



# THE BOARD OF TRUSTEES

(The date in parentheses indicates the initial year of service.)

## Ex-Officio

Governor of the State of Delaware, THOMAS R. CARPER (1993)	Dover
President of the State Board of Education, PAUL R. FINE (1989)	Wilmington
Master of the State Grange, JANE T. MITCHELL (1986)	Lewes
President of the University, DAVID P. ROSELLE (1990)	Newark

## From New Castle County

RAYMOND K. ARZINGER (1984)	Newark
J. BRUCE BREDIN (1957)	Greenville
R.R.M. CARPENTER, III (1990)	Montchanin
HOWARD E. COSGROVE (1993)	Newark
PATRICIA A. DeLEON (1992)	Bear
CATHERINE B. FLICKINGER (1976) Vice Chairman	Wilmington
ROBERT W. GORE (1992)	Newark
RUTH OATES-GRAHAM (1981)	Wilmington
EDWARD G. JEFFERSON (1980) Vice Chairman	Wilmington
JAMES F. KEARNS (1989)	Wilmington
ANDREW B. KIRKPATRICK, JR. (1982) Chairman	Wilmington
JOAN THOMPSON MOBLEY (1992)	Wilmington
WILLIAM M.W. SHARP (1988)	Greenville
HOWARD E. SIMMONS (1994)	Greenville

## From Kent County

JOHN E. BURRIS (1975) Secretary-Treasurer	Milford
ERNST DANNEMANN (1993)	Dover
HUDSON E. GRUWELL (1974)	Dover
M. JANE RICHTER (1992)	Dover
RICHARD B. TAYLOR (1986)	Dover
SHERMAN L. TOWNSEND (1988)	Dover

## From Sussex County

ROBERT A. FISCHER, JR. (1976)	Milford
RACHEL E. GRIER (1978)	Lewes
SALLY H. HIGGINS (1971)	Seaford
ILONA E. HOLLAND (1994)	Milford
DONALD J. LYNCH (1988)	Selbyville
ROBERT F. RIDER (1985)	Bridgeville
HAROLD C. THOMPSON (1985)	Rehoboth Beach

## Recent Graduate

MARIA BARRIOCANAL	Seaford
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## Trustee Emeritus

WERNER C. BROWN (1970)	Greenville
GEORGE BURTON PEARSON, JR. (1951)	Montchanin

## THE UNIVERSITY STAFF

### Officers of the University Administration

DAVID P. ROSELLE, Ph.D. (Duke), President, also Professor of Mathematics
MELVYN D. SCHIAVELLI, Ph.D. (California, Berkeley), University Provost; also Professor, Chemistry and Biochemistry
DAVID E. HOLLOWELL, M.B.A. (Boston University), Senior Vice President
JOHN T. BROOK, J.D. (Ohio State), Vice President for Government and Public Relations
MAXINE COLM, D.Ed. (Delaware), Vice President for Employee Relations
J. ROBERT R. HARRISON, M.B.A. (New York University), C.P.A., Treasurer
ALEXANDER R. DOBERENZ, Ph.D. (Arizona), Interim Vice President for Student Life
PIERRE D. HAYWARD, B.A. (Trinity), Vice President and University Secretary



# THE FACULTY

## COLLEGE OF AGRICULTURAL SCIENCES

JOHN C. NYE, Ph.D. (Purdue), *Dean and Professor, Agricultural Engineering; also Director, Agricultural Experiment Station and Director, Water Resources Center.*

WILLIAM W. SAYLOR, Ph.D. (Penn State), *Associate Dean and Associate Director, Agricultural Experiment Station.*

RALPH P. BARWICK, Ed.D. (Pennsylvania State), *Associate Dean for Instruction Emeritus.*

R. DEAN SHIPPY, Ed.D. (Penn State), *Associate Dean for Instruction; also Associate Professor, Agricultural Education, and Associate Professor, Food and Resource Economics.*

ANTHONY M. THOMAS JR., M.B.A. (St. Joseph's College of Philadelphia), *Executive Assistant to the Dean.*

KAREN S. ROTH, B.A. (Delaware), *Assistant to the Dean.*

JAMES WOLFER, B.S. (Cornell), *Farm Superintendent.*

### Agricultural Education

R. DEAN SHIPPY, Ed.D. (Penn State), *Associate Professor and Associate Dean for Instruction, College of Agricultural Sciences; also Associate Professor, Food and Resource Economics.*

### Agricultural Engineering

NORMAN E. COLLINS, Ph.D. (Pennsylvania), *Professor.*

JOHN C. NYE, Ph.D. (Purdue), *Professor; also Dean, College of Agricultural Sciences, and Director, Agricultural Experiment Station, and Director, Water Resources Center.*

WILLIAM F. RITTER, Ph.D. (Iowa State), *Professor and Chair.*

ERNEST N. SCARBOROUGH, M.S. (Iowa State), *Professor Emeritus.*

ERNEST W. WALPOLE, M.S. (Iowa State), *Professor Emeritus.*

CARMINE C. BALASCIO, Ph.D. (Iowa State), *Associate Professor.*

PALANIAPPA KRISHNAN, Ph.D. (Illinois), *Associate Professor.*

KENNETH M. LOMAX, Ph.D. (Maryland), *Associate Professor.*

JAMES L. GLANCEY, Ph.D. (California, Davis), *Assistant Professor.*

WILLIAM L. NICHOL, M.Ed. (Millersville State), *Assistant Professor.*

ANASTASIA E. M. CHIRNSIDE, M.S. (Delaware), *Research Associate III.*

LUTHER J. KEMBLE, B.S. (Delaware), *Research Associate II.*

ROBERT W. SCARBOROUGH, B.S. (Delaware), *Research Associate II.*

JAMES N. SCARBOROUGH, Ph.D. (Illinois), *Extension Specialist and Associate Professor.*

THOMAS H. WILLIAMS, M.S. (Delaware), *Extension Specialist.*

### Animal Science and Agricultural Biochemistry

WILLIAM J. BENTON, D.V.M., Ph.D. (Delaware), *Professor Emeritus.*

JOHN E. DOHMS, Ph.D. (Ohio State), *Professor.*

JACK GELB JR., Ph.D. (Georgia), *Professor.*

GEORGE F. W. HAENLEIN, Ph.D. (Wisconsin), *Professor and Extension Dairy Specialist, Cooperative Extension.*

WILBUR B. HESSELTINE, Ph.D. (Wisconsin), *Professor Emeritus.*

C. MELVIN REITNOUR, Ph.D. (Kentucky), *Professor.*

JOHN K. ROSENBERGER, Ph.D. (Wisconsin), *Professor and Chair.*

JOAN BURNSIDE, Ph.D. (Dartmouth), *Associate Professor.*

LARRY A. COGBURN, Ph.D. (Illinois), *Associate Professor.*

CALVIN KEELER, Ph.D. (Maryland), *Associate Professor.*

LIMIN KUNG, Ph.D. (Michigan State), *Associate Professor.*

JOHN H. MARTIN, Ph.D. (Cornell), *Associate Professor.*

PAUL E. MECKLEY, V.M.D., Ph.D. (Wisconsin), *Associate Professor and Director, Laboratory Animal Care.*

ROBIN W. MORGAN, Ph.D. (Johns Hopkins), *Associate Professor and Assistant Chair; also Associate Professor, School of Life and Health Sciences.*

PAUL H. SAMMELWITZ, Ph.D. (Illinois), *Associate Professor.*

WILLIAM W. SAYLOR, Ph.D. (Penn State), *Associate Professor; also Associate Dean, College of Agricultural Sciences, and Associate Director, Agricultural Experiment Station.*

LESA STERLING, Ph.D. (Purdue), *Associate Professor.*

MARLENE G. EMARA, Ph.D. (Ohio State), *Assistant Professor.*

ROBERT L. ALPHIN JR., M.S. (Delaware), *Research Associate III.*

AMY ANDERSON, B.S. (Delaware), *Research Associate II.*

SANDRA S. CLOUD, Ph.D. (Delaware), *Scientist.*

BEVERLEY A. DRIVER, *Research Associate I.*

LINDA L. HNATOW, M.S. (Penn State), *Research Associate II.*

MARCY MURPHY, B.S., (Delaware), *Research Associate II.*

W. ALLAN NIX, B.S., (Georgia), *Research Associate II.*

CONRAD R. POPE, D.V.M. (Tuskegee), *Senior Scientist.*

DEAN R. THUREEN, B.S. (Concordia), *Research Associate II.*

JAMES L. WOLFER, B.S. (Cornell), *Farm Superintendent.*

### Joint and Adjunct Appointments

*Food and Resource Economics:* CATHERINE HALBRENDT.

*Food Science:* KATHRYN L. KOTULA.

*Nutrition and Dietetics:* ARLETTE RASMUSSEN.

*Adjunct Faculty:* KI POONG LEE, D.V.M., Ph.D.; • MICHAEL D. RUFF, Ph.D.; • WILLIAM H. WRIGHT, V.M.D.; • JOSEPH M. HAINES, D.V.M.; • HYUN S. LILLEHOJ, Ph.D.; • JOHN A. PROUDMAN, Ph.D.; • MICHAELA KRISTULA, D.V.M.; • JOHN P. McMURTRY, Ph.D.; • THOMAS P. OSCAR, Ph.D.; • WILLIAM P. SISK, Ph.D.

### Entomology and Applied Ecology

ROBERT T. ALLEN, Ph.D. (Illinois), *Professor and Chair.*

DALE F. BRAY, Ph.D. (Rutgers), *Professor Emeritus.*

PAUL P. BURBUTIS, Ph.D. (Rutgers), *Professor Emeritus*.  
 DEWEY M. CARON, Ph.D. (Cornell), *Professor*.  
 WALTER A. CONNELL, Ph.D. (Maryland), *Research Professor Emeritus*.  
 ROLAND R. ROTH, Ph.D. (Illinois), *Professor*.  
 DOUGLAS W. TALLAMY, Ph.D. (Maryland), *Professor*.  
 THOMAS K. WOOD, Ph.D. (Cornell), *Professor*.  
 JUDITH A. HOUGH-GOLDSTEIN, Ph.D. (Cornell), *Associate Professor*.  
 CLIFFORD B.O. KEIL, Ph.D. (V.P.I.), *Associate Professor*.  
 CHARLES E. MASON, Ph.D. (Kansas State), *Associate Professor*.

## Joint and Adjunct Appointments

Adjunct Faculty: WILLIAM H. DAY, Ph.D.; • ROGER W. FUESTER, B.S.; • PAUL SCHAEFER, Ph.D.

## Food and Resource Economics

GERALD L. COLE, Ph.D. (Michigan State), *Professor*.  
 JOACHIM G. ELTERICH, Ph.D. (Michigan State), *Professor*.  
 CONRADO M. GEMPESAW II, Ph.D. (Penn State), *Professor and Chair*.  
 STEVEN E. HASTINGS, Ph.D. (Penn State), *Professor*.  
 ULRICH C. TOENSMAYER, Ph.D. (Maryland), *Professor*.  
 CATHERINE K. HALBRENDT, Ph.D. (Missouri), *Associate Professor; also Associate Professor, Animal Science and Agricultural Biochemistry*.  
 JOHN E.A. MacKENZIE, Ph.D. (Rhode Island), *Associate Professor*.  
 R. DEAN SHIPPY, Ed.D. (Penn State), *Associate Professor; also Associate Professor, Agricultural Education and Associate Dean for Instruction, College of Agricultural Sciences*.  
 RHONDA HYDE, Ph.D. (Clemson), *Assistant Professor; also Assistant Professor, Operations Research Program*.

## Food Science

MIR N. ISLAM, Ph.D. (Louisiana State), *Professor*.  
 ROBERT W. KEOWN, Ph.D. (Louisville), *Professor and Chair*.  
 DIETRICH W. KNORR, Ph.D. (University of Agriculture, Vienna, Austria), *Research Professor*.  
 DALLAS G. HOOVER, Ph.D. (Minnesota), *Associate Professor and Graduate Program Coordinator*.  
 KATHRYN L. KOTULA, Ph.D. (Cornell), *Assistant Professor; also Assistant Professor, Animal Science and Agricultural Biochemistry*.  
 JAMES S. PAIK, Ph.D. (Rutgers), *Assistant Professor*.  
 CAROLYN L. FISHER, Ph.D. (Stanford), *Visiting Scientist*.  
 GIEDRIUS JANUSKA, M.S. (Kaunas Polytechnical Institute), *Visiting Fulbright Fellow*.  
 EON JA JEONG, Ph.D. (Soeul Womans University), *Visiting Scientist*.  
 DENNIS C. COLLINS, B.S. (Delaware), *Assistant to the Chair*.  
 YOGA PANDYA, B.S. (South Bank Polytechnic, London), *Research Associate III*.

## Joint and Adjunct Appointments

Cooperative Extension: O. SUE SNIDER.

Adjunct Faculty: BRADFORD BERRY, Ph.D.; • MICHAEL HAAS, Ph.D.; • KEVIN B. HICKS, Ph.D.; • JOHN H. HANLIN, Ph.D.; • BRUCE D. WHITAKER, Ph.D.

## Plant and Soil Sciences

EUGENE P. BRASHER, Sc.D. (Missouri Valley), *Professor Emeritus*.  
 ROBERT B. CARROLL, Ph.D. (Penn State), *Professor*.  
 HENRY W. CRITTENDEN, Ph.D. (Ohio State), *Professor Emeritus*.  
 DONALD F. CROSSAN, Ph.D. (North Carolina State), *Professor Emeritus*.  
 CHARLES W. DUNHAM, Ph.D. (Michigan State), *Professor Emeritus*.  
 JAMES A. HAWK, Ph.D. (Cornell), *Professor*.  
 WILLIAM H. MITCHELL, Ph.D. (Penn State), *Professor Emeritus*.  
 ALLEN L. MOREHART, Ph.D. (Delaware), *Professor*.

WALLACE G. PILL, Ph.D. (Missouri), *Professor*.  
 THOMPSON D. PIZZOLATO, Ph.D. (Miami University), *Professor*.  
 J. THOMAS SIMS, Ph.D. (Michigan State), *Professor*.  
 DONALD L. SPARKS, Ph.D. (V.P.I.), *Professor and Chairperson*.  
 JAMES E. SWASEY, Ph.D. (Maryland), *Professor and Director of Longwood Graduate Program*.  
 JOHN J. FRETTE, Ph.D. (Georgia), *Associate Professor*.  
 DAVID R. FREY, Ph.D. (Delaware), *Associate Professor*.  
 HUGH FRICK, Ph.D. (SUNY, Stony Brook), *Associate Professor*.  
 JEFFRY J. FUHRMANN, Ph.D. (North Carolina State), *Associate Professor*.  
 SHERRY L. KITTO, Ph.D. (Purdue), *Associate Professor*.  
 WILLIAM G. SMITH, M.L.A. (Pennsylvania), *Associate Professor*.  
 BRUCE L. VASILAS, Ph.D. (Minnesota), *Associate Professor*.  
 THOMAS A. EVANS, Ph.D. (Michigan State), *Assistant Professor*.  
 MASOUD GHODRATI, Ph.D. (California, Riverside), *Assistant Professor*.  
 MARK RADOSEVICH, Ph.D. (Ohio State), *Assistant Professor*.  
 DENNIS A. SCHAFF, Ph.D. (Kansas State), *Assistant Professor*.  
 GERALD J. HENDRICKS, B.S. (Delaware), *Research Associate II*.  
 CATHERINE OLSON, M.S. (Delaware), *Soil Test Analyst*.  
 KAREN SCHILKE-GARTLEY, B.S. (Delaware), *Program Coordinator, Soil Testing*.  
 TECKLEMARIAM WELDEKIDAN, M.S. (Delaware), *Research Associate III*.  
 CAROLINE M. GOLT, B.S. (Delaware), *Research Associate II*.  
 DARYL P. WHITTINGTON, M.S. (North Carolina State), *Research Associate II*.  
 ZHEN-ZHONG ZHANG, Ph.D. (Purdue), *Associate Scientist*.

## Joint and Adjunct Appointments

Marine Studies: JOHN S. BOYER.

Adjunct Faculty: EDWARD JONES, Ph.D.; • THEODORE H. CARSKI, Ph.D.

## Longwood Graduate Program in Public Horticulture Administration

JAMES E. SWASEY, Ph.D. (Maryland), *Professor and Longwood Graduate Program Coordinator*.  
 ROBERT J. ARMSTRONG, Ph.D. (Illinois), *Adjunct Professor*.

## Agricultural Sciences Communications

DORIS H. CROWLEY, M.A. (Delaware), *Coordinator*.  
 C. CLAIRE McCABE, M.A. (Delaware), *Communications Specialist, News*.  
 SUSAN M. BALDWIN, B.A. (Penn State), *Communications Specialist, Publications*.  
 TAMMY L. ALLSTON, B.A.A.R. (Houghton), *Graphic Designer*.

## Research and Education Center

MARK A. ISAACS, M.S. (Clemson), *Director, Research and Education Center; Crops Research Coordinator*.  
 TOM A. EVANS, Ph.D. (Michigan), *Assistant Professor, Plant Pathology*.  
 NEGEDE GEDAMU, B.S. (Norfolk State), *Research Associate I, Poultry*.  
 WARD A. HARRIS, B.S. (Delaware), *Research Associate I, Swine*.  
 KENNETH M. HASTINGS, B.S. (Delaware), *Farm Manager*.  
 GEORGE W. MALONE, M.S. (Massachusetts), *Associate Scientist, Poultry*.  
 JOHN H. MARTIN, Ph.D. (Cornell), *Associate Professor, Animal Science and Agricultural Biochemistry*.  
 EDWIN M. ODOR, D.V.M. (Auburn), *Poultry Pathologist/Senior Scientist*.  
 MARIANO SALEM, M.V.Z. (Mexico), M.S. (Pennsylvania), *Associate Scientist/Poultry Pathologist*.  
 DANIA V. WARRINGTON, B.S. (Delaware), *Research Associate II, Swine*.

## Cooperative Extension

RICHARD E. FOWLER, Ph.D. (Maryland), *Director of Cooperative Extension*.

