.D. (University of Pennsylvania), Assistant
Professor: Curriculum, teacher agency.
KATIE SCHMIDT, B.S. (University of Delaware), Instructor,
Clinical Faculty: Inclusion and early literacy.
BARBARA H. SETTLES, Ph.D. (Ohio State), Professor: Cost and
quality issues in family care, family theory, family life education,
family futures.
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, JULIE L.
GOLDBERG, MERRIS A. HOLLINGSWORTH, MARILYN S.
PRIME, SUSAN L. RARICK, KAREN Y. TSUKADA.
Food and Resource Economics: PATRICIA T. NELSON.
Urban Affairs and Public Policy: KAREN CURTIS.

LEADERSHIP

KAREN F. STEIN, Ph.D. (Delaware), Associate Professor and
Director; also Faculty Director of Educational Assessment:
Leadership, public policy, consumer economics.
AUDREY L. HELFMAN, Ph.D. (Delaware), Associate Professor:
Leadership, human resource development, and organizational
change.
JOHN E. KUSHMAN, Ph.D. (North Carolina), Professor:
Consumer economics, leadership.

JAMES L. MORRISON, Ed.D. (Temple), Professor: Consumer economics, leadership, online commerce.

STEPHANIE MCCLELLAND, Ph.D. (Delaware), Assistant Professor: Leadership.

ANTHONY MIDDLEBROOKS, Ph.D. (University of Wisconsin-Madison), Assistant Professor: Leadership.

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), Distinguished Professor and Director, Center for Energy and Environmental Policy; also Professor, Marine Studies: Technology and environment, environmental justice, political economy, sustainable development.

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 Assistant Director for special projects, 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.

JONATHAN JUSTICE, Ph.D. (Rutgers), Assistant Professor and Associate Policy Scientist, Institute for Public Administration: Public financial management, non-governmental public administration, urban policy and administration.

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), Associate Professor: Financial management, non-profit management, international comparative public administration.

DENNIS L. LOFTUS, Ed.D. (Temple), Assistant Professor and Program Coordinator, Delaware Academy for School Leadership; also Assistant Professor, School of Education: Vocational education, school leadership, educational reform, organizational management.

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.

BRECK L. ROBINSON, Ph.D. (Tennessee), Associate Professor: Financial institutions, public policy, and real estate finance.

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.

Consumer Studies: AUDREY L. HELFMAN.

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 UNGER.
 Marine Studies: BILIANA CICIN-SAIN, WILLETT KEMPTON.
 Museum Studies: CHANDRA REEDY.
 Political Science and International Relations: JANET B. JOHNSON,
 MARIAN PALLEY, RICHARD T. SYLVES.
 Adjunct Faculty: JOHN ELSE, LINDA WOLF, BEVERLY
 YANICH.

COLLEGE OF MARINE STUDIES

NANCY M. TARGETT, Ph.D. (Maine), Interim Dean and Professor,
 Marine Biology/Biochemistry.
 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 recreations fisheries management.
 MOHSEN BADIEY, Ph.D. (Miami), Professor; also Associate
 Professor, Civil and Environmental Engineering: Analytical and
 numerical modeling of geoaoustics and geophysics; seabed,
 laboratory and in-situ measurements related to seismo-acoustics
 problems.
 KATHARINA BILLUPS, Ph.D. (California, Santa Cruz), Assistant
 Professor: Paleoceanography, geochemistry, paleoclimate.
 JOHN S. BOYER, Ph.D. (Duke), E.I. du Pont Professor of Marine
 Biochemistry/Biophysics and 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; also
 Director, Marine Biology and Biochemistry.
 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.
 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.
 Lighthipe Chair; also Director, Physical Ocean Science and
 Engineering: Dynamic processes responsible for transport of
 matter and energy in natural environments; rapid environmental
 assessment.
 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; H. Rodney Sharp Professor; also Professor,
 Legal Studies.
 ADAM G. MARSH, Ph.D. (Maryland), Assistant Professor:
 Molecular biochemistry and bioformatics in extreme
 environments.
 DOUGLAS C. MILLER, Ph.D. (Washington), Associate Professor:
 Deposit-feeding strategies; trophic interactions among organisms;
 organism-flow-sediment interactions.
 ANDREAS MUENCHOW, 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.

TIMOTHY E. TARGETT, Ph.D. (Maine), Professor:
Chemical/biological interactions in the marine environment, antifouling mechanisms in marine organisms; chemical ecology.

CAROLYN A. THOROUGHGOOD, Ph.D. (Maryland), Professor of Marine Studies and Vice Provost for Research.

WILLIAM J. ULLMAN, Ph.D. (Chicago), Professor; also Professor, Geology: Geochemical cycles; rock/water interactions; coastal, estuarine, and nearshore processes; Director, Oceanography.

FABRICE VERON, 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.

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), Mary A. S. Lighthipe 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: MATTHEW J. HOFFMAN, MARIAN L. PALLEY, RICHARD T. SYLVES.

School of Education: CHRISTOPHER M. CLARK

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. GRECAY, THOMAS E. HELSER, DAVID R. HODAS, NORDEN E. HUANG, DAVID E. KRANTZ, TIMOTHY D. JICKELLS, EVELYN M. MAURMEYER, WILLIAM H. MEREDITH, DONALD B. NUZZIO, JAMES C. PIERCE, ANDREW C. POJE, ANTHONY P. PRATT, ANGELIKA INGRID RATSEP, DAVID T. RICKARD, MANMOHAN SARIN, ALAIN J. VERON, AMY WITTER.

FACULTY EMERITI

MARGARET P. ALLEN, M.F.A. (Washington), Associate Professor Emerita of Art.

DAVID F. ALLMENDINGER, JR., Ph.D. (Wisconsin), Professor Emeritus of History.

LOUIS A. ARENA, Ph.D. (Georgetown), Professor Emeritus of Linguistics.

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. BÖER, 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), Professor Emeritus of Finance.

ROBERT L. BOORD, Ph.D. (Maryland), Professor Emeritus of Biological Sciences.

SALLY BOULD, Ph.D. (California, Berkeley), Professor Emerita of Sociology and Criminal Justice.

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.

RAYMOND A. CALLAHAN, Ph.D. (Harvard), Professor Emeritus of History.

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.

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.
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