MARY B. ALMON, M.S. (Salisbury State), *Extension Associate II*.  
 RICHARD A. BARCZEWSKI, Ph.D. (Maryland), *Livestock Specialist*.  
 SUSAN S. BARTON, M.S. (North Carolina State), *Horticulture Specialist*.  
 CARL DAVIS, M.S. (Delaware), *Agricultural Agent*.  
 MARY ANN FINCH, M.S. (Missouri), *State Coordinator, Home Economics*,  
 also *Assistant Professor, Individual and Family Studies*.  
 CARL L. GERMAN, M.S. (Southern Illinois), *Crops Marketing Specialist*.  
 ORA M. GIBBS, *Extension Associate I*.  
 CLAUDIA H. HOLDEN, M.S. (Delaware State), *Expanded Food and*  
*Nutrition Coordinator*.  
 RONALD C. JESTER, M.S. (Purdue), *Farm Safety Specialist*.  
 GORDON JOHNSON, M.S. (Clemson), *Agricultural Agent*.  
 QUINTON R. JOHNSON, B.S. (West Virginia), *Extension Associate I*.  
 W. ED KEE JR., M.S. (Delaware), *Vegetable Crops Specialist*.  
 MARK J. MANNO, M.S. (V.P.I.), *County Coordinator, 4-H Agent*.  
 WILLIAM A. MCGOWAN, B.S. (Delaware), *Agricultural Agent*.  
 JO A. MERCER-SCHUTZENHOFER, M.S. (Southern Illinois), *Ornamental*  
*Horticulture Agent*.  
 ROBIN S. McCABE, A.A. (Del Tech), *Extension Associate II*.  
 LISA C. MILLER, M.S. (Delaware), *Agricultural Agent*.  
 WILLIAM J. MILLIKEN, B.S. (Delaware), *Water Quality Associate*.  
 ROBERT P. MULROONEY, M.S. (Delaware), *Plant Pathology*  
*Specialist/Agricultural Agent*.  
 PATRICIA T. NELSON, Ed.D. (Columbia), *Family and Child Development*  
*Specialist, also Associate Professor, Individual and Family Studies*.  
 DANIEL H. PALMER, M.S. (New Hampshire), *Poultry Specialist*.  
 TED H. PALMER, M.S. (Delaware), *4-H Agent*.  
 MARIA R. PIPPIDIS, M.S. (Cornell), *Home Economics Agent*.  
 MARY ANN POLING, B.S. (West Virginia), *Extension Agent III*.  
 JOYCE A. SIMPSON, B.S. (Delaware), *4-H Agent*.  
 O. SUE SNIDER, Ph.D. (Missouri), *Nutrition Specialist, also Associate*  
*Professor, Food Science*.  
 JOY G. SPARKS, B.S. (Delaware), *State Program Coordinator 4-H*.  
 MARTIN R. SPELLMAN, B.S. (SUNY, Oneonta), *Pest Management*  
*Associate*.  
 RICHARD W. TAYLOR, Ph.D. (Connecticut), *Agronomy Specialist*.  
 THERESA C. THOMAS, B.S. (Penn State), *Extension Associate I*.  
 H. DON TILMON, Ph.D. (Purdue), *Farm Management Specialist*.  
 ROBERT UNIATOWSKI, B.S. (Delaware), *Field Crops Associate*.  
 GERALD F. VAUGHN, M.S. (Delaware), *Resource Economics and Public*  
*Policy Specialist*.  
 S. DERBY WALKER JR., M.S. (Delaware), *Agricultural Agent*.  
 FRANCIS J. WEBB, M.S. (Delaware), *Weed Science Specialist*.  
 JOANNE M. WHALEN, M.S. (Delaware), *Pest Management Specialist*.  
 SUSAN P. WHITNEY, Ph.D. (North Carolina), *Pesticides Specialist*.  
 ROXANE H. WHITTAKER, M.S. (Ohio State), *County Coordinator, Home*  
*Economics Agent*.  
 MARY A. WILCOXON, M.S. (Kansas State), *Home Economics Agent*.  
 THOMAS H. WILLIAMS, M.E.E. (Delaware), *Agricultural Engineer and*  
*Water-Quality Specialist*.  
 JAMES C. WINDSOR, B.S. (Delaware), *County Coordinator, Agricultural*  
*Agent*.  
 LAURIE G. WOLINSKI, B.S. (Delaware), *Farm Management Associate*.  
 DAVID H. WOODWARD B.S. (Delaware), *Assistant Director, Agricultural*  
*and Natural Resources*.  
 TRACY L. WOOTTEN, B.S. (Delaware), *Vegetable Crops Associate*.

#### Joint and Adjunct Appointments

*Agricultural Engineering*: JAMES N. SCARBOROUGH.  
*Animal Science and Agricultural Biochemistry*: GEORGE F.W. HAENLEIN,  
 LMIN KUNG.  
*Entomology and Applied Ecology*: DEWEY M. CARON.

## COLLEGE OF ARTS AND SCIENCE

MARY P. RICHARDS, Ph.D. (Wisconsin), *Dean, also Professor, English*.  
 D. HEYWARD BROCK, Ph.D. (Kansas), *Senior Associate Dean, also*  
*Professor, English*.  
 THOMAS R. SCOTT, Ph.D. (Duke), *Associate Dean, also Professor,*  
*Psychology*.  
 RONALD H. WENGER, Ph.D. (Michigan State), *Associate Dean, also*  
*Associate Professor, Mathematical Sciences*.  
 CLAUDIA G. FISCHER, Ed.M. (SUNY, Buffalo), *Assistant Dean and*  
*Director of Student Services*.  
 LISA HUBER, B.S. (Delaware), *Executive Assistant to the Dean for Fiscal*  
*Affairs*.  
 JAMA M. ALLEGRETTO, M.Ed. (Delaware), *Administrative Academic*  
*Adviser*.  
 CHARLENE E.W. BRADLEY, M.A. (Middlebury), *Administrative Academic*  
*Adviser*.  
 PATRICIA JEFFERY, M.A. (Delaware), *Administrative Academic Adviser*.  
 CATHERINE McLAUGHLIN, M.A. (Delaware), *Administrative Academic*  
*Adviser*.  
 JOANNA MOORE, B.A. (Delaware), *Administrative Academic Adviser*.  
 JOAN R. REES, M.Ed. (West Chester), *Administrative Academic Adviser*.  
 WILLIAM W. ZAGAR, M.Ed. (Delaware), *Administrative Academic Adviser*.  
 IRENE ZYCH, M.S. (Delaware), *Administrative Academic Adviser*.

## Anthropology

DANIEL P. BIEBUYCK, (State University, Ghent, Belgium), *H. Rodney*  
*Sharp Professor of Anthropology and Humanities Emeritus*.  
 JAY F. CUSTER, Ph.D. (Catholic University of America) *Professor*.  
 PETER G. ROE, Ph.D. (Illinois), *Professor*.  
 NORMAN B. SCHWARTZ, Ph.D. (Pennsylvania), *Professor*.  
 KENNETH J. ACKERMAN, Ph.D. (Pennsylvania), *Associate Professor*.  
 SVEND E. HOLSOE, Ph.D. (Boston University), *Associate Professor*.  
 KAREN R. ROSENBERG Ph.D. (Michigan), *Associate Professor*.  
 JUAN A. VILLAMARIN, Ph.D. (Brandeis), *Associate Professor and Chair*.  
 PETER M. WEIL, Ph.D. (Oregon), *Associate Professor*.  
 LuANN DeCUNZO (Pennsylvania), *Assistant Professor, also Assistant*  
*Professor, Winterthur Program in Early American Culture*.  
 THOMAS R. ROCEK, Ph.D. (Michigan), *Assistant Professor*.

## Art

MARTHA L. CAROTHERS, M.F.A. (Penn State), *Professor and Chair*.  
 JULIO Da CUNHA, M.F.A. (Cranbrook Academy of Fine Arts), *Professor*  
*Emeritus*.  
 ANNE K. GRAHAM, M.F.A. (Iowa), *Professor*.  
 LARRY W. HOLMES, M.F.A. (Cranbrook Academy of Fine Arts), *Professor*.  
 ROSEMARY LANE, M.F.A. (Oregon) *Professor*.  
 JOE F. MOSS, M.A. (West Virginia), *Professor*.  
 RAYMOND D. NICHOLS, M.F.A. (Louisiana Tech), *Professor*.  
 CHARLES A. ROWE, M.F.A. (Tyler School of Art), *Professor*.  
 NORMAN SASOWSKY, Ed.D. (New York University), *Professor*.  
 BRYON P. SHURTLEFF, M.S. (Illinois State), *Professor Emeritus*.  
 VICTOR SPINSKI, M.F.A. (Indiana), *Professor*.  
 ROBERT STRAIGHT, M.F.A. (Cranbrook Academy of Fine Arts), *Professor*.  
 STEPHEN G. TANIS, M.F.A. (Cranbrook Academy of Fine Arts), *Professor*.  
 DANIEL K. TEIS, Ph.D. (New York University), *Professor Emeritus*.  
 JOHN J. WEISS, M.F.A. (Rhode Island School of Design), *Professor*.  
 MARGARET P. ALLEN, M.F.A. (Washington), *Associate Professor Emerita*.  
 RANDALL C. BOLTON, M.F.A. (Ohio State), *Associate Professor*.  
 PETER CROYDON, DIPLOMA, (Regent Street Polytechnic, London),  
*Associate Professor*.

VERA E. KAMINSKI, M.F.A. (Maryland Institute College of Art), *Associate Professor, also Ph.D. Program Coordinator.*

BRYN E. BARNARD, B.A. (California, Berkeley), *Assistant Professor.*

BELENA S. CHAPP, M.A. (Purdue), *Gallery Director/Curator, University Gallery.*

PAUL A. MILES, B.A.A.S. (Delaware), *Assistant Professor.*

PRISCILLA SMITH, M.F.A. (Illinois), *Assistant Professor.*

#### **Joint and Adjunct Appointments**

*Art Conservation:* HILTON E. BROWN.

#### **Art Conservation**

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

CHANDRA REEDY, Ph.D. (California, Los Angeles), *Associate Professor, also Ph.D. Program Coordinator.*

JOYCE HILL STONER, M.A. (New York University), *Associate Professor and Chair.*

RICHARD C. WOLBERS, M.F.A. (California, San Diego), M.S. (Delaware), *Associate Professor, also Science Coordinator, Paintings Conservator.*

DEBRA HESS NORRIS, M.S. (Delaware), *Assistant Professor, also Assistant Chair and Conservator of Photographs, and Associate Director, Art Conservation Winterthur Program.*

MELANIE GIFFORD, M.A. (Cooperstown), *Instructor in Microscopy.*

ROBERTA TARBELL, Ph.D. (Delaware), *Art History, Visiting Scholar.*

LOWELL PERKINS, Ph.D. (Michigan), *Consulting Professional.*

#### **Joint and Adjunct Appointments**

*Chemistry and Biochemistry:* THOMAS BRILL.

*Geology:* PETER LEAVENS.

*Adjunct Faculty:* ALBERT ALBANO, M.A.; • MARK ANDERSON, B.A.; • JANICE CARLSON, M.S.; • HERBERT L. CROSSAN; • LINDA EATON, Certificate; • BETTY FISKE, M.S.; • JOY GARDINER, M.S.; • JOHN KRILL, M.A.; • GREGORY LANDREY, B.A.; • MARGARET LITTLE, M.S.; • DEBORAH LONG, B.F.A.; • MICHAEL PODMANICZKY, B.A.; • JULIE REILLY, M.A.; • WENDY SAMET, M.S.; • ALBERTO TAGLE, Ph.D.

#### **Art History**

NINA ATHANASSOGLU-KALLMYER, Ph.D. (Princeton), *Professor.*

MAURICE E. COPE, Ph.D. (Chicago), *Professor.*

E. WAYNE CRAVEN, Ph.D. (Columbia), *H.F. du Pont Winterthur Professor, also Winterthur Professor, Winterthur Program in Early American Culture.*

J. STEPHENS CRAWFORD, Ph.D. (Harvard), *Professor.*

WILLIAM I. HOMER, Ph.D. (Harvard), *H. Rodney Sharp Professor.*

LAWRENCE P. NEES JR., Ph.D. (Harvard), *Professor.*

DAMIE STILLMAN, Ph.D. (Columbia), *John W. Shirley Professor and Chair, also John W. Shirley Professor, Winterthur Program in Early American Culture.*

GEORGE B. TATUM, Ph.D. (Princeton), *H. Rodney Sharp Professor Emeritus.*

H. PERRY CHAPMAN, Ph.D. (Princeton), *Associate Professor.*

BERNARD L. HERMAN, Ph.D. (Pennsylvania), *Associate Professor, also Associate Professor, History and Hagley Program, and Senior Policy Scientist, College of Urban Affairs and Public Policy.*

LINDA PELLECCIA, Ph.D. (Harvard), *Assistant Professor.*

DAVID M. STONE, Ph.D. (Harvard), *Assistant Professor.*

JENNIFER B. HINTLIAN, M.A. (Boston), *Assistant Slide Curator.*

LENIS H. NORTHMORE, M.L.S. (Simmons), *Assistant Slide Curator.*

#### **Joint and Adjunct Appointments**

*Art Conservation:* HILTON E. BROWN.

*Museum Studies:* BRYANT F. TOLLES JR.

#### **Biological Sciences**

(See SCHOOL OF LIFE AND HEALTH SCIENCES).

#### **Black American Studies**

JAMES E. NEWTON, Ph.D. (Illinois), *Director and Professor.*

HOWARD B. JOHNSON, Ph.D. (Oxford), *Associate Professor, also Associate Professor, History.*

CAROLE C. MARKS, Ph.D. (New York University), *Associate Professor, also Associate Professor, Sociology.*

LEON F. PETTIWAY, Ph.D. (Wisconsin), *Associate Professor.*

#### **Chemistry and Biochemistry**

THOMAS B. BRILL, Ph.D. (Minnesota), *Professor.*

JOHN L. BURMEISTER, Ph.D. (Northwestern), *Alumni Distinguished Professor and Associate Chair.*

ROBERTA F. COLMAN, Ph.D. (Harvard), *Professor.*

DON DENNIS, Ph.D. (Brandeis), *Professor and Assistant Chair.*

CECIL R. DYBOWSKI, Ph.D. (Texas), *Professor.*

ELIZABETH DYER, Ph.D. (Yale), *Professor Emerita.*

DENNIS H. EVANS, Ph.D. (Harvard), *Professor.*

JEAN H. FUTRELL, Ph.D. (California, Berkeley), *Willis F. Harrington Professor and Chair.*

RICHARD F. HECK, Ph.D. (California, Los Angeles), *Professor Emeritus.*

MAHENDRA K. JAIN, Ph.D. (Weizmann Institute, Israel), *Professor.*

JAMES A. MOORE, Ph.D. (Pennsylvania), *Professor Emeritus.*

BURNABY MUNSON, Ph.D. (Texas), *Professor.*

JOSEPH H. NOGGLE, Ph.D. (Harvard), *Professor.*

ARNOLD L. RHEINGOLD, Ph.D. (Maryland), *Professor.*

DOUGLAS P. RIDGE, Ph.D. (Harvard), *Professor.*

MELVYN D. SCHIAVELLI, Ph.D. (California, Berkeley), *Professor, also Provost of the University.*

EDWARD E. SCHWEIZER, Ph.D. (M.I.T.), *Professor Emeritus.*

DOUGLASS F. TABER, Ph.D. (Columbia), *Professor.*

COLIN THORPE, Ph.D. (University of Kent, Canterbury), *Professor.*

DONALD B. WETLAUFER, Ph.D. (Wisconsin), *Du Pont Chemistry Professor.*

HAROLD B. WHITE III, Ph.D. (Brandeis), *Professor.*

MARY J. WIRTH, Ph.D. (Purdue), *Professor.*

ROBERT H. WOOD, Ph.D. (California, Berkeley), *Professor.*

JOHN C. WRISTON JR., Ph.D. (Columbia), *Professor Emeritus.*

STEVEN D. BROWN, Ph.D. (Washington), *Associate Professor.*

JOHN E. BULKOWSKI, Ph.D. (Carnegie-Mellon), *Associate Professor.*

DOUGLAS J. DOREN, Ph.D. (Harvard), *Associate Professor.*

MURRAY V. JOHNSTON, Ph.D. (Wisconsin-Madison), *Associate Professor.*

CYNTHIA K. McCLURE, Ph.D. (Wisconsin), *Associate Professor.*

WALLACE H. McCURDY JR., Ph.D. (Illinois), *Associate Professor Emeritus.*

ROGER K. MURRAY JR., Ph.D. (Michigan State), *Associate Professor.*

KLAUS H. THEOPOLD, Ph.D., (California, Berkeley), *Associate Professor.*

CONRAD N. TRUMBORE, Ph.D. (Penn State), *Associate Professor.*

CARL A. Von FRANKENBERG, Ph.D. (Pennsylvania), *Associate Professor.*

FREDRIC R. ASKHAM, Ph.D. (Washington), *Assistant Professor.*

H. KEITH CHENAULT, Ph.D. (Harvard), *Assistant Professor.*

P. ANDREW EVANS, Ph.D. (Cambridge), *Assistant Professor.*

PHILIP A. GOTTLIEB, Ph.D. (Weizmann Institute of Science), *Assistant Professor.*

GREGORY R. MOE, Ph.D. (Chicago), *Assistant Professor.*

KATHRYN CLARE SCANTLEBURY, Ph.D. (Purdue), *Assistant Professor.*

#### **Joint and Adjunct Appointments**

*Chemical Engineering:* MARK A. BARTEAU, STUART L. COOPER, HENRY C. FOLEY.

*Marine Studies.* THOMAS M. CHURCH, GEORGE W. LUTHER, III, J. HERBERT WAITE.

*School of Life and Health Sciences.* JACQUES J. PENE.

*University Honors Program.* SUSAN E. GROH.

*Adjunct Faculty.* STEPHEN L. BRENNER, Ph.D.; • DAVID A. DIXON, Ph.D.; • JACQUES P. FRAISSARD, Ph.D.; • RICHARD HARLOW, Ph.D.; • HOWARD E. SIMMONS, Ph.D.

## Communication

JOHN A. COURTRIGHT, Ph.D. (Iowa), *Professor and Chair.*

BETTY J. HASLETT, Ph.D. (Minnesota), *Professor; also Professor, Psychology and Professor, Linguistics.*

NANCY SIGNORIELLI, Ph.D. (Pennsylvania), *Professor.*

CYNTHIA S. BURGGRAF, Ph.D. (Ohio State), *Associate Professor.*

JULIET L. DEE, Ph.D. (Temple), *Associate Professor.*

CHARLES PAVITT, Ph.D. (Wisconsin), *Associate Professor.*

ELIZABETH M. PERSE, Ph.D. (Kent State), *Associate Professor.*

DOUGLAS McLEOD, Ph.D. (Minnesota), *Assistant Professor.*

WENDY SAMTER, Ph.D. (Purdue), *Assistant Professor.*

SHEILA C. CRIFASI, M.A. (Boston), *Instructor.*

ROBIN VAGENAS, M.A. (Delaware), *Instructor.*

## Comparative Literature Program

THEODORE E.D. BRAUN, Ph.D. (California, Berkeley), *Professor, also Professor, Foreign Languages and Literatures.*

HANS-PETER BREUER, Ph.D. (Stanford), *Professor and Coordinator; also Professor, English.*

ROGER L. COX, Ph.D. (Columbia), *Professor, also Professor, English.*

JAY L. HALIO, Ph.D. (Yale), *Professor; also Professor, English and Theatre, and Chair, University of Delaware Press.*

ELLEN I. PIFER, Ph.D., (California, Berkeley), *Professor; also Professor, English.*

ALFRED R. WEDEL, Ph.D. (Pennsylvania), *Professor; also Professor, Linguistics, and Professor, Foreign Languages and Literatures.*

GERALD R. CULLEY, Ph.D. (North Carolina), *Associate Professor; also Associate Professor, Foreign Languages and Literatures.*

NICHOLAS P. GROSS, Ph.D. (North Carolina), *Associate Professor; also Associate Professor, Foreign Languages and Literatures.*

JUDY P. McINNIS, Ph.D. (North Carolina), *Associate Professor; also Associate Professor, Foreign Languages and Literatures.*

## Computer and Information Sciences

RICHARD A. ALBRIGHT, Ph.D. (Delaware), *Associate to the Chair.*

PAUL D. AMER, Ph.D. (Ohio State), *Professor; also Professor, Electrical Engineering.*

JOHN CASE, Ph.D. (Illinois), *Professor and Chair.*

B.F. CAVINESS, Ph.D. (Carnegie-Mellon), *Professor; also Professor, Mathematical Sciences.*

CLAUDIO GUTIÉRREZ, Ph.D. (Chicago), *Professor; also Professor, Philosophy.*

DAVID E. LAMB, Ph.D. (Princeton), *Professor.*

ERROL L. LLOYD, Ph.D. (M.I.T.), *Professor.*

TUNCAY SAYDAM, Ph.D. (Istanbul Technical University), *Professor.*

M. SANDRA CARBERRY, Ph.D. (Delaware), *Associate Professor; also Associate Professor, Linguistics.*

DANIEL L. CHESTER, Ph.D. (California, Berkeley), *Associate Professor; also Associate Professor, Linguistics.*

RICHARD A. FOULDS, Ph.D. (Tufts), *Research Professor.*

KATHLEEN F. McCOY, Ph.D. (Pennsylvania), *Associate Professor; also Associate Professor, Linguistics.*

MICHAEL PATERAKIS, Ph.D. (Virginia), *Associate Professor.*

B. DAVID SAUNDERS, Ph.D. (Wisconsin), *Associate Professor; also Associate Professor, Mathematical Sciences.*

ADARSHPAL S. SETHI, Ph.D. (Indian Institute of Technology, Kanpur), *Associate Professor.*

K. VIJAYASHANKER, Ph.D. (Pennsylvania), *Associate Professor.*

H. TIMOTHY BUNNELL, Ph.D. (Penn State), *Research Associate Professor.*

SHARAD GARG, Ph.D. (Rensselaer), *Visiting Assistant Professor.*

VIJAY GEHLOT, Ph.D. (Pennsylvania), *Visiting Assistant Professor.*

LORI L. POLLOCK, Ph.D. (Pittsburgh), *Assistant Professor.*

TARIQ RAHMAN, Ph.D. (Drexel), *Research Assistant Professor.*

WILLIAM HARWIN, Ph.D. (Cambridge), *Research Assistant Professor.*

## Joint and Adjunct Appointments

*Educational Studies.* RICHARD L. VENEZKY.

*Linguistics.* ROBERT E. FRANK.

*Mathematical Sciences.* PAUL P. EGGERMONT, ROBERT P. GILBERT, PETER R. MONK.

*School of Life and Health Sciences.* THOMAS S. RAY.

*Adjunct Faculty.* S. KAMAL ABDALI, Ph.D.; • PATRICK W. DEMASCO, M.S.

## Criminal Justice Program

(See SOCIOLOGY AND CRIMINAL JUSTICE)

## English

MARK E. AMSLER, Ph.D. (Ohio State), *Professor; also Professor, Linguistics.*

DEBORAH ANDREWS, M.A. (Wyoming), *Professor.*

JERRY C. BEASLEY, Ph.D. (Northwestern), *Professor.*

CHARLES BOHNER, Ph.D. (Pennsylvania), *Professor.*

HANS-PETER BREUER, Ph.D. (Stanford), *Professor; also Professor, Foreign Languages and Literatures and Coordinator, Comparative Literature Program.*

D. HEYWARD BROCK, Ph.D. (Kansas), *Professor; also Senior Associate Dean, College of Arts and Science.*

THOMAS O. CALHOUN, Ph.D. (Michigan), *Professor.*

ROGER L. COX, Ph.D. (Columbia), *Professor.*

PAUL A. CUNDIFF, Ph.D. (Cornell), *H. Rodney Sharp Professor Emeritus.*

RICHARD A. DAVISON, Ph.D. (Wisconsin), *Professor.*

CARL DAWSON, Ph.D. (Columbia), *Professor.*

ROBERT A. DAY, M.A. (Columbia), *Professor.*

ANNA JANNEY DeARMOND, Ph.D. (Pennsylvania), *Professor Emerita.*

JOAN DeFATTORE Ph.D. (Penn State), *Professor.*

PHILIP D. FLYNN, Ph.D. (Maryland), *Professor.*

BARBARA T. GATES, Ph.D. (Bryn Mawr), *Professor.*

JAY L. HALIO, Ph.D. (Yale), *Professor; also Professor, Theatre and Comparative Literature; and Chair, University of Delaware Press.*

ROBERT HOGAN, Ph.D. (Missouri), *Professor.*

M. DENNIS JACKSON, Ph.D. (Arkansas), *Professor.*

KEVIN J. KERRANE, Ph.D. (North Carolina), *Professor.*

THOMAS LEITCH, Ph.D. (Yale), *Professor.*

J. A. LEO LEMAY, Ph.D. (Pennsylvania), *Winterthur Professor.*

RONALD E. MARTIN, Ph.D. (Boston University), *Professor; also Professor, Center for Science and Culture.*

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

THOMAS F. MERRILL, Ph.D. (Wisconsin), *Professor.*

GEORGE MILLER, Ph.D. (Connecticut), *Professor and Chair, also Director, Writing Program.*

EDWARD A. NICKERSON, Ph.D. (SUNY, Albany), *Professor Emeritus.*

HERSHEL PARKER, Ph.D. (Northwestern), *H. Fletcher Brown Professor.*

THOMAS H. PAULY, Ph.D. (California, Berkeley), *Professor; also Director, American Studies.*

ELLEN I. PIFER, Ph.D. (California, Berkeley), *Professor; also Professor, Comparative Literature.*

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

MARY P. RICHARDS, Ph.D. (Wisconsin), *Professor; also Dean, College of Arts and Science*.

CHARLES E. ROBINSON, Ph.D. (Temple), *Professor*.

EDWARD H. ROSENBERRY, Ph.D. (Pennsylvania), *Professor Emeritus*.

GIBBONS RUARK, M.A. (Massachusetts), *Professor*.

ELAINE B. SAFER, Ph.D. (Case-Western), *Professor*.

BONNIE KIME SCOTT, Ph.D. (North Carolina), *Professor*.

W.D. SNODGRASS, M.F.A. (Iowa), *Professor*.

CRUCE STARK, Ph.D. (Harvard), *Professor*.

JEANNE MURRAY WALKER, Ph.D. (Pennsylvania), *Professor*.

JOAN BENNETT, Ph.D. (Stanford), *Associate Professor; also Coordinator of Undergraduate Research, University Honors Program*.

ROBERT B. BENNETT, Ph.D. (Stanford), *Associate Professor*.

ROBERT D. BETHKE, Ph.D. (Pennsylvania), *Associate Professor*.

R. JOHN BROCKMANN, D.A. (Michigan), *Associate Professor*.

MICHAEL A. COTSELL, Ph.D. (Birmingham), *Associate Professor*.

JAMES M. DEAN, Ph.D. (Johns Hopkins), *Associate Professor*.

W. BRUCE FINNIE, Ph.D. (Ohio State), *Associate Professor; also Associate Professor, Linguistics*.

STEVEN HELMLING, Ph.D. (Rutgers), *Associate Professor*.

FLEDA JACKSON, Ph.D. (Arkansas), *Associate Professor*.

BERNARD L. KAPLAN, M.F.A. (Iowa), *Associate Professor*.

FRANKLIN B. NEWMAN, Ph.D. (Harvard), *Associate Professor Emeritus*.

JEANNE PFAELZER, Ph.D. (University of London), *Associate Professor; also Associate Professor, University Honors Program*.

MICHAEL P. REWA, Ph.D. (Stanford), *Associate Professor*.

HARRIS E. ROSS, Ph.D. (Arkansas), *Associate Professor*.

ANN MATLOCK WEYGANDT, Ph.D. (Pennsylvania), *Associate Professor Emerita*.

ANN L. ARDIS, Ph.D. (Virginia), *Assistant Professor*.

EDWARD V. GUERRERO, Ph.D. (California, Berkeley), *Assistant Professor*.

SARAH HOROWITZ, Ph.D. (Brandeis), *Assistant Professor; also Assistant Professor, University Honors Program*.

ALVINA E. QUINTANA, Ph.D. (California, Santa Cruz), *Assistant Professor*.

SUSAN RUEL, Ph.D. (Denver), *Assistant Professor*.

BEN YAGODA, M.A. (Pennsylvania), *Assistant Professor*.

MARGARET P. HASSERT, M.A. (Delaware), *Instructor and Director, University Writing Center*.

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

MARCIA PEOPLES HALIO, M.A. (Delaware), *Instructor*.

REBECCA WORLEY, M.A. (Delaware), *Instructor*.

HILDA DAVIS, Ph.D. (Chicago), *Lecturer Emerita*.

### Joint and Adjunct Appointments

*Linguistics*: LOUISE ARENA, WILLIAM FRAWLEY.

*School of Life and Health Sciences*: RIVERS SINGLETON.

*Adjunct Faculty*: HORST ARNDT, Ph.D.; • WERNER ENNINGER, Ph.D.

### Foreign Languages and Literatures

ELIZABETH L. BOHNING, Ph.D. (Bryn Mawr), *Professor Emerita*.

THEODORE E.D. BRAUN, Ph.D. (California, Berkeley), *Professor; also Professor, Comparative Literature*.

JOAN L. BROWN, Ph.D. (Pennsylvania), *Professor*.

RENÉ COULET DU GARD, D.D. 'UN (Besancon, France), *Professor Emeritus*.

MARY P. DONALDSON-EVANS, Ph.D. (Pennsylvania), *Professor; also Chair, President's Commission on the Status of Women*.

MAX S. KIRCH, Ph.D. (Pennsylvania), *Professor Emeritus*.

THOMAS A. LATHROP, Ph.D. (California, Los Angeles), *Professor*.

JAMES C. McLAREN Ph.D. (Columbia), *Professor Emeritus*.

A. JULIAN VALBUENA, Ph.D. (Madrid), *Elias Ahuja Professor of Spanish*.

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

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

GERALD R. CULLEY, Ph.D. (North Carolina), *Associate Professor; also Associate Professor, Comparative Literature*.

IVO DOMINGUEZ, Ph.D. (Florida State), *Associate Professor*.

NICOLAS P. GROSS, Ph.D. (North Carolina), *Associate Professor; also Associate Professor, Comparative Literature*.

JUDY B. McINNIS, Ph.D. (North Carolina), *Associate Professor; also Associate Professor, Comparative Literature*.

WILLY RIEMER, Ph.D. (Yale), *Associate Professor*.

BONNIE A. ROBB, Ph.D. (Bryn Mawr), *Associate Professor*.

MONIKA SHAFI, Ph.D. (Maryland), *Associate Professor*.

DAVID L. STIXRUDE, Ph.D. (Princeton), *Associate Professor*.

BRUNO THIBAUT, Ph.D. (Université de Paris X and Maryland), *Associate Professor*.

MILLICENT A. BOLDEN, Ph.D. (North Carolina), *Assistant Professor*.

CYNTHIA C. CAPONE, Ph.D. (Rutgers), *Assistant Professor*.

KATRIEN CHRISTIE, Ph.D. (Delaware), *Assistant Professor*.

JORGE H. CUBILLOS, Ph.D. (Penn State), *Assistant Professor*.

R. GARY FERGUSON, Ph.D. (Durham, England), *Assistant Professor*.

EDELTRAUT GILGENAST, M.A. (Middlebury), *Assistant Professor Emerita*.

BARBARA K. GILLETTE, Ph.D. (Delaware), *Assistant Professor*.

RUTH A. KANAGY, Ph.D. (Pennsylvania), *Assistant Professor*.

ALEXANDER LEHRMAN, Ph.D. (Yale), *Assistant Professor*.

AMÉRICA MARTINEZ-LEWIS, Ph.D. (Illinois, Urbana-Champaign), *Assistant Professor*.

THOMAS V. McCONE, Ph.D. (Penn State), *Assistant Professor*.

MARK MILLER, Ph.D. (Delaware), *Assistant Professor*.

JOHN NICHOLSON, Ph.D. (North Carolina), *Assistant Professor*.

NANCY NOBILE, Ph.D. (Johns Hopkins), *Assistant Professor*.

CYNTHIA SCHMIDT-CRUZ, Ph.D. (Wisconsin), *Assistant Professor*.

RUTH J. BELL, M.A. (Marquette), *Instructor*.

JUDY A. CELLI, M.A. (Delaware), *Instructor*.

GABRIELLA FINIZIO, M.A. (Delaware), *Instructor*.

OTILIA HOIDAL, M.A. (Delaware), *Instructor*.

CRISTA J. JOHNSON, M.A. (Delaware), *Instructor*.

KRISTYNA P. MUSIK, M.A. (Houston), *Instructor*.

FLORA M. POINDEXTER, M.A. (Delaware), *Instructor*.

BARBARA L. TOCCAFONDI, M.A. (Middlebury), *Instructor*.

AMALIA C. VEITIA, M.A. (Delaware), *Instructor*.

IRIS BUSCH, M.A. (Leipzig, Germany), *Instructor*.

LISA CHIEFFO, M.A. (Delaware), *Instructor*.

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

JAMES DeJONG, M.A. (Delaware), *Instructor*.

VERONICA EID, M.A. (Delaware), *Instructor*.

CYNTHIA G. ESPINOZA, M.A. (Delaware), *Instructor*.

CARMEN FINNICUM, M.A. (Delaware), *Instructor*.

STEPHANIE FIORE, M.A. (Rutgers), *Instructor*.

LYSETTE F. HALL, M.A. (Paris XII, France), *Instructor*.

JINZHI LIU, M.A. (Delaware), *Instructor*.

BELKYS MANRIQUE, M.A. (Delaware), *Instructor*.

S. ALEXANDER SELIMOV, M.A. (Daguestan, Russia and Delaware), *Instructor*.

ELIZABETH K. THIBAUT, M.A. (Maryland), *Instructor*.

BARBARA B. WARE, M.A. (Delaware), *Instructor*.

### Joint and Adjunct Appointments

*English*: HANS-PETER BREUER.

*Linguistics*: ROGER J. STEINER, ALFRED R. WEDEL.

## Geography

LAURENCE S. KALKSTEIN, Ph.D. (Louisiana State), *Professor*.  
 JOHN R. MATHER, Ph.D. (Johns Hopkins), *Professor*.  
 CORT J. WILLMOTT, Ph.D. (California, Los Angeles), *Professor and Chair*; also *Professor, College of Marine Studies*.  
 EDMUNDS V. BUNKSE, Ph.D. (California, Berkeley), *Associate Professor*.  
 BRIAN HANSON, Ph.D. (Minnesota), *Associate Professor*.  
 THOMAS C. MEIERDING, Ph.D. (Colorado), *Associate Professor*.  
 PETER W. REES, Ph.D. (California, Berkeley), *Associate Professor*.  
 YDA SCHREUDER, Ph.D. (Wisconsin), *Associate Professor*; also *Associate Professor, College of Urban Affairs and Public Policy*.  
 APRIL R. VENESS, Ph.D. (Minnesota), *Associate Professor*; also *Associate Professor, College of Urban Affairs and Public Policy*.  
 DANIEL J. LEATHERS, Ph.D. (Penn State), *Assistant Professor*.

### Joint and Adjunct Appointments

*Marine Studies*: VICTOR V. KLEMAS.  
*Mathematical Sciences*: JOHN H. SCHUENEMEYER.  
*Urban Affairs and Public Policy*: DAVID L. AMES.  
*Adjunct Faculty*: WILLIAM J. COHEN, M.A.

## Geology

BILLY P. GLASS, Ph.D. (Columbia), *Professor and Chair*; also *Professor, College of Marine Studies*.  
 ROBERT R. JORDAN, Ph.D. (Bryn Mawr), *Professor*; also *Director and State Geologist, Delaware Geological Survey*.  
 JOHN C. KRAFT, Ph.D. (Minnesota), *H. Fletcher Brown Professor*; also *H. Fletcher Brown Professor, College of Marine Studies*.  
 PETER B. LEAVENS, Ph.D. (Harvard), *Professor*; also *Curator, University Mineral Collection*.  
 FREDERICK M. SWAIN, Ph.D. (Kansas), *Professor Emeritus*.  
 JOHN F. WEHMILLER, Ph.D. (Columbia), *Professor*; also *Professor, College of Marine Studies*.  
 JOHN A. MADSEN, Ph.D. (Rhode Island), *Associate Professor*; also *Associate Professor, College of Marine Studies*.  
 RONALD E. MARTIN, Ph.D. (California, Berkeley), *Associate Professor*; also *Associate Professor, College of Marine Studies*.  
 SUSAN McGEARY, Ph.D. (Stanford), *Associate Professor*; also *Associate Professor, College of Marine Studies*.  
 JAMES E. PIZZUTO, Ph.D. (Minnesota), *Associate Professor*.  
 ALLAN M. THOMPSON, Ph.D. (Brown), *Associate Professor*.

### Joint and Adjunct Appointments

*Delaware Geological Survey*: RICHARD N. BENSON.  
*Marine Studies*: RONALD J. GIBBS, FRANK R. HALL, DAVID E. KRANTZ, WILLIAM J. ULLMAN.  
*Mathematical Sciences*: JOHN H. SCHUENEMEYER.

## History

DAVID F. ALLMENDINGER JR., Ph.D. (Wisconsin), *Professor*; also *Professor, Winterthur Program in Early American Culture*.  
 GEORGE BASALLA, Ph.D. (Harvard), *Professor*; also *Professor, Hagley Program and Winterthur Program in Early American Culture*.  
 JOHN A. BERNSTEIN, Ph.D. (Harvard), *Professor*.  
 DANIEL F. CALLAHAN, Ph.D. (Wisconsin), *Professor*.  
 RAYMOND A. CALLAHAN, Ph.D. (Harvard), *Professor and Director, Master of Arts in Liberal Studies Program*.  
 JAMES C. CURTIS, Ph.D. (Northwestern), *Professor and Director, Winterthur Program in Early American Culture*.  
 LAWRENCE G. J. DUGGAN, Ph.D. (Harvard), *Professor*.  
 EUGENE S. FERGUSON, M.S. (Iowa State), *Professor Emeritus*; also *Professor Emeritus, Hagley Program*.  
 WILLARD ALLEN FLETCHER, Ph.D. (Pennsylvania), *Professor Emeritus*.

REED GEIGER, Ph.D. (Minnesota), *Professor*; also *Professor, Hagley Program*.  
 CAROL E. HOFFECKER, Ph.D. (Harvard), *Richards Professor of History*; also *Associate Provost for Graduate Studies*.  
 WALTER KIRCHNER, Ph.D. (California, Los Angeles), *H. Rodney Sharp Professor Emeritus*.  
 PETER R. KOLCHIN, Ph.D. (Johns Hopkins), *Professor*; also *Professor, Hagley Program*.  
 TAI LIU, Ph.D. (Indiana), *Professor Emeritus*.  
 STEPHEN LUKASHEVICH, Ph.D. (California, Berkeley), *Professor*.  
 GARY MAY, Ph.D. (California, Los Angeles), *Professor*.  
 JAMES A. MERRILL, Ph.D. (California, Los Angeles), *Professor Emeritus*.  
 DONALD H. MEYER, Ph.D. (California, Berkeley), *Professor*.  
 JOHN A. MUNROE, Ph.D. (Pennsylvania), *H. Rodney Sharp Professor Emeritus*.  
 DAVID PONG, Ph.D. (London), *Professor and Chair*; also *Coordinator, East Asian Studies Program and Professor, Hagley Program*.  
 GERALD M. STRAKA, Ph.D. (Wisconsin), *Professor Emeritus*.  
 RAYMOND B. WOLTERS, Ph.D. (California, Berkeley), *Professor*.  
 GUY ALCHON, Ph.D. (Iowa), *Associate Professor*; also *Associate Professor, Hagley Program*.  
 SUZANNE AUSTIN ALCHON, Ph.D. (Duke), *Associate Professor*.  
 JOHN J. BEER, Ph.D. (Illinois), *Associate Professor Emeritus*; also *Associate Professor Emeritus, Chemistry*.  
 ANNE M. BOYLAN, Ph.D. (Wisconsin), *Associate Professor*; also *Associate Professor, Hagley Program and Winterthur Program in Early American Culture*.  
 CHRISTINE L. HEYRMAN, Ph.D. (Yale), *Associate Professor*; also *Associate Professor, Hagley Program and Winterthur Program in Early American Culture*.  
 JOHN J. HURT, Ph.D. (North Carolina), *Associate Professor*.  
 WUNYABARI MALOBA, O.P.W., Ph.D. (Stanford), *Associate Professor*.  
 CATHY MATSON, Ph.D. (Columbia), *Associate Professor*; also *Director, Hagley Program*.  
 GLENN PORTER, Ph.D. (Johns Hopkins), *Associate Professor*; also *Director, Hagley Museum and Library*.  
 WILLIAM PULLIAM, Ph.D. (Illinois), *Associate Professor*.  
 STEVEN F. SIDEBOTHAM, Ph.D. (Michigan), *Associate Professor*.  
 JAMES M. BROPHY, Ph.D. (Indiana), *Assistant Professor*.  
 JESUS CRUZ, Ph.D. (California, San Diego), *Assistant Professor*.  
 RUDI MATTHEE, Ph.D. (California, Los Angeles), *Assistant Professor*.  
 MARK W. MCLEOD, Ph.D. (California, Los Angeles), *Assistant Professor*.  
 ARWEN MOHUN, Ph.D. (Case Western), *Assistant Professor*.  
 JOHN PATRICK MONTAÑO, Ph.D. (Harvard), *Assistant Professor*.  
 DAVID R. SHEARER, Ph.D. (Pennsylvania), *Assistant Professor*; also *Assistant Professor, Hagley Program*.  
 SUSAN T. SHOEMAKER, Ph.D. (Delaware), *Assistant Professor*.

### Joint and Adjunct Appointments

*Art History*: BERNARD L. HERMAN.  
*Black American Studies*: HOWARD B. JOHNSON.  
*Center for Science and Culture*: EDWARD LURIE.  
*Museum Studies*: J. RITCHIE GARRISON, BRYANT F. TOLLES JR.

## Hagley Program

GEORGE BASALLA, Ph.D. (Harvard), *Professor, History*.  
 EUGENE S. FERGUSON, M.S. (Iowa State), *Professor Emeritus*.  
 TAMARA K. HAREVEN, Ph.D. (Ohio State), *Unidel Professor, Individual and Family Studies*.  
 CAROL E. HOFFECKER, Ph.D. (Harvard), *Richards Professor of History*; also *Associate Provost for Graduate Studies*.  
 PETER R. KOLCHIN, Ph.D. (Johns Hopkins), *Professor, History*.  
 EDWARD LURIE, Ph.D. (Northwestern), *Professor, Center for Science and Culture*.

DAVID PONG, Ph.D. (London), *Professor and Chair, History*.  
 GUY ALCHON, Ph.D. (Iowa), *Associate Professor, History*.  
 JOHN J. BEER, Ph.D. (Illinois), *Associate Professor Emeritus, History*.  
 BARBARA E. BENSON, Ph.D. (Indiana), *Adjunct Associate Professor; also Executive Director, Historical Society of Delaware*.  
 ANNE M. BOYLAN, Ph.D. (Wisconsin), *Associate Professor*.  
 J. RITCHIE GARRISON, Ph.D. (Pennsylvania), *Associate Professor and Associate Director, Museum Studies*.  
 REED G. GEIGER, Ph.D. (Minnesota), *Associate Professor, History*.  
 FARLEY GRUBB, Ph.D. (Chicago), *Associate Professor, Economics*.  
 BERNARD L. HERMAN, Ph.D. (Pennsylvania), *Associate Professor; also Senior Policy Scientist, Urban Affairs and Public Policy*.  
 CHRISTINE L. HEYRMAN, Ph.D. (Yale), *Associate Professor*.  
 CATHY MATSON, Ph.D. (Columbia), *Associate Professor, Director of Hagley Program*.  
 BRYANT F. TOLLES, JR., Ph.D. (Boston), *Associate Professor; also Associate Professor, History and Art History, and Director, Museum Studies*.  
 ARWEN P. MOHUN, Ph.D. (Case Western), *Assistant Professor*.  
 DAVID R. SHEARER, Ph.D. (Pennsylvania), *Assistant Professor*.

## Linguistics

PETER COLE, Ph.D. (Illinois), *Professor and Chair*.  
 WILLIAM J. FRAWLEY, Ph.D. (Northwestern), *Professor, also Professor, English*.  
 ROGER J. STEINER, Ph.D. (Pennsylvania), *Professor; also Professor, Foreign Languages and Literatures*.  
 ALFRED R. WEDEL, Ph.D. (Pennsylvania), *Professor; also Professor, Foreign Languages and Literatures*.  
 LOUIS A. ARENA, Ph.D. (Georgetown), *Associate Professor, also Associate Professor, English*.  
 NANCY LEE SCHWEDA-NICHOLSON, Ph.D. (Georgetown), *Associate Professor*.  
 IRENE B. VOGEL, Ph.D. (Stanford), *Associate Professor*.  
 THOMAS B. ERNST, Ph.D. (Indiana), *Assistant Professor and Director, Undergraduate Studies in Linguistics*.  
 ROBERT E. FRANK, Ph.D. (Pennsylvania), *Assistant Professor; also Assistant Professor, Computer and Information Sciences*.  
 WILLIAM J. IDSARDI, Ph.D. (M.I.T.), *Assistant Professor and Director, Graduate Studies in Linguistics*.

## Joint and Adjunct Appointments

*Communication:* BETTY J. HASLETT.  
*Computer and Information Sciences:* M. SANDRA CARBERRY, DANIEL L. CHESTER, KATHERINE MCCOY.  
*Educational Studies:* ROBERTA M. GOLINKOFF, GABRIELLA HERMON, RICHARD L. VENEZKY.  
*English:* MARK E. AMSLER, W. BRUCE FINNIE.  
*Psychology:* BRIAN P. ACKERMAN.

## Mathematical Sciences

THOMAS S. ANGELL, Ph.D. (Michigan), *Professor*.  
 RONALD D. BAKER, Ph.D. (Ohio State), *Professor*.  
 WILLARD E. BAXTER, Ph.D. (Pennsylvania), *Professor*.  
 DAVID P. BELLAMY, Ph.D. (Michigan State), *Professor*.  
 JOHN A. BROWN, Ph.D. (Wisconsin), *Professor Emeritus*.  
 DAVID L. COLTON, D.Sc. (Edinburgh), *Professor*.  
 L. PAMELA COOK-IOANNIDIS, Ph.D. (Cornell), *Professor and Chair*.  
 GARY L. EBERT, Ph.D. (Wisconsin), *Professor*.  
 ROBERT P. GILBERT, Ph.D. (Carnegie-Mellon), *Unidel Professor; also Professor, College of Marine Studies, and Unidel Professor, Computer and Information Sciences*.  
 DAVID HALLENBECK, Ph.D. (SUNY, Albany), *Professor*.

ARTHUR E. HOERL, M.A. (Southern California), *Professor Emeritus*.  
 GEORGE C. HSIAO, Ph.D. (Carnegie-Mellon), *Professor*.  
 JUDY A. KENNEDY, Ph.D. (Auburn), *Professor*.  
 RALPH E. KLEINMAN, Ph.D. (Technische Hogeschool, Delft, Nederland), *Professor*.  
 RICHARD J. LIBERA, Ph.D. (Rutgers), *Professor*.  
 ALBERT E. LIVINGSTON, Ph.D. (Rutgers), *Professor*.  
 DAVID M. MASON, Ph.D. (Washington), *Professor*.  
 PETER B. MONK, Ph.D. (Rutgers), *Professor, also Professor, Computer and Information Sciences*.  
 M. ZUHAIR NASHED, Ph.D. (Michigan), *Professor; also Professor, Electrical Engineering*.  
 EDWARD J. PELLICCIARO, Ph.D. (North Carolina), *Professor Emeritus*.  
 RUSSELL REMAGE JR., Ph.D. (Pennsylvania), *Professor Emeritus*.  
 MALCOLM S. ROBERTSON, Ph.D. (Princeton), *Unidel Professor Emeritus*.  
 DAVID P. ROSELLE, Ph.D. (Duke), *Professor and President of the University*.  
 FADIL SANTOSA, Ph.D. (Illinois), *Professor*.  
 JOHN H. SCHUENEMEYER, Ph.D. (Georgia), *Professor; also Professor, Geography, and Professor, Geology*.  
 CLIFFORD W. SLOYER, Ph.D. (Lehigh), *Professor*.  
 IVAR STAKGOLD, Ph.D. (Harvard), *Professor; also Professor, Mechanical Engineering*.  
 ROBERT M. STARK, Ph.D. (Delaware), *Professor, also Professor, Civil Engineering*.  
 HOWARD M. TAYLOR, Ph.D. (Stanford), *Professor*.  
 RICHARD J. WEINACHT, Ph.D. (Maryland), *Professor*.  
 JOHN G. BERGMAN, Ph.D. (Illinois), *Associate Professor and Associate Chair*.  
 RICHARD J. CROUSE, Ph.D. (Delaware), *Associate Professor*.  
 PAUL P. EGGERMONT, Ph.D. (SUNY, Buffalo), *Associate Professor; also Associate Professor, Computer and Information Sciences*.  
 VINCENT N. LARICIA, Ph.D. (Texas A&M), *Associate Professor*.  
 FELIX LAZEBNIK, Ph.D. (Pennsylvania), *Associate Professor*.  
 YUK J. LEUNG, Ph.D. (Michigan), *Associate Professor*.  
 RAKESH, Ph.D. (Cornell), *Associate Professor*.  
 LIDIA REJTO, Ph.D. (E. Loránd University), *Associate Professor*.  
 RICHARD B. SACHER, Ph.D. (Stanford), *Associate Professor; also Senior Research Consultant and Manager, CNS User Services*.  
 GILBERTO SCHLEINIGER, Ph.D. (California, Los Angeles), *Associate Professor*.  
 RONALD H. WENGER, Ph.D. (Michigan State), *Associate Professor and Associate Dean, College of Arts and Science*.  
 MORRIS W. BROOKS, Ph.D. (Harvard), *Assistant Professor, also Senior Programmer/Analyst, Computer-Based Instruction*.  
 KATHLEEN HOLLOWELL, Ed.D., (Boston University), *Assistant Professor, also Coordinator of Secondary Math Inservice Programs*.  
 WENBO LI, Ph.D. (Wisconsin), *Assistant Professor*.  
 WALTER K. MALLORY, Ph.D. (Rutgers), *Assistant Professor*.  
 DAVID O. OLAGUNJU, Ph.D. (Northwestern), *Assistant Professor*.  
 RENATE SCHEIDLER, Ph.D. (Manitoba, Canada), *Assistant Professor*.  
 SHANGYOU ZHANG, Ph.D. (Penn State), *Assistant Professor*.  
 GEORGIA B. PYRROS, M.S. (McMaster, Canada), *Instructor*.  
 LILLIAN RUSSELL, M.S. (Delaware), *Instructor*.  
 DANIEL N. SUNDT, M.A. (Pennsylvania), *Lecturer Emeritus*.  
 MICHAEL A. BROOK, M.S. (Northeastern Illinois), *Preparatory Math Specialist*.  
 ANTONIO CIRO, M.S. (Drexel), *Preparatory Math Specialist*.  
 PATRICIA CLEARY, M.A. (Ohio State), *Preparatory Math Specialist*.  
 MARGARET DONLAN, M.S. (Toledo), *Preparatory Math Specialist*.  
 CHRISTINE EBERT, M.S. (Illinois, Urbana), *Preparatory Math Specialist*.  
 PATRICK F. MWERINDE, Ph.D. (Columbia), *Preparatory Math Specialist*.

GERALDINE PRANGE, M.S. (St. Louis), *Preparatory Math Specialist*.  
 ANTHONY SERAPHIN, B.S. (Florida State), *Preparatory Math Specialist*.  
 MARTHA WILSON, M.A. (Rochester), *Preparatory Math Specialist*.

### Joint and Adjunct Appointments

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

*Educational Development*: WILLIAM B. MOODY.

*Mechanical Engineering*: LEONARD W. SCHWARTZ.

### Military Science

DAVID W. HARRIS, M.S. (Georgia Tech), *Lieutenant Colonel, United States Army; Professor and Department Chair*.

DAVID W. CRITICS, B.A. (Delaware), *Captain, United States Army, Assistant Professor*.

JOHN E. COOPER, B.A. (St. Joseph's), *Major, United States Army, Assistant Professor*.

JAMES A. JOYCE, B.S. (Delaware), *Major, Delaware Army National Guard, Assistant Professor*.

JOHN R. BIGHAM III, A.A. (Austin Peay), *Master Sergeant, United States Army, Instructor*.

MARY E. ELLIOTT, A.S. (Rowan), *Sergeant First Class, United States Army, Assistant Instructor*.

### Music

HENRY L. CADY, Ph.D. (Kansas), *Professor Emeritus*.

DAVID HERMAN, D.M.A. (Kansas), *Professor and Chair*.

DONALD J. HILDEBRANDT, D.M. (Indiana), *Professor*.

FRED T. HOFSTETTER, Ph.D. (Ohio State), *Professor; Director and Associate Provost, Instructional Technology Center; also Professor, Educational Development and Professor, Educational Studies*.

JOHN ROBERT KING, M.M. (Eastman), *Professor Emeritus*.

MICHAEL STEINBERG, M.S. (Juilliard), *Professor*.

MICHAEL A. ZINN, Ph.D. (Michigan State), *Professor*.

MICHAEL A. ARENSON, Ph.D. (Ohio State), *Associate Professor and Associate Chair*.

W. ANDREW COTTLE, D.A. (Northern Colorado), *Associate Professor*.

MELANIE K. DeMENT, D.M.A. (North Texas State), *Associate Professor*.

MILDRED M. GADDIS, M.A. (Columbia), *Associate Professor Emerita*.

ALAN D. HAMANT, M.M. (Kansas), *Associate Professor*.

PETER S. HILL, M.M. (De Pauw), *Associate Professor*.

ROBERT C. HOGENSON, Ph.D. (Michigan State), *Associate Professor*.

HENRY N. LEE JR., M.A. (Columbia), *Associate Professor Emeritus*.

PETER J. MCCARTHY, Ph.D. (Catholic University), *Associate Professor*.

CLAIRE M. NANIS, M.A. (Columbia), *Associate Professor*.

LARRY W. PETERSON, Ph.D. (North Carolina), *Associate Professor*.

MARIE H. ROBINSON, D.M. (Florida State), *Associate Professor*.

ROBERT J. STRECKFUSS, D.M.A. (Catholic University), *Associate Professor*.

CYNTHIA L. CARR, M.M. (Florida State), *Assistant Professor*.

JON A. CONRAD, Ph.D. (Indiana), *Assistant Professor*.

MARIE CHRISTINE DELBEAU, M.M. (North Texas State), *Assistant Professor*.

RUSSELL E. MURRAY, Ph.D. (North Texas), *Assistant Professor*.

EILEEN GRYCKY, M.M. (New England Conservatory), *Instructor, Applied Music*.

HARVEY J. PRICE, M.M. (Temple University), *Instructor, Applied Music*.

CHRISTIAAN TAGGART, B.M. (Philadelphia College of Performing Arts), *Instructor, Applied Music*.

MARK R. ALEXANDER, *Facilities Coordinator*.

ELAINE BRENCHLEY, M.A. (New York University), *Programs Coordinator*.

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

NICHOLAS EANET, B.S. (Juilliard), *Mendelssohn String Quartet*.

J. MICHAEL FOSTER, M.A. (Virginia), *Music Resources Supervisor*.

NICHOLAS D. MANN, M.M. (Juilliard), *Mendelssohn String Quartet*.

KATHERINE H. MURDOCK, M.M. (Yale), *Mendelssohn String Quartet*.

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

MARCY B. ROSEN, B.M. (Curtis), *Mendelssohn String Quartet*.

LLOYD C. SHORTER, B.F.A. (Ithaca), *Administrator, Music Programs; and Director, Saturday Morning Program*.

### Philosophy

FRANK B. DILLEY, Ph.D. (Columbia), *Professor and Chair*.

PAUL T. DURBIN, Ph.D. (Aquinas Institute of Philosophy), *Professor; also Professor, College of Urban Affairs and Public Policy and Director, Center for Science and Culture*.

HARRISON B. HALL, Ph.D. (Northwestern), *Professor*.

SANDRA G. HARDING, Ph.D. (New York University), *Professor; also Professor, Sociology*.

DAVID W. HASLETT, Ph.D. (Minnesota), *Professor*.

DAVID L. NORTON, Ph.D. (Boston University), *Professor*.

LUCIA M. PALMER, Ph.D. (Pisa), *Professor*.

CHRISTOPHER BOORSE, Ph.D. (Princeton), *Associate Professor*.

BILL E. LAWSON, Ph.D. (North Carolina), *Associate Professor*.

DOUGLAS F. STALKER, Ph.D. (North Carolina), *Associate Professor*.

ALAN D. FOX, Ph.D. (Temple), *Assistant Professor*.

ERIC HOFFMAN, Ph.D., J.D. (Pennsylvania), *Assistant Professor; also Executive Director, American Philosophical Association*.

JEFFREY J. JORDAN, Ph.D. (Purdue), *Assistant Professor*.

NANCY E. KENDRICK, Ph.D. (Illinois, Champaign-Urbana), *Assistant Professor*.

KATHERIN A. ROGERS, Ph.D. (Notre Dame), *Assistant Professor*.

PAUL TIDMAN, Ph.D. (Notre Dame), *Assistant Professor*.

### Joint and Adjunct Appointments

*Center for Science and Culture*: MARY B. WILLIAMS.

*Computer and Information Sciences*: CLAUDIO GUTIERREZ.

*Educational Studies*: CHARLES MARLER.

*University Honors Program*: ROBERT F. BROWN.

### Physical Therapy

STUART BINDER-MACLEOD, Ph.D. (Medical College of Virginia), *Associate Professor*.

JOSEPH A. LUCCA, Ph.D. (Delaware), *Associate Professor*.

PAUL F. METTLER, Ed.D. (Northeastern), *Associate Professor and Chair*.

JOHN SCHOLZ, Ph.D. (Connecticut), *Associate Professor*.

IRENE S. McCLAY, Ph.D. (Penn State), *Assistant Professor*.

LYNN SNYDER-MACKLER, Sc.D. (Boston University), *Assistant Professor; also Assistant Professor, School of Life and Health Sciences*.

STACIE COLLENDER, B.S. (Boston University), *Academic Coordinator of Clinical Education*.

KENNETH W. SEAMAN, M.A. (Delaware), *Academic Coordinator of Clinical Education*.

JOHN KNARR, M.S. (Delaware), *Director, Physical Therapy Clinic*.

### Physics and Astronomy

MAURICE V. BARNHILL III, Ph.D. (Stanford), *Professor and Associate Chair*.

CHARLES B. COOPER, Ph.D. (Maryland), *Professor Emeritus*.

WILLIAM B. DANIELS, Ph.D. (Case Western Reserve), *Unidel Professor*.

CHENG-MING FOU, Ph.D. (Pennsylvania), *Professor*.

HENRY R. GLYDE, D.Phil. (Oxford), *Professor*.  
 GEORGE HADJIPANAYIS, Ph.D. (Manitoba), *Professor*.  
 ARTHUR HALPRIN, Ph.D. (Pennsylvania), *Professor*.  
 ROBERT N. HILL, Ph.D. (Yale), *Professor; also Member, Applied Mathematics Institute*.  
 EDWARD H. KERNER, Ph.D. (Cornell), *Professor*.  
 JAMES B. MEHL, Ph.D. (Minnesota), *Professor and Chair*.  
 RICHARD B. MURRAY, Ph.D. (Tennessee), *Professor*.  
 DAVID G. ONN, Ph.D. (Duke), *Professor*.  
 KRZYSZTOF SZALEWICZ, Ph.D. (Warsaw), *Professor*.  
 MARK SHARNOFF, Ph.D. (Harvard), *Professor; also Member, Institute for Neuroscience*.  
 HARRY L. SHIPMAN, Ph.D. (California Institute of Technology), *Professor; also Director, Center for Teaching Effectiveness*.  
 S.B. WOO, Ph.D. (Washington), *Professor*.  
 EDWARD E. EYLER, Ph.D. (Harvard), *Associate Professor*.  
 RICHARD B. HERR, Ph.D. (Case Institute of Technology), *Associate Professor*.  
 JAMES MacDONALD, Ph.D. (Cambridge), *Associate Professor*.  
 JOHN H. MILLER III, Ph.D. (Princeton), *Associate Professor Emeritus*.  
 JOHN D. MORGAN, Ph.D. (California, Berkeley), *Associate Professor*.  
 KARL UNRUH, Ph.D. (Johns Hopkins), *Associate Professor*.  
 GEORGE H. WATSON, Ph.D. (Delaware), *Associate Professor*.  
 BARBARA A. WILLIAMS, Ph.D. (Maryland), *Associate Professor*.  
 CHUNG N. LEUNG, Ph.D. (Minnesota), *Assistant Professor*.  
 DAVID R. JOHNSON, M.S. (Delaware), *Undergraduate Laboratory Coordinator*.

#### **Joint and Adjunct Appointments**

*Adjunct Faculty*: REINHOLD BLUMEL, Ph.D.

#### **Bartol Research Institute**

SIU-TAT CHUI, Ph.D. (Princeton), *Professor*.  
 PAUL A. EVENSON, Ph.D. (Chicago), *Professor*.  
 THOMAS K. GAISSER, Ph.D. (Brown), *Professor*.  
 WILLIAM H. MATTHAEUS, Ph.D. (William and Mary), *Professor*.  
 DERMOTT J. MULLAN, Ph.D. (Maryland), *Professor*.  
 NORMAN F. NESS, Ph.D. (M.I.T.), *Professor and President*.  
 STUART PITTEL, Ph.D. (Minnesota), *Professor*.  
 MARTIN A. POMERANTZ, Ph.D. (Temple), *Professor and Director Emeritus*.  
 QAISAR SHAFI, Ph.D. (Imperial College), *Professor*.  
 CHARLES P. SWANN, Ph.D. (Temple), *Professor Emeritus*.  
 STEPHEN M. BARR, Ph.D. (Princeton), *Associate Professor*.  
 JOHN W. BIEBER, Ph.D. (Maryland), *Associate Professor*.  
 STANLEY P. OWOCKI, Ph.D. (Colorado), *Associate Professor*.  
 DAVID SECKEL, Ph.D. (Washington), *Associate Professor*.  
 TODOR STANEV, Ph.D. (Sofia), *Associate Professor*.  
 LUCIO PICCIRILLO, Ph.D. (Rome), *Assistant Professor*.  
 GARY ZANK, Ph.D. (Natal), *Assistant Professor*.

#### **Political Science and International Relations**

YAROSLAV BILINSKY, Ph.D. (Princeton), *Professor*.  
 WILLIAM W. BOYER JR., Ph.D. (Wisconsin), *Professor Emeritus*.  
 LESLIE F. GOLDSTEIN, Ph.D. (Cornell), *Professor*.  
 MARK W. HUDDLESTON, Ph.D. (Wisconsin), *Professor; also Professor, College of Urban Affairs*.  
 DAVID E. INGERSOLL, Ph.D. (Claremont), *Professor*.  
 JAMES MAGEE, Ph.D. (Virginia), *Professor*.  
 MARK J. MILLER, Ph.D. (Wisconsin), *Professor*.  
 JAMES K. OLIVER, Ph.D. (American), *Professor, also Professor, College of Marine Studies; also Director, International Relations Program*.

MARIAN L. PALLEY, Ph.D. (New York University), *Professor*.  
 JOSEPH A. PIKA, Ph.D. (Wisconsin), *Professor and Associate Chair*.  
 HENRY T. REYNOLDS, Ph.D. (North Carolina), *Professor, also Professor, College of Urban Affairs and Public Policy*.  
 DANIEL RICH, Ph.D. (M.I.T.), *Professor, also Dean, College of Urban Affairs and Public Policy*.  
 JAMES R. SOLES, Ph.D. (Virginia), *Distinguished Alumni Professor and Chair*.  
 RICHARD T. SYLVES, Ph.D. (Illinois), *Professor, also Professor, College of Marine Studies*.  
 YI-CHUN CHANG, Ph.D. (Northwestern), *Associate Professor*.  
 SUE DAVIS, Ph.D. (California, Santa Barbara), *Associate Professor*.  
 THEODORE J. DAVIS, Ph.D. (Florida State), *Associate Professor*.  
 JOHN T. DEINER, Ph.D. (Rutgers), *Associate Professor*.  
 ROBERT A. DENEMARK, Ph.D. (Minnesota), *Associate Professor*.  
 JANET B. JOHNSON, Ph.D. (Cornell), *Associate Professor; also Associate Professor, College of Urban Affairs and Public Policy*.  
 WILLIAM H. MEYER, Ph.D. (Iowa), *Associate Professor*.  
 JERROLD E. SCHNEIDER, Ph.D. (New York University), *Associate Professor*.  
 GETCHEN BAUER, Ph.D. (Wisconsin), *Assistant Professor*.  
 RICHARD KURT BURCH, Ph.D. (Minnesota), *Assistant Professor*.  
 DANIEL M. GREEN, Ph.D. (Indiana), *Assistant Professor*.  
 ZELMA MOSLEY, Ph.D. (Wisconsin, Milwaukee), *Assistant Professor*.

#### **Joint and Adjunct Appointments**

*Criminal Justice*: KENNETH HAAS.

*Economics*: KENNETH J. KOFORD.

*Educational Studies*: JAN BLITS.

*Marine Studies*: BILIANA CICIN-SAIN, ROBERT W. KNECHT, GERARD J. MANGONE.

*Urban Affairs and Public Policy*: DEBORAH AUGER, JEROME R. LEWIS, JEFFREY A. RAFFEL, PAUL SOLANO, ROBERT WARREN.

*University Honors Program*: KENNETH J. CAMPBELL.

#### **Psychology**

BRIAN P. ACKERMAN, Ph.D. (SUNY, Stony Brook), *Professor; also Professor, Linguistics*.  
 GEORGE A. CICALA, Ph.D. (Princeton), *Professor and Associate Chair*.  
 LAWRENCE H. COHEN, Ph.D. (Florida State), *Professor*.  
 ROBERT W. EISENBERGER, Ph.D. (California, Riverside), *Professor*.  
 SAMUEL L. GAERTNER, Ph.D. (City University of New York), *Professor*.  
 FRANCES K. GRAHAM, Ph.D. (Yale), *Professor Emerita*.  
 JAMES E. HOFFMAN, Ph.D. (Illinois), *Professor*.  
 CARROLL E. IZARD, Ph.D. (Syracuse), *Unidel Professor*.  
 JAMES M. JONES, Ph.D. (Yale), *Professor*.  
 FREDERICK A. MASTERSON, Ph.D. (Princeton), *Professor*.  
 EVELYN SATINOFF, Ph.D. (New York), *Professor and Chair*.  
 THOMAS R. SCOTT, Ph.D. (Duke), *Professor, also Associate Dean, College of Arts and Science*.  
 ROBERT F. SIMONS, Ph.D. (Wisconsin), *Professor*.  
 F. LOREN SMITH, Ph.D. (Johns Hopkins), *Professor Emeritus*.  
 MARVIN ZUCKERMAN, Ph.D. (New York University), *Professor*.  
 RITA Y. COHEN, Ph.D. (Florida State), *Associate Professor; also Director, Psychological Services*.  
 HELENE INTRAUB, Ph.D. (Brandeis), *Associate Professor*.  
 R. ROGERS KOBAK, Ph.D. (Virginia), *Associate Professor*.  
 D. MICHAEL KUHLMAN, Ph.D. (California, Santa Barbara), *Associate Professor*.  
 JOHN P. McLAUGHLIN, Ph.D. (New York University), *Associate Professor*.  
 DAVID P.M. NORTHMORE, Ph.D. (Sussex, England), *Associate Professor*.  
 L. CARLISLE SKEEN, Ph.D. (Florida State), *Associate Professor*.

MARIE B. CAULFIELD, Ph.D. (SUNY, Stony Brook), *Assistant Professor*.  
 MARY DOZIER, Ph.D. (Duke), *Assistant Professor*.  
 SUZANNE MANNES, Ph.D. (Colorado), *Assistant Professor*.  
 BARBARA S. IZARD, M.Mus. (Syracuse), *Instructor*.

### Joint and Adjunct Appointments

*Communication*: BETTY J. HASLETT.  
*Counseling and Student Development*: RICHARD S. SHARF.  
*Criminal Justice*: VALERIE P. HANS.  
*Educational Studies*: SYLVIA FARNHAM-DIGGORY, RALPH P. FERRETTI, ROBERTA GOLINKOFF, FRANK B. MURRAY.  
*School of Life and Health Sciences*: JEROME SIEGEL.  
*University Honors Program*: KENNETH A. CAMPBELL.

### Sociology and Criminal Justice

MARGARET ANDERSEN, Ph.D. (Massachusetts), *Professor, also Vice Provost for Academic Affairs, and Professor, Women's Studies*.  
 SALLY BOULD, Ph.D. (California, Berkeley), *Professor, also Professor, Individual and Family Studies*.  
 GORDON J. DiRENZO, Ph.D. (Notre Dame), *Professor*.  
 RUSSELL R. DYNES, Ph.D. (Ohio State), *Research Professor*.  
 M. DAVID ERMANN, Ph.D. (Michigan), *Professor*.  
 HELEN GOULDNER, Ph.D. (California), *Professor Emerita*.  
 VALERIE P. HANS, Ph.D. (Toronto), *Professor*.  
 HOWARD H. HARLAN, Ph.D. (Virginia), *Professor Emeritus*.  
 RUTH HOROWITZ, Ph.D. (Chicago), *Professor*.  
 JAMES A. INCIARDI, Ph.D. (New York University), *Professor; Director, Center for Drug and Alcohol Studies*.  
 CARL B. KLOCKARS, Ph.D. (Pennsylvania), *Professor*.  
 JOANNE M. NIGG, Ph.D. (California, Los Angeles), *Professor; also Director, Disaster Research Center*.  
 E.L. QUARANTELLI, Ph.D. (Chicago), *Research Professor*.  
 CYNTHIA ROBBINS, Ph.D. (Michigan), *Professor*.  
 ROBERT A. ROTHMAN, Ph.D. (Purdue), *Professor*.  
 FRANK R. SCARPITTI, Ph.D. (Ohio State), *Professor and Chair*.  
 GERALD M. TURKEL, Ph.D. (California, Santa Barbara), *Professor*.  
 JEFFREY L. DAVIDSON, Ph.D. (Michigan), *Associate Professor*.  
 WALLACE A. DYNES, Ph.D. (Washington), *Associate Professor*.  
 KENNETH J. ECKHARDT, Ph.D. (Wisconsin), *Associate Professor*.  
 KENNETH C. HAAS, Ph.D. (Rutgers), *Associate Professor and Associate Chair, Criminal Justice Program*.  
 JOHN K. KELLY, D.P.A. (New York University), *Associate Professor*.  
 VIVIAN L. KLAFF, Ph.D. (Wisconsin), *Associate Professor*.  
 ALLAN L. McCUTCHEON, Ph.D. (Chicago), *Associate Professor and Associate Chair*.  
 LEON E. PETTIWAY, Ph.D. (Wisconsin), *Associate Professor*.  
 KATHLEEN J. TIERNEY, Ph.D. (Ohio State), *Associate Professor; also Research Director, Disaster Research Center*.  
 ANNE BOWLER, Ph.D. (New School for Social Research), *Assistant Professor*.  
 DAVID B. GULICK, Ph.D. (Sam Houston State), *Assistant Professor*.  
 RAMIRO MARTINEZ, Ph.D. (Ohio State), *Assistant Professor*.  
 ERIC W. RISE, J.D., Ph.D. (Florida), *Assistant Professor*.  
 HECTOR COLON, B.B.A. (Catholic), *Research Specialist*.  
 SERGEY DOLINSKY, M.A. (Leningrad Polytechnic Institute), *Research Associate II*.  
 ERIC M. FLEURY, B.S. (Notre Dame), *Research Specialist*.  
 CHARLES E. FREEMAN, M.A. (Washington), *Research Associate II*.  
 EUNICE E. GOLDSMITH, M.Ed. (Antioch), *Research Associate II*.  
 ALICE M. GUETHLER, *Research Specialist*.  
 CHRISTINE HERMANN, M.A. (Florida), *Research Associate II*.  
 DOROTHY LOCKWOOD, Ph.D. (Delaware), *Associate Director*.

STEVEN S. MARTIN, M.A. (Michigan), *Associate Scientist*.  
 SUSAN J. NAYLOR, B.A. (West Chester), *Research Associate I*.  
 DRUETTA NICHOLS-JENNINGS, *Research Specialist/Phlebotomist*.  
 DAVID OPPOLD, B.A. (Thomas Edison), *Research Specialist*.  
 ANNE E. POTTIEGER, Ph.D. (Delaware), *Scientist*.  
 JUDITH A. QUINLAN, B.S. (Delaware), *Research Specialist*.  
 TRACY A. TLUMAC, B.A. (Delaware), *Research Specialist*.  
 PATRICIA A. TRESSELL, M.S. (Delaware), *Research Associate II*.

### Joint and Adjunct Appointments

*Black American Studies*: CAROLE C. MARKS.  
*Educational Studies*: JAMES H. CROUSE.  
*Philosophy*: SANDRA G. HARDING.  
*Urban Affairs and Public Policy*: ROBERT A. WILSON.  
*Adjunct Faculty*: RICHARD S. GEBELEIN, J.D.; • FREDERICK KIRCH, M.A.; • CHARLES M. OBERLY III, J.D.; • JOHN J. POLK, J.D.; • THOMAS J. QUINN, M.A.; • ANTHONY W. SALERNO, M.A.

### Theatre

RICHARD P. BROWN, Ph.D. (Tulane), *Professor*.  
 WILLIAM L. BROWNING, M.F.A. (Iowa), *Professor*.  
 CHARLES ROBERT KASE, Ph.D. (New York University), *Professor Emeritus*.  
 LESLIE REIDEL, M.F.A. (Temple), *Professor*.  
 SANFORD L. ROBBINS, M.F.A. (Carnegie-Mellon), *Professor and Chair*.  
 PETER T. VAGENAS, Ph.D. (Denver), *Professor*.  
 JEWEL H. WALKER, *Professor*.  
 ANDREA A. BARRIER, B.A. (Wisconsin), *Associate Professor*.  
 JOANNE E. BROWNING, M.F.A. (Southern Methodist), *Associate Professor and Associate Chair*.  
 JAMES H. CUNNINGHAM, M.A. (Toronto), *Associate Professor*.  
 RICK A. CUNNINGHAM, M.A. (Tulane), *Associate Professor*.  
 CATHERINE FITZMAURICE, M.A. (Michigan), *Associate Professor*.  
 ROBIN Lu PAYNE, M.F.A. (Temple), *Associate Professor*.  
 SUSAN R. SWEENEY, M.F.A. (Massachusetts), *Associate Professor*.  
 THOMAS WATSON, Ph.D. (Western Reserve), *Associate Professor Emeritus*.  
 EILEEN T. SMITHEIMER, B.A. (Purdue), *Assistant Professor*.  
 STEVE J. TAGUE, M.F.A. (Wisconsin), *Instructor*.  
 PETER W. BRAKHAGE, *Technical Director*.

### Joint and Adjunct Appointments

*English*: JAY L. HALIO.

## SCHOOL OF LIFE AND HEALTH SCIENCES

MILTON H. STETSON, Ph.D. (Washington), *Director and Professor, Physiology/Anatomy*.  
 GREGORY A. STEPHENS, Ph.D. (Kansas), *Associate Director and Associate Professor*.  
 SANDRA M. DEAN, M.S. (Delaware), *Executive Assistant*.

### Biology

ROBERT L. BOORD, Ph.D. (Maryland), *Professor Emeritus*.  
 L. LEON CAMPBELL, Ph.D. (Texas), *The Hugh M. Morris Research Professor of Molecular Biosciences*.  
 ARNOLD M. CLARK, Ph.D. (Pennsylvania), *Professor Emeritus*.  
 HOWARD V. CORNELL, Ph.D. (Cornell), *Professor*.  
 PATRICIA A. DeLEON, Ph.D. (Western Ontario), *Professor*.  
 DAVID W. FRANCIS, Ph.D. (Wisconsin), *Professor*.  
 ALLEN M. GRANDA, Ph.D. (Brown), *Professor*.

JAMES C. KAKAVAS, Ph.D. (Yale), *Professor Emeritus*  
 JEROME SIEGEL, Ph.D. (Ohio State), *Professor; also Professor, Psychology*  
 DANIEL T. SIMMONS, Ph.D. (Cal. Tech.), *Professor*  
 STEVEN D. SKOPIK, Ph.D. (Princeton), *Professor*  
 G. FRED SOMERS, Ph.D. (Cornell), *H. Fletcher Brown Professor Emeritus; also H. Fletcher Brown Professor Emeritus, College of Marine Studies*  
 FRANK E. SOUTH, Ph.D. (California, Berkeley), *Professor Emeritus*  
 MARENES R. TRIPP, Ph.D. (Rutgers), *Professor*  
 WALTER S. VINCENT, Ph.D. (Pennsylvania), *Professor Emeritus*  
 ROGER C. WAGNER, Ph.D. (Minnesota), *Professor*  
 ROBERT M. EISENBERG, Ph.D. (Michigan), *Associate Professor*  
 DIANE S. HERSON, Ph.D. (Rutgers), *Associate Professor*  
 ROBERT C. HODSON, Ph.D. (Cornell), *Associate Professor*  
 RONALD H. KARLSON, Ph.D. (Duke), *Associate Professor*  
 GARY H. LAVERTY, Ph.D. (Connecticut), *Associate Professor*  
 VICTOR A. LOTRICH, Ph.D. (Kentucky), *Associate Professor*  
 SHEELA MIERSON, Ph.D. (Michigan), *Associate Professor*  
 GEORGE R. MOLLOY, Ph.D. (V.P.I.), *Associate Professor*  
 JANE NOBLE-HARVEY, Ph.D. (California, San Francisco), *Associate Professor*  
 JACQUES J. PENE, Ph.D. (California, Los Angeles), *Associate Professor; also Associate Professor, Chemistry and Biochemistry*  
 CARLOS R. PLATA-SALAMAN, M.D. (Guadalajara, México), Ph.D. (Kyushu, Japan), *Associate Professor*  
 THOMAS S. RAY, Ph.D. (Harvard), *Associate Professor; also Associate Professor, Computer and Information Sciences*  
 DAVID E. SHEPPARD, Ph.D. (Johns Hopkins), *Associate Professor*  
 RIVERS SINGLETON JR., Ph.D. (Kansas), *Associate Professor; also Associate Professor, Center for Science and Culture and Associate Professor, English*  
 DAVID W. SMITH, Ph.D. (Wisconsin), *Associate Professor; also, Associate Professor, College of Marine Studies*  
 DAVID G. SPERRY, Ph.D. (Chicago), *Associate Professor*  
 MALCOLM H. TAYLOR, Ph.D. (Johns Hopkins), *Associate Professor; also Associate Professor, College of Marine Studies*  
 DAVID C. USHER, Ph.D. (Iowa), *Associate Professor*  
 DEBORAH E. ALLEN, Ph.D. (Delaware), *Assistant Professor*  
 WILLIAM J. CAIN, Ph.D. (Delaware), *Assistant Professor*  
 PATRICIA E. DeSOUSA, M.S. (East Stroudsburg), *Assistant Professor*  
 VERA A. KRISCHIK, Ph.D. (Maryland and Connecticut), *Assistant Professor*  
 JOHN McDONALD, Ph.D. (SUNY, Stony Brook), *Assistant Professor*  
 FLORENCE I. SCHMIEG, Ph.D. (Delaware), *Assistant Professor*  
 PATRICIA WALSH, Ph.D. (Minnesota), *Assistant Professor*  
 DIANE M. BARBIERI, M.S. (Seton Hall), *Instructor*  
 LINDA K. DION, M.S. (Cornell), *Instructor*

#### **Joint and Adjunct Appointments**

*Animal Science and Agricultural Biochemistry*: ROBIN W. MORGAN.  
*Marine Studies*: FRANKLIN C. DAIBER.  
*Physical Therapy*: LYNN SNYDER-MACKLER.  
*University Parallel Program*: LAWRENCE A. CURTIS.

#### **Medical Technology**

ANNA P. CIULLA, M.C.C. (Hahnemann), *Associate Professor; Director, Medical Technology Program*  
 WILLIAM E. BECKMAN, Ph.D. (Massachusetts), *Assistant Professor*  
 DONALD C. LEHMAN, M.Sc. (Wright State), *Assistant Professor*  
 RAELENE E. MASER, Ph.D. (Pittsburgh), *Assistant Professor*  
 DIANE WILSON, Ph.D. (Mississippi State), *Assistant Professor*

CATHERINE M. SALERNO, M.S. (Lowell), *Education Coordinator*  
 KAREN R. COLE, B.S. (Delaware), *Laboratory Coordinator*  
 ELYSE E. FORAKER, B.S. (Millersville), *Laboratory Coordinator*  
 MARCELLA MAHAL GRODZKI, B.S. (St. Francis), *Laboratory Coordinator*  
 ROBERT KNOWLES, M.D., Ph.D. (Western Reserve), *Medical Director*

### **OTHER PROGRAMS IN THE COLLEGE OF ARTS AND SCIENCE**

#### **Women's Studies**

SUZANNE J. CHERRIN, Ph.D. (Delaware), *Assistant Professor*  
 KATHERINE S. CONWAY-TURNER, Ph.D. (Kansas), *Director; also Associate Professor, Individual and Family Studies*  
 KATHLEEN D. TURKEL, Ph.D. (Delaware), *Assistant Professor*  
 JESSICA R. SCHIFFMAN, M.A. (Delaware), *Program Coordinator*

#### **Joint and Adjunct Appointments**

*Anthropology*: KAREN ROSENBERG.  
*Center for Science and Culture*: MARY WILLIAMS.  
*Communication*: BETTY HASLETT.  
*Criminal Justice*: VALERIE HANS.  
*Educational Development*: NANCY BRICKHOUSE.  
*Educational Studies*: ROBERT TAGGART.  
*English*: ANN ARDIS, BARBARA GATES, ALVINA QUINTANA, BONNIE SCOTT, JEANNE WALKER.  
*Foreign Languages and Literatures*: JOAN BROWN, MARY DONALDSON-EVANS, MONICA SHAFI.  
*History*: GUY ALCHON, ANNE BOYLAN, CAROL HOFFECKER.  
*Individual and Family Studies*: MARY LOU LIPRIE, BARBARA SETTLES.  
*Philosophy*: SANDRA HARDING, NANCY KENDRICK.  
*Physical Education*: BARBARA KELLY, BARBARA VIERA.  
*Political Science and International Relations*: LESLIE GOLDSTEIN, MARION PALLEY.  
*Sociology*: MARGARET ANDERSEN, SALLY BOULD, ANNE BOWLER, GERRY TURKEL.  
*University Honors Program*: JEAN PFAELZER.

#### **Museum Studies**

BRYANT F. TOLLES JR., Ph.D. (Boston University), *Director; also Associate Professor, History and Associate Professor, Art History*  
 EDWARD P. ALEXANDER, Ph.D. (Columbia), *Professor Emeritus*  
 J. RITCHIE GARRISON, Ph.D. (Pennsylvania), *Associate Director; also Associate Professor, History and Winterthur Program in Early American Culture*

#### **University Gallery**

BELENA S. CHAPP, M.A. (Purdue), *Director, University Gallery*  
 JANET R. LOPEZ, M.A. (Delaware), *Assistant Curator*

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

DAVID F. ALLMENDINGER JR., Ph.D. (Wisconsin), *Professor, History*  
 GEORGE BASALLA, Ph.D. (Harvard), *Professor, History*  
 E. WAYNE CRAVEN, Ph.D. (Columbia), *H. F. du Pont Professor of Art History*  
 JAMES C. CURTIS, Ph.D. (Northwestern), *Professor, History*  
 CAROL E. HOFFECKER, Ph.D. (Harvard), *Richards Professor of History; also Associate Provost for Graduate Studies*  
 WILLIAM I. HOMER, Ph.D. (Harvard), *H. Rodney Sharp Professor, Art History*

J.A. LEO LeMAY, Ph.D. (Pennsylvania), *Winterthur Professor, English*.  
 DONALD C. MELL, Ph.D. (Pennsylvania), *Professor, English*.  
 DAMIE STILLMAN, Ph.D. (Columbia), *J.W. Shirley Professor of Art History*.  
 ANNE BOYLAN, *Associate Professor, History*.  
 J. RITCHIE GARRISON, Ph.D. (Pennsylvania), *Associate Director, Museum Studies Program; also Associate Professor, History*.  
 CHRISTINE HEYRMAN, *Associate Professor, History; also Associate Professor, Hagley Program*.  
 CHARLES F. HUMMEL JR., M.A. (Delaware), *Adjunct Associate Professor*.  
 CATHY MATSON, *Associate Professor, History; also Director, Hagley Program*.  
 BRYANT F. TOLLES JR. Ph.D. (Boston University), *Director, Museum Studies Program; also Associate Professor, History and Associate Professor, Art History*.  
 LU ANN DE CUNZO, Ph.D. (Pennsylvania), *Assistant Professor, Anthropology*.  
 BERNARD L. HERMAN, Ph.D. (Pennsylvania), *Associate Professor, Art History; also Associate Director, Center for Historic Architecture and Engineering, College of Urban Affairs and Public Policy*.

#### Joint and Adjunct Appointments

*Adjunct Faculty:* PAULINE EVERSMAAN, M.Phil.; • DONALD L. FENNIMORE, M.A.; • E. McSHERRY FOWBLE, M.A.; • CHARLES F. HUMMEL JR., M.A.; • CATHERINE E. HUTCHINS, M.A.; • BROCK JOBE, M.A.; • AMANDA LANGE, M.A.; • GARY KULIK, Ph.D.; • ROBERT TRENT, M.A.

#### Center for Science and Culture

PAUL T. DURBIN, Ph.D. (Aquinas Institute of Philosophy), *Professor and Coordinator, Medical Scholars Program; also Professor, Philosophy and College of Urban Affairs*.  
 M. DAVID ERMANN, Ph.D. (Michigan), *Professor; also Professor, Sociology*.  
 RUSSEL C. JONES, Ph.D. (Carnegie Mellon), *University Research Professor, Civil Engineering*.  
 CHARLES M. LESLIE, Ph.D. (Chicago), *Professor Emeritus of Anthropology and the Humanities*.  
 EDWARD M. LURIE, Ph.D. (Northwestern), *Professor; also Professor, History*.  
 RONALD E. MARTIN, Ph.D. (Boston University), *Professor; also Professor, English*.  
 RIVERS SINGLETON JR. Ph.D. (Kansas), *Associate Professor; also Associate Professor, School of Life and Health Sciences; also Associate Professor, English*.  
 MARY B. WILLIAMS, Ph.D. (University of London), *Associate Professor; also Associate Professor, Philosophy*.

#### Joint and Adjunct Appointments

*Adjunct Faculty:* MILIC CAPEK, Ph.D.; • JOHN D. ENGEL, Ph.D.

#### American Philosophical Association

ERIC HOFFMAN, Ph.D. (Pennsylvania), *Executive Director; also Assistant Professor, Philosophy*.  
 JANET SAMPLE, *Membership Coordinator/Bookkeeper*.  
 WANDA TAYLOR, *Administrative Assistant*.  
 DIANA J. WALLS, *Publications Manager*.

#### COLLEGE OF BUSINESS AND ECONOMICS

KENNETH BIEDERMAN, Ph.D. (Purdue), *Dean and Professor, Finance*.  
 JAMES BUTKIEWICZ, Ph.D. (Virginia), *Associate Dean and Associate Professor, Economics*.  
 JACKSON F. GILLESPIE, Ph.D. (V.P.I.), C.M.A., *Associate Dean and Associate Professor, Accounting*.

LINDA S. DUNN, Ed.D. (Delaware), *Assistant Dean*.  
 TERRY M. WHITTAKER, M.A. (Minnesota), *Assistant Dean, Student Special Services*.  
 JOYCE L. HART, M.Ed. (Pittsburgh), *Assistant to the Dean*.

#### Accounting

E. KENT ST. PIERRE, Ph.D. (Washington), C.P.A., *Professor and Chair*.  
 DALE BUCKMASTER, Ph.D. (Penn State), C.P.A., *Professor*.  
 ARAYA DEBESSAY, Ph.D. (Syracuse), C.P.A., C.M.A., C.I.A., *Professor*.  
 PAUL HOOPER, Ph.D. (Tulane), *Professor and Director of MS Program*.  
 WILLIAM MARKELL, Ed.D. (Columbia), C.P.A., *Professor Emeritus*.  
 LESTER W. CHADWICK, Ph.D. (Syracuse), C.P.A., *Associate Professor*.  
 JACKSON F. GILLESPIE, Ph.D. (V.P.I.), C.M.A., *Associate Professor; also Associate Dean*.  
 ROBERT L. PARETTA, Ph.D. (Syracuse), C.P.A., *Associate Professor*.  
 JANIS R. REEDER, Ph.D. (South Carolina), C.P.A., *Associate Professor*.  
 FREDERIC M. STINER JR., Ph.D. (Nebraska), C.P.A., *Associate Professor*.  
 CLINTON E. WHITE JR., D.B.A. (Indiana), C.P.A., *Associate Professor*.  
 JOHN H. WRAGGE, Ph.D. (Houston), C.P.A., *Associate Professor*.  
 MARYANNE ATKINSON, Ph.D. (Drexel), *Assistant Professor*.  
 SCOTT K. JONES, Ph.D. (Drexel), *Assistant Professor*.  
 GREGORY KANE, Ph.D. (V.P.I.), C.P.A., *Assistant Professor*.  
 NEAL A. PHILLIPS, J.D. (Villanova), LL.M. (Temple), *Assistant Professor*.  
 JOSEPH A. BRADY, M.B.A. (Drexel), *Instructor*.  
 THOMAS W. CHARLES, M.B.A. (Dartmouth), C.P.A., *Instructor*.  
 JOHN H. GIL, M.B.A. (Delaware), C.P.A., C.M.A., *Instructor*.  
 MICHAEL G. VAN LEER, M.B.A. (Drexel), C.P.A., *Instructor*.  
 DAVID O. EDWARDS, Ph.D. (Wisconsin), *Lecturer*.  
 RITA M. KINGERY, M.S., (California State), C.P.A., *Lecturer*.  
 ELLEN F. MONK, M.B.A., (Delaware), *Lecturer*.

#### Business Administration

S. ALEXANDER BILLON, Ph.D. (Michigan State), *Professor, Management*.  
 ALBERT H. DUNN III, D.C.S. (Harvard), *Professor Emeritus, Marketing*.  
 HOWARD GARLAND, Ph.D. (Cornell), *Professor and Chair*.  
 WILLIAM V. GEHRLEIN, Ph.D. (Penn State), *Professor, Operations Management*.  
 JAMES R. KRUM, D.B.A. (Michigan State), *Professor, Marketing*.  
 ERWIN M. SANIGA, Ph.D. (Penn State), *Professor and Head of Operations Management Faculty*.  
 BLAINE G. SCHMIDT, Ph.D. (St. Louis), *Professor Emeritus, Marketing*.  
 ARTHUR A. SLOANE, D.B.A. (Harvard), *Professor, Management*.  
 JOHN H. ANTIL, Ph.D. (Penn State), *Associate Professor and Head of Marketing Management Faculty*.  
 PAMELA C. BROWN, Ph.D. (Stanford), *Associate Professor, Operations Management*.  
 DONALD E. CONLON, Ph.D. (Illinois), *Associate Professor, Management*.  
 DIANE L. FERRY, Ph.D. (Pennsylvania), *Associate Professor, Management*.  
 MERYL P. GARDNER, Ph.D. (Carnegie-Mellon), *Associate Professor, Marketing*.  
 MARY C. KERNAN, Ph.D. (Akron), *Associate Professor and Head of Management Faculty*.  
 JOHN L. KMETZ, D.B.A. (Maryland), *Associate Professor, Management*.  
 CHRISTINE T. KYDD, Ph.D. (Pennsylvania), *Associate Professor, Operations Management*.  
 AJAY K. MANRAI, Ph.D. (Northwestern), *Associate Professor, Marketing*.  
 LALITA A. MANRAI, Ph.D. (Northwestern), *Associate Professor, Marketing*.  
 MICHAEL F. POHLEN, Ph.D. (Ohio State), *Associate Professor, Operations Management*.  
 JOHN F. PREBLE, Ph.D. (Massachusetts), *Associate Professor, Management*.

RICHARD M. WEISS, Ph.D. (Cornell), *Associate Professor, Management*.  
 RICK L. ANDREWS, Ph.D. (V.P.I.), *Assistant Professor, Marketing*.  
 V. CARTER BROACH, Ph.D. (Michigan State), *Assistant Professor, Marketing*.

RAMARAO DESIRAJU, Ph.D. (Florida), *Assistant Professor, Marketing*.  
 C. GOPINATH, Ph.D. (Massachusetts), *Assistant Professor, Management*.  
 ROBERT J. KENT, Ph.D. (Cincinnati), *Assistant Professor, Marketing*.  
 PAI-CHUN MA, Ph.D. (SUNY, Buffalo), *Assistant Professor, Operations Management*.

NOEL M. MURRAY, Ph.D. (Penn State), *Assistant Professor, Marketing*.  
 JOHN E. SAWYER, Ph.D. (Illinois), *Assistant Professor, Management*.  
 DANIEL P. SULLIVAN, Ph.D. (South Carolina), *Assistant Professor, Management*.

ALEXANDER L. BROWN, M.B.A. (Delaware), *Instructor, Marketing*.  
 SANDRA M. FIELDS, M.B.A. (Radford), *Instructor, Marketing*.  
 ROBERT R. ROHS, M.S. (Drexel), *Instructor, Management*.

#### **Joint and Adjunct Appointments**

*Philosophy*: DAVID W. HASLETT.

#### **Economics**

BURTON A. ABRAMS, Ph.D. (Ohio State), *Professor*.  
 JAMES L. BUTKIEWICZ, Ph.D. (Virginia), *Professor and Associate Dean*.  
 FARLEY GRUBB, Ph.D. (Chicago), *Professor*.  
 SAUL D. HOFFMAN, Ph.D. (Michigan), *Professor*.  
 HARRY D. HUTCHINSON, Ph.D. (Michigan), *Professor Emeritus*.  
 KENNETH J. KOFORD, Ph.D. (California, Los Angeles), *Professor; also Professor, Political Science*.

CHARLES N. LANIER, Ph.D. (Vanderbilt), *Professor Emeritus*.  
 BERTRAM LEVIN, Ph.D. (Wisconsin), *Professor Emeritus*.  
 KENNETH A. LEWIS, Ph.D. (Princeton), *Professor and Associate Chair*.  
 CHARLES R. LINK, Ph.D. (Wisconsin), *Professor*.  
 JEFFREY B. MILLER, Ph.D. (Pennsylvania), *Professor*.  
 JAMES MULLIGAN, Ph.D. (Minnesota), *Professor*.  
 JAMES B. O'NEILL, Ph.D. (Purdue), *Professor; Director, Center for Economic Education*.

LAURENCE S. SEIDMAN, Ph.D. (California, Berkeley), *Professor*.  
 RUSSELL F. SETTLE, Ph.D. (Wisconsin), *Professor*.  
 RICHARD J. AGNELLO, Ph.D. (Johns Hopkins), *Associate Professor, also Associate Professor, College of Marine Studies*.  
 DAVID E. BLACK, Ph.D. (M.I.T.), *Associate Professor*.  
 ELEANOR D. CRAIG, M.A. (Pennsylvania), *Associate Professor and Associate Chair*.

LAWRENCE P. DONNELLEY, Ph.D. (Brown), *Associate Professor; also Associate Provost for International Programs and Special Sessions*.  
 EVANGELOS M. FALARIS, Ph.D. (Minnesota), *Associate Professor*.  
 WILLIAM R. LATHAM III, Ph.D. (Illinois), *Associate Professor and Chair*.  
 JAMES R. THORNTON, Ph.D. (Cornell), *Associate Professor*.  
 JOHN S. YING, Ph.D. (California, Berkeley), *Associate Professor*.  
 MICHAEL A. ARNOLD, Ph.D. (California, Los Angeles), *Assistant Professor*.  
 STACIE BECK, Ph.D. (Pennsylvania), *Assistant Professor*.  
 JOSEPH I. DANIEL, Ph.D. (Minnesota), *Assistant Professor*.  
 SRIDHAR IYER, Ph.D. (Washington), *Assistant Professor*.  
 JANET S. NETZ, Ph.D. (Michigan), *Assistant Professor*.  
 PAMELA SMITH, Ph.D. (Wisconsin), *Assistant Professor*.  
 JOHN STAPLEFORD, Ph.D. (Delaware), *Lecturer; also Director, Bureau of Economics Research*.

#### **Joint and Adjunct Appointments**

*Business Administration*: PAMELA C. BROWN, WILLIAM V. GEHRLEIN.  
*Finance*: ROBERT L. SCHWEITZER.

*Marine Studies*: LEE G. ANDERSON, GEORGE R. PARSONS.  
*Urban Affairs and Public Policy*: FRANCIS X. TANNIAN.

#### **Center for Economic Education**

JAMES B. O'NEILL, Ph.D. (Purdue), *Director; Professor, Economics*.  
 BONNIE J. MESZAROS, Ph.D. (Delaware), *Associate Director*.

#### **Finance**

KENNETH BIEDERMAN, Ph.D. (Purdue), *Professor; also Dean, College of Business and Economics*.  
 DONALD J. PUGLISI, D.B.A. (Indiana), *MBNA America Business Professor*.  
 ROBERT L. SCHWEITZER, Ph.D. (Duke), *Chair and Professor*.  
 GORDON R. BONNER, Ph.D. (Syracuse), *Associate Professor*.  
 RUDOLPH E. D'SOUZA, Ph.D. (South Carolina), *Associate Professor*.  
 M. ANDREW FIELDS, Ph.D. (V.P.I.), *Associate Professor*.  
 INSUP LEE, Ph.D. (Houston), *Associate Professor*.  
 RAJKUMAR D. VARMA, Ph.D. (Penn State), *Associate Professor*.  
 BRECK L. ROBINSON, M.B.A. (Tennessee), *Assistant Professor*.  
 JANET M. TODD, Ph.D. (Michigan State), *Assistant Professor*.  
 TIMOTHY E. DETWILER, M.B.A. (Western Illinois), *Instructor*.

#### **COLLEGE OF EDUCATION**

FRANK B. MURRAY, Ph.D. (Johns Hopkins), *H. Rodney Sharp Professor, Educational Studies and Psychology, and Dean*.  
 ELAINE STOTKO, Ph.D. (Delaware), *Assistant Dean*.

#### **Educational Development**

JOANNE M. GOLDEN, Ph.D. (Ohio State), *Professor, Language Arts; and Coordinator, Ph.D. Program in Curriculum and Instruction*.  
 JAMES HIEBERT, Ph.D. (Wisconsin), *Professor, Mathematics Education*.  
 FRED HOFSTETTER, Ph.D. (Ohio State), *Professor; also Associate Provost/Director, Instructional Technology; also Professor, Music and Professor, Educational Studies*.  
 WILLIAM B. MOODY, Ed.D. (Maryland), *Professor; also Professor, Mathematical Sciences*.  
 JOHN J. PIKULSKI, Ph.D. (Temple), *Professor, Reading*.  
 WILLIAM B. STANLEY, Ed.D. (Rutgers), *Chair; also Professor, Social Studies and Curriculum Theory*.  
 NANCY W. BRICKHOUSE, Ph.D. (Purdue), *Associate Professor, Science Education*.  
 ROBERT HAMPEL, Ph.D. (Cornell), *Associate Professor, Educational Leadership and Policy and Coordinator, Ed.D. Program in Educational Leadership*.  
 DEBORAH A. HICKS, Ed.D. (Harvard), *Associate Professor, Language Arts*.  
 ANNE A. McCOURT-LEWIS, Ph.D. (Syracuse), *Associate Professor, Reading*.  
 CAROL J. VUKELICH, Ph.D. (Southern Illinois), *Associate Professor; also Associate Professor, Individual and Family Studies, and Coordinator, Master of Instruction Program*.  
 DIANA WEARNE, Ph.D. (Wisconsin), *Associate Professor, Mathematics Education*.  
 JAMES A. WHITSON, Ph.D. (Rochester), *Associate Professor, Social Studies*.  
 DOUGLAS A. ARCHBALD, Ph.D. (Wisconsin), *Assistant Professor, Educational Leadership*.  
 BARBARA K. CURRY, Ed.D. (Harvard), *Assistant Professor, Educational Leadership*.  
 ZOUBEIDA R. DAGHER, Ph.D. (Iowa), *Assistant Professor, Science Education*.  
 NEIL O. HOUSER, Ph.D. (Washington State), *Assistant Professor, Social Studies*.

PAULA A. KLEINE-KRACHT, Ph.D. (Chicago), Assistant Professor, Educational Leadership.  
 MARY F. ROE, Ph.D. (Illinois), Assistant Professor, Language Arts/Reading.  
 ELIZABETH WIER, Ph.D. (Delaware), Assistant Professor, Science Education.  
 LINDA WILSON, Ph.D. (Wisconsin), Assistant Professor, Mathematics.

### Joint and Adjunct Appointments

Center for Counseling and Student Development: AMY ALFRED, CHARLES L. BEALE, JOHN B. BISHOP, KIMBERLY EWING, JANICE M. JORDAN, JONATHAN D. LEWIS, LESLIE K. ORYSH, RICHARD S. SHARF, E. NAUDAIN SIMONS III.  
 Career Planning and Placement: EDGAR J. TOWNSEND.  
 Continuing Education: JAMES BROOMALL, RICHARD B. FISCHER.  
 Dean of Students Office: TIMOTHY F. BROOKS.  
 Institutional Research and Planning: KAREN BAUER, MICHAEL F. MIDDLEDAUGH, DALE TRUSHEIM.  
 Counselor Education Center: STUART J. SHARKEY.  
 Urban Affairs and Public Policy: JEFFREY RAFFEL.

### Educational Studies

JAN H. BLITS, Ph.D. (New School for Social Research), Professor; also Professor, Political Science.  
 JAMES H. CROUSE, Ph.D. (Northwestern), Professor; also Professor, Sociology.  
 SYLVIA FARNHAM-DIGGORY, Ph.D. (Pennsylvania), Professor Emerita.  
 ROBERTA M. GOLINKOFF, Ph.D. (Cornell), Professor; also Professor, Psychology and Professor, Linguistics.  
 LINDA S. GOTTFREDSON, Ph.D. (Johns Hopkins), Professor.  
 FRANK B. MURRAY, Ph.D. (Johns Hopkins), H. Rodney Sharp Professor and Dean; also H. Rodney Sharp Professor of Psychology.  
 DANIEL C. NEALE, Ph.D. (Minnesota), Professor.  
 JAMES RATHS, Ph.D. (New York University), Professor and Chair; also Professor, Educational Research, Evaluation and Statistics.  
 RICHARD J. VENEZKY, Ph.D. (Stanford), Unidel Professor; also Unidel Professor, Computer and Information Sciences, and Linguistics.  
 GEORGE G. BEAR, Ph.D. (Virginia), Associate Professor.  
 ALBERT R. CAVALIER, Ph.D. (Alabama), Associate Professor.  
 RALPH P. FERRETTI, Ph.D. (Alabama), Associate Professor; also Associate Professor, Psychology.  
 JOSEPH J. GLUTTING, Ph.D. (Pennsylvania), Associate Professor.  
 GABRIELLA HERMON, Ph.D. (Illinois), Associate Professor; also Associate Professor, Linguistics.  
 JAANA JUVONEN, Ph.D. (California, Los Angeles), Associate Professor.  
 DAVID W. KAPLAN, Ph.D. (California, Los Angeles), Associate Professor.  
 PAUL G. LeMAHIEU, Ph.D. (Pittsburgh), Associate Professor; also Director, Delaware Education Research and Development Center.  
 CHARLES D. MARLER, Ph.D. (Stanford), Associate Professor; also Associate Professor, Philosophy.  
 VICTOR R. MARTUZA, Ph.D. (Maryland), Associate Professor; also Director, Center for Intercultural Teacher Education.  
 LUDWIG MOSBERG, Ph.D. (California, Los Angeles), Associate Professor.  
 RATNA NANDAKUMAR, Ph.D. (Illinois), Associate Professor.  
 CYNTHIA M. OKOLO, Ph.D. (Indiana), Associate Professor.  
 ROBERT J. TAGGART, Ph.D. (Michigan), Associate Professor.  
 RONALD J. VUKELICH, Ph.D. (Southern Illinois), Associate Professor.  
 JAMES E. DAVIS, Ph.D. (Cornell), Assistant Professor.  
 LINDA A. HUGHES, Ph.D. (Pennsylvania), Visiting Assistant Professor.  
 CHARLES A. MacARTHUR, Ph.D. (American), Assistant Professor.  
 KATHLEEN M. MINKE, Ph.D. (Indiana), Assistant Professor.  
 HARLEEN VICKERS, Ph.D. (Delaware), Assistant Professor.  
 SYLVIA J. BROOKS, M.A. (Cheyney), Coordinator, Clinical Experience.

WARREN KENT ELLIS, M.Ed. (Washington), Visiting Lecturer.  
 ELIZABETH F. PEMBERTON, Ph.D. (Penn State), Visiting Lecturer.

### Joint and Adjunct Appointments

Center for Science and Culture: JOHN D. ENGEL.  
 Educational Development: JAMES HIEBERT, FRED T. HOFSTETTER.  
 Music: FRED T. HOFSTETTER.  
 Adjunct Faculty: IRWIN KIRSCH, Ph.D.; • BETH MINEO, Ph.D.

### Center for Assistive and Instructional Technology

ALBERT R. CAVALIER, Ph.D. (Alabama), Director and Associate Professor, Educational Studies.

### Center for Intercultural Teacher Education

VICTOR R. MARTUZA, Ph.D. (Maryland), Director and Associate Professor, Educational Studies.

### Clinical Studies

ANGELA B. CASE, M.S. (Pennsylvania), Director.  
 MARGUERITE MILLER DiFULVIO, M.S. (SUNY, Binghamton), Coordinator.

### Delaware Education Research and Development Center

PAUL G. LeMAHIEU, Ph.D. (Pittsburgh), Director and Associate Professor, Educational Studies.

### Education Resource Center

BETH G. ANDERSON, M.S. (Drexel), Director.  
 ALLISON G. KAPLAN, M.L.S. (California, Los Angeles), Cataloger.

### Field-Based Experiences

JEANNE L. BENIN, M.S. (Delaware), Coordinator.  
 SHERRON A. FAIR, B.A. (Rhode Island), Coordinator.

### Instructional Technology Center

FRED T. HOFSTETTER, Ph.D. (Ohio State), Director and Associate Provost; also Professor, Educational Development; Professor, Educational Studies; and Professor, Music.  
 STEVEN V. BERTSCHE, M.M. (North Texas State), Senior Applications Programmer Analyst.  
 CHRISTINE M. BROOKS, B.S. (Bloomsburg), Senior Software Development Analyst.  
 MORRIS W. BROOKS, Ph.D. (Harvard), Multimedia Specialist.  
 GARY A. FEURER, B.A. (Boston), Applications Programmer Analyst.  
 MICHAEL F. MORGAN, B.M. (Delaware), Senior Technical Writer.  
 GEORGE W. MULFORD, Ph.D. (Stanford), Multimedia Specialist.  
 PATRICIA H. SINE, M.Ed. (Delaware), Manager.  
 KATHRYN M. THOMAS, Ed.D. (Delaware), Coordinator.

### Office of Inservice Education

CAROL J. VUKELICH, Ph.D. (Southern Illinois), Director; also Associate Professor, Educational Development and Individual and Family Studies.  
 GWENETH B. BROWN, Ed.D. (Virginia), Parent Education.

### Reading Study Center

PATRICIA MOELLER, B.S. (East Texas State), Coordinator.  
 RITA SIMON, B.F.A. (Carnegie-Mellon), B.A. (Delaware), Coordinator.

### Student Services for Teacher Education

BARBARA G. VAN DORNICK, M.S. Ed. (Western Illinois), *Director*.  
 GAIL RYS, M.C. (Delaware), *Assistant Director; also Director, ASPIRE*.  
 JAMES SHAW, M.S. (Antioch), *Minority Recruitment Coordinator, ASPIRE*.

### The College School

CYNTHIA OKOLO, Ph.D. (Indiana), *Faculty Director and Associate Professor, Educational Studies*.  
 GORDON MICKEY, Ed.D. (Indiana), *Lead Teacher*.

### Thurgood Marshall Professional Development School

ELIZABETH A. WIER, Ph.D. (Delaware), *Coordinator; also Assistant Professor, Educational Development*.

## COLLEGE OF ENGINEERING

STUART L. COOPER, Ph.D. (Princeton), *Dean and H. Rodney Sharp Professor of Chemical Engineering and Chemistry/Biochemistry*.  
 DAN L. BOULET JR., M.S. (Air Force Institute of Technology), *Assistant Dean*.  
 ROBERT W. SAMPLE, M.S.B.A. (Rochester), *Assistant Dean, Engineering Outreach*.  
 MICHAEL L. VAUGHAN, M.S. (North Carolina A&T), *Assistant Dean and Director of the RISE Program*.  
 HEATHER EARLY, *Assistant to the Dean*.  
 BENSON H. COOK, B.A. (Delaware), *Coordinator of Special Projects*.  
 KATHLEEN C. WERRELL, B.S. (Muhlenberg), *Associate Director, Engineering Outreach*.  
 KARL W. BÖER, Ph.D. (Humboldt), *Professor of Engineering and Physics*.

### Air Force ROTC

JOHN L. CIRAFICI, M.A. (CUNY), *Lieutenant Colonel, United States Air Force; Professor and Chair*.  
 JAMES K. GULDNER, M.A. (Central Michigan), *Captain, United States Air Force; Assistant Professor*.  
 ALEXANDER A. ALLER, M.A. (Webster), *Captain, United States Air Force; Assistant Professor*.

### Chemical Engineering

OLAF P. BERGELIN, Sc.D. (Michigan), *Professor Emeritus*.  
 GIOVANNI ASTARITA, Ph.D. (Naples), *Visiting Professor*.  
 MARK A. BARTEAU, Ph.D. (Stanford), *Professor; also Professor, Chemistry and Biochemistry*.  
 ANTONY N. BERIS, Ph.D. (M.I.T.), *Professor*.  
 KENNETH B. BISCHOFF, Ph.D. (Illinois Institute of Technology), *Unidel Professor of Biomedical Engineering*.  
 STUART L. COOPER, Ph.D. (Princeton), *H. Rodney Sharp Professor; also Dean, College of Engineering and H. Rodney Sharp Professor, Chemistry and Biochemistry*.  
 COSTEL D. DENSON, Ph.D. (Utah), *Professor; also Interim Vice Provost for Research*.  
 PRASAD DHURJATI, Ph.D. (Purdue), *Professor*.  
 ERIC W. KALER, Ph.D. (Minnesota), *Professor*.  
 MICHAEL T. KLEIN, Sc.D. (M.I.T.), *Professor and Chair*.  
 ROY L. McCULLOUGH, Ph.D. (New Mexico), *Professor; also Director, Center for Composite Materials*.  
 ARTHUR B. METZNER, Sc.D. (M.I.T.), *H. Fletcher Brown Professor, Emeritus*.  
 JON H. OLSON, D.Eng. (Yale), *Professor*.  
 MICHAEL E. PAULAITIS, Ph.D. (Illinois), *Professor*.

T. W. FRASER RUSSELL, Ph.D. (Delaware), *Allan P. Colburn Professor; also Director, Institute of Energy Conversion*.  
 STANLEY I. SANDLER, Ph.D. (Minnesota), *Henry Belin du Pont Professor; also Director, Center for Molecular and Engineering Thermodynamics*.  
 JEROLD M. SCHULTZ, Ph.D. (Carnegie Institute of Technology), *C. Ernest Birchenall Professor of Chemical Engineering; also Professor, Materials Science*.  
 DOUGLAS J. BUTTREY, Ph.D. (Purdue), *Associate Professor*.  
 HENRY C. FOLEY, Ph.D. (Penn State), *Associate Professor; also Associate Professor, Chemistry and Biochemistry, and Director, Center for Catalytic Science and Technology*.  
 ABRAHAM M. LENHOFF, Ph.D. (Wisconsin), *Associate Professor*.  
 ANNETTE D. SHINE, Ph.D. (M.I.T.), *Associate Professor*.  
 ANDREW L. ZYDNEY, Ph.D. (M.I.T.), *Associate Professor*.  
 NORMAN J. WAGNER, Ph.D. (Princeton), *Assistant Professor*.  
 GEORGE WHITMYRE, M.S. (Delaware), *Laboratory Coordinator*.

### Joint and Adjunct Appointments

*Adjunct Faculty:* PIERRE BEGUIN, Ph.D.; • RALPH J. BERTOLACINI, M.S.; • WILLIAM H. CALKINS, Ph.D.; • ERIC J.H. CHEN, Ph.D.; • JOHN H. GREEN, Ph.D.; • SIMON G. KUKES, Ph.D.; • ROBERT A. LaROSSA, Ph.D.; • JAN L. LEROU, Ph.D.; • JAMES E. LYONS, Ph.D.; • WILLIAM H. MANOGUE, Ph.D.; • BABATUNDE OGUNNAIKE, Ph.D.; • RICHARD J. QUANN, Ph.D.; • A. V. RAMAMURTHY, Ph.D.; • ROBERT M. SECOR, D.Eng.; • RAVI SHARMA, Ph.D.; • KURT F. WISSBRUN, Ph.D.; • AKIMICHI YOKOZEKI, Ph.D.  
*Off-Campus Faculty:* ARTHUR W. ETCHHELLS, Ph.D.; • KAREN A. FLETCHER, MCh.E.; • ALLAN E. JONES, Ph.D.; • MICHAEL J. KELLEY, Ph.D.; • JAMES N. TILTON, Ph.D.; • E. • ALAN UEBLER, Ph.D.; • ROY WINTERINGHAM, Ph.D.

### Civil Engineering

HERBERT E. ALLEN, Ph.D. (Michigan), *Professor*.  
 THOMAS W. BROCKENBROUGH, S.M. (M.I.T.), *Professor Emeritus*.  
 JUDITH B. CARBERRY, Ph.D. (Notre Dame), *Professor*.  
 ALEXANDER H.D. CHENG, Ph.D. (Cornell), *Professor; also Professor, College of Marine Studies*.  
 EUGENE CHESSON JR., Ph.D. (Illinois), *Professor Emeritus*.  
 ROBERT A. DALRYMPLE, Ph.D. (Florida), *Professor; also Professor, College of Marine Studies; also Director, Center for Applied Coastal Research*.  
 ANTHONY F. GAUDY JR., Ph.D. (Illinois), *H. Rodney Sharp Professor Emeritus*.  
 CHIN P. HUANG, Ph.D. (Harvard), *Distinguished Professor of Environmental Engineering; also Professor, College of Marine Studies*.  
 RUSSEL C. JONES, Ph.D. (Carnegie-Mellon), *University Research Professor, Civil Engineering and Center for Science and Culture*.  
 ARNOLD D. KERR, Ph.D. (Northwestern), *Professor*.  
 SHINYA KIKUCHI, Ph.D. (Pennsylvania), *Professor; also Director, Delaware Transportation Center*.  
 JAMES T. KIRBY, Ph.D. (Delaware), *Professor; also Professor, College of Marine Studies*.  
 NOBUHISA KOBAYASHI, Ph.D. (M.I.T.), *Professor; also Professor, College of Marine Studies*.  
 DOV LESHCHINSKY, Ph.D. (Illinois), *Professor*.  
 ROBERT L. NICHOLLS, Ph.D. (Iowa State), *Professor Emeritus*.  
 IB A. SVENDSEN, Ph.D. (Technical University, Denmark), *Professor and Chair; also Professor, College of Marine Studies*.  
 CHENG YI YANG, Sc.D. (M.I.T.), *Professor Emeritus; also Professor Emeritus, College of Marine Studies*.  
 STEVEN K. DENTEL, Ph.D. (Cornell), *Associate Professor*.  
 DENNIS R. MERTZ, Ph.D. (Lehigh), *Associate Professor*.  
 MICHAEL J. CHAJES, Ph.D. (California, Davis), *Assistant Professor*.  
 ARDESHIR FAGHRI, Ph.D. (Virginia), *Assistant Professor*.  
 VICTOR N. KALIAKIN, Ph.D. (California, Davis), *Assistant Professor*.

VISTASP KARBHARI, Ph.D. (Delaware), *Assistant Research Professor*.  
 W. DAVID TETER, M.S.M.E. (West Virginia), *Assistant Professor*.  
 FRED HURLOCK, B.S. (Delaware), *Research Associate III*.

#### **Joint and Adjunct Appointments**

*Marine Studies*: JIN WU.

*Mathematical Sciences*: ROBERT M. STARK.

### **Electrical Engineering**

GONZALO R. ARCE, Ph.D. (Purdue), *Professor; also Professor, College of Marine Studies*.  
 ALLEN M. BARNETT, Ph.D. (Carnegie Institute of Technology), *Research Professor*.  
 L. PAUL BOLGIANO JR., Ph.D. (Johns Hopkins), *Professor Emeritus*.  
 NEAL C. GALLAGHER, Ph.D. (Princeton), *Professor and Chair*.  
 ROBERT G. HUNSPERGER, Ph.D. (Cornell), *Professor*.  
 CHARLES S. IH, Ph.D. (Pennsylvania), *Professor; also Professor, College of Marine Studies*.  
 JAMES KOLODZEY, Ph.D. (Princeton), *Professor*.  
 JOHN J. KRAMER, Ph.D. (Carnegie Institute of Technology), *Professor*.  
 DAVID L. MILLS, Ph.D. (Michigan), *Professor*.  
 DAVID M. ROBINSON, Ph.D. (Delaware), *Professor*.  
 PETER J. WARTER, Ph.D. (Princeton), *Professor*.  
 MILTON GABRIEL YOUNG, M.S. (Harvard), *Professor Emeritus*.  
 CHARLES G. BONCELET, Ph.D. (Princeton), *Associate Professor*.  
 PHILLIP CHRISTIE, Ph.D. (Durham), *Associate Professor*.  
 JOHN G. ELIAS, Ph.D. (Yale), *Associate Professor*.  
 EDWARD A. FAGEN, Ph.D. (Pittsburgh), *Associate Professor Emeritus*.  
 PAUL R. BERGER, Ph.D. (Michigan), *Assistant Professor*.  
 ALI S. KHAYRALLAH, Ph.D. (Michigan), *Assistant Professor*.  
 JEAN-HSANG LIN, Ph.D. (Purdue), *Assistant Professor*.

#### **Joint and Adjunct Appointments**

*Computer and Information Sciences*: PAUL D. AMER.

*Marine Studies*: VYTAUTUS KLEMAS.

*Mathematical Sciences*: M. ZUHAIR NASHED.

### **Mechanical Engineering**

TSU WEI CHOU, Ph.D. (Stanford), *Jerzy L. Nowinski Professor*.  
 JAMES E. DANBERG, Ph.D. (Catholic University of America), *Professor Emeritus*.  
 MICHAEL D. GREENBERG, Ph.D. (Cornell), *Professor*.  
 IRWIN G. GREENFIELD, Ph.D. (Pennsylvania), *Unidel Professor and Dean Emeritus*.  
 HERBERT B. KINGSBURY, Ph.D. (Pennsylvania), *Professor*.  
 JOHN D. MEAKIN, Ph.D. (Leeds), *Professor, Mechanical Engineering and Materials Science; also Senior Scientist, Institute of Energy Conversion*.  
 JERZY L. NOWINSKI, Ph.D. (London), *The H. Fletcher Brown Professor Emeritus*.  
 LEONARD W. SCHWARTZ, Ph.D. (Stanford), *Professor; also Professor, Mathematical Sciences*.  
 ANDRAS Z. SZERI, Ph.D. (Leeds), *Professor and Chair*.  
 JACK R. VINSON, Ph.D. (Pennsylvania), *H. Fletcher Brown Professor; also H. Fletcher Brown Professor, College of Marine Studies*.  
 DICK J. WILKINS, Ph.D. (Oklahoma), *Professor*.  
 JOHN R. ZIMMERMAN, Ph.D. (Lehigh), *Professor Emeritus*.  
 SURESH G. ADVANI, Ph.D. (Illinois), *Associate Professor*.  
 IAN W. HALL, Ph.D. (Leeds), *Associate Professor; also Chair, Materials Science Program*.  
 MICHAEL KEEFE, Ph.D. (Minnesota), *Associate Professor*.  
 AZAR PARVIZI-MAJIDI, Ph.D. (Surrey), *Associate Professor*.  
 MICHAEL H. SANTARE, Ph.D. (Northwestern), *Associate Professor*.

ANTHONY S. WEXLER, Ph.D. (California Institute of Technology), *Associate Professor*.

ROBERT H. ALLEN, Ph.D. (Carnegie-Mellon), *Assistant Professor*.

AJAY K. PRASAD, Ph.D. (Stanford), *Assistant Professor*.

R. VALÉRY ROY, Ph.D. (Rice), *Assistant Professor*.

#### **Joint and Adjunct Appointments**

*Mathematical Sciences*: IVAR STAKGOLD.

## **COLLEGE OF HUMAN RESOURCES**

DENE G. KLINZING, Ph.D. (Penn State), *Dean; also Professor, Individual and Family Studies*.

IRMA AYERS, Ed.D. (Columbia), *Professor and Dean Emerita*.

CATHERINE V. BIEBER, M.S. (Delaware), *Professor and Associate Dean Emerita*.

NORMA GAINES, M.S. (Drexel), *Assistant Dean*.

SUSAN McLAUGHLIN, M.S. (Delaware), *Assistant Dean*.

### **Individual and Family Studies**

JOHN C. CAVANAUGH, Ph.D. (Notre Dame), *Professor and Chair*.

PENNY L. DEINER, Ph.D. (Penn State), *Professor*.

TAMARA K. HAREVEN, Ph.D. (Ohio State), *Unidel Professor of Family Studies, and Hagley Program*.

DENE G. KLINZING, Ph.D. (Penn State), *Professor; also Dean, College of Human Resources*.

WALLACE H. MAW, Ed.D. (Cincinnati), *Professor Emeritus*.

LILA C. MURPHY, Ph.D. (Ohio State), *Professor Emerita*.

DONALD L. PETERS, Ph.D. (Stanford), *Amy Rextrew Professor*.

BARBARA H. SETTLES, Ph.D. (Ohio State), *Professor*.

MARVIN B. SUSSMAN, Ph.D. (Yale), *Unidel Professor Emeritus; also Unidel Professor Emeritus, College of Urban Affairs and Public Policy*.

SARAH S. VAN CAMP, Ed.D. (Massachusetts), *Professor Emerita*.

KATHERINE CONWAY-TURNER, Ph.D. (Kansas), *Associate Professor; also Director, Women's Studies*.

TERESA M. COONEY, Ph.D. (Penn State), *Associate Professor*.

MICHAEL FERRARI, Ph.D. (Rutgers), *Associate Professor; also Associate Professor, Psychology*.

MARION C. HYSOON, Ph.D. (Bryn Mawr), *Associate Professor*.

MARY LOU LIPRIE, Ph.D. (Ohio State), *Associate Professor*.

ROBIN J. PALKOVITZ, Ph.D. (Rutgers), *Associate Professor*.

SUSAN R. SANDALL, Ph.D. (Washington), *Associate Professor*.

DANIEL D. SHADE, Ph.D. (North Carolina), *Associate Professor*.

MARY JANE STRATTNER-GREGORY, Ph.D. (Cornell), *Associate Professor Emerita*.

DONALD G. UNGER, Ph.D. (South Carolina), *Associate Professor*.

ELIZABETH M. BERTERA, Ph.D. (Bryn Mawr), *Assistant Professor*.

CLAYTONA J. DeCAPUA, M.Ed. (Penn State), *Assistant Professor*.

ALICE P. EYMAN, M.A. (Columbia), *Assistant Professor; also Director, University of Delaware Preschool Laboratory, and Coordinator, Student Teaching*.

JULIE MAPES WILGEN, Ph.D. (Texas Tech), *Assistant Professor; also Coordinator, Undergraduate Advisement*.

JANE I. DAVIDSON, M.S. (Delaware), *Instructor; Preschool Staff Teacher*.

NANCY J. EDWARDS, M.Ed. (Temple), *Instructor; Preschool Staff Teacher*.

NADINE T. HEIM, M.Ed. (Chestnut Hill), *Instructor; Preschool Staff Teacher*.

#### **Joint and Adjunct Appointments**

*Cooperative Extension*: MARY ANN FINCH, PATRICIA T. NELSON.

*Educational Development*: CAROL J. VUKELICH.

*Sociology*: SALLY BOULD.

## Nutrition and Dietetics

- ALEXANDER R. DOBERENZ, Ph.D. (Arizona), *Professor; also Interim Vice President for Student Life.*
- JACK L. SMITH, Ph.D. (Cincinnati), *Professor and Chair.*
- PAUL E. WISE, M.B.A. (Michigan State), *Professor and Director, Hotel, Restaurant and Institutional Management.*
- LETA P. ALJADIR, M.S. (Drexel), *Associate Professor.*
- NANCY COTUGNA, Dr.PH (Loma Linda), *Associate Professor.*
- PAMELA R. CUMMINGS, Ph.D. (Oklahoma State), *Associate Professor.*
- MARIE T. FANELLI-KUCZMARSKI, Ph.D. (Rutgers), *Associate Professor.*
- ELIZABETH M. LIEUX, M.S. (Delaware), *Associate Professor and Director, Coordinated Dietetics.*
- LOUISE LITTLE, Ph.D. (Wisconsin), *Associate Professor.*
- CAROLYN K. MANNING, M.Ag. (Florida), *Associate Professor.*
- ARLETTE I. RASMUSSEN, Ph.D. (Wisconsin), *Associate Professor; also Associate Professor, Animal Science and Agricultural Biochemistry.*
- CONNIE E. VICKERY, Ph.D. (V.P.I.), *Associate Professor.*
- RONALD P. COLE, M.S. (Rochester Institute), *Assistant Professor.*
- RICHARD E. LAUGHLIN, Ph.D. (Tulane), *Assistant Professor.*
- FRANKIE F. MILLER, Ph.D. (Indiana University of PA), *Assistant Professor.*
- ROBERT R. NELSON, M.B.A. (Drexel), *Assistant Professor.*
- ALI A. POORANI, Ph.D. (U.S. International), *Assistant Professor.*
- CHENG-SHUN FANG, Ph.D. (Nebraska), *Instructor.*
- LISA SCOLARO, A.A. (Culinary Inst.), *Instructor.*

## Joint and Adjunct Appointments

- Cooperative Extension:* O. SUE SNIDER.
- Adjunct Faculty:* PATRICIA W. FREY, M.S.

## Textiles, Design and Consumer Economics

- JOHN E. KUSHMAN, Ph.D. (North Carolina), *Professor.*
- JAMES L. MORRISON, Ed.D. (Temple), *Professor.*
- VIRGINIA D. AHRENS, Ph.D. (Maryland), *Associate Professor.*
- CAROL R. DENSON, Ph.D. (Delaware), *Associate Professor.*
- MARY JO KALLAL, M.S. (Southern Illinois), *Associate Professor.*
- ROSETTA S. LaFLEUR, Ph.D. (Tennessee), *Associate Professor.*
- JANE M. LAMB, Ph.D. (Tennessee), *Associate Professor.*
- FRANCES W. MAYHEW, M.S. (Delaware), *Associate Professor.*
- KAREN E. SCHAEFFER, M.S. (Penn State), *Associate Professor.*
- PAUL J. SESTAK, B.S. Arch. (Drexel), *Associate Professor.*
- KAREN F. STEIN, Ph.D. (Delaware), *Associate Professor and Chair.*
- JUDITH B. VAN NAME, Ph.D. (V.P.I.), *Associate Professor.*
- LYNNE R. DIXON-SPELLER, M.S. (Western Kentucky), *Assistant Professor.*
- M.J. MATRANGA, M.S. (Drexel), *Assistant Professor.*

## COLLEGE OF MARINE STUDIES

- LEE G. ANDERSON, Ph.D. (Washington), *Professor and Director, Marine Policy Program; also Professor, Economics.*
- ELLIS T. BOLTON, Ph.D. (Rutgers), *Professor Emeritus.*
- JOHN S. BOYER, Ph.D. (Duke), *E.I. du Pont Professor of Marine Biochemistry; also Professor, Plant and Soil Sciences.*
- MELBOURNE R. CARRIKER, Ph.D. (Wisconsin), *Professor Emeritus.*
- THOMAS M. CHURCH, Ph.D. (California, LaJolla), *Professor; also Professor, Chemistry and Biochemistry.*
- BILIANA CICIN-SAIN, Ph.D. (California, Los Angeles), *Professor and Codirector, Center for the Study of Marine Policy; also Professor, Political Science and International Relations, and Professor, College of Urban Affairs and Public Policy.*
- FRANKLIN C. DAIBER, Ph.D. (Ohio State), *Professor Emeritus, also Professor Emeritus, School of Life and Health Sciences.*

- STEPHEN C. DEXTER, Ph.D. (Delaware), *Professor; also Professor, Materials Science, College of Engineering.*
- CHARLES E. EPIFANIO, Ph.D. (Duke), *Professor and Associate Dean.*
- JOHN L. GALLAGHER, Ph.D. (Delaware), *Professor.*
- RICHARD W. GARVINE, Ph.D. (Princeton), *M.P. and M.H. Harrington Professor of Marine Studies.*
- RONALD J. GIBBS, Ph.D. (Scripps Institution of Oceanography), *Professor and Director, Center for the Study of Colloidal Science; also Professor, Geology.*
- DAVID L. KIRCHMAN, Ph.D. (Harvard), *Professor.*
- VICTOR V. KLEMAS, Ph.D. (Technical University of Braunschweig), *Professor and Director, Applied Ocean Science Program; also Director, Center for Remote Sensing; also Professor, Electrical Engineering and Geography.*
- ROBERT W. KNECHT, M.S. (Rhode Island), *Professor and Codirector of the Center for the Study of Marine Policy; also Professor, Political Science, and Professor, College of Urban Affairs and Public Policy.*
- GEORGE W. LUTHER, III, Ph.D. (Pittsburgh), *Professor; also Professor, Chemistry and Biochemistry.*
- GERARD J. MANGONE, Ph.D. (Harvard), *University Research Professor of International Maritime Law.*
- JONATHAN H. SHARP, Ph.D. (Dalhousie), *Professor.*
- J. HERBERT WAITE, Ph.D. (Duke), *Professor; also Professor, Chemistry and Biochemistry.*
- FERRIS WEBSTER, Ph.D. (M.I.T.), *Professor and Director, Oceanography Program.*
- JIN WU, Ph.D. (Iowa), *H. Fletcher Brown Professor; also H. Fletcher Brown Professor, Civil Engineering.*
- PATRICK M. GAFFNEY, Ph.D. (SUNY, Stony Brook), *Associate Professor.*
- RICHARD J. GEIDER, Ph.D. (Dalhousie), *Associate Professor.*
- DOUGLAS C. MILLER, Ph.D. (Washington), *Associate Professor.*
- GEORGE R. PARSONS, Ph.D. (Wisconsin), *Associate Professor; also Associate Professor, Economics.*
- KENT S. PRICE (Delaware) *Associate Professor and Director, Marine Advisory Service; also Associate Professor, School of Life and Health Sciences.*
- NANCY M. TARGETT, Ph.D. (Maine), *Associate Professor and Director, Marine Biology-Biochemistry Program.*
- TIMOTHY E. TARGETT, Ph.D. (Maine), *Associate Professor.*
- CAROLYN A. THOROUGHGOOD, Ph.D. (Maryland), *Associate Professor and Dean; also Director, Delaware Sea Grant College Program; also Associate Professor, Food Science.*
- WILLIAM J. ULLMAN, Ph.D. (Chicago), *Associate Professor; also Associate Professor, Geology.*
- KUO-CHUIN WONG, Ph.D. (SUNY, Stony Brook), *Associate Professor.*
- XIAO-HAI YAN, Ph.D. (SUNY, Stony Brook), *Associate Professor.*
- MOHSEN BADIEY, Ph.D. (Miami), *Assistant Professor; also Assistant Professor, Civil Engineering.*
- CRAIG CARY, Ph.D. (California, San Diego), *Assistant Professor.*
- FRANK R. HALL, Ph.D. (Rhode Island), *Assistant Professor; also Assistant Professor, Geology.*
- I. PABLO HUQ, Ph.D. (Cambridge), *Assistant Professor.*
- DAVID E. KRANTZ, Ph.D. (South Carolina), *Assistant Professor; also Assistant Professor, Geology.*
- JOHN D. McCALPIN, Ph.D. (Florida State), *Assistant Professor.*
- CHARLES H. CULBERSON, Ph.D. (Oregon State), *Research Scientist.*
- ANA I. DITTEL, Ph.D. (Delaware), *Associate Research Scientist.*
- DENISE M. SELISKAR, Ph.D. (Delaware), *Research Scientist.*

## Joint and Adjunct Appointments

- Department of Civil Engineering:* ALEXANDER H.-D. CHENG, ROBERT A. DALRYMPLE, C.P. HUANG, JAMES T. KIRBY, NOBUHISA KOBAYASHI, IB A. SVENDSEN.
- Department of Economics:* RICHARD J. AGNELLO.
- Department of Electrical Engineering:* GONZALO R. ARCE, CHARLES S. IH.

*Department of Geography:* CORT WILLMOTT

*Department of Geology:* BILLY P. GLASS, JOHN C. KRAFT, JOHN A. MADSEN, RONALD E. MARTIN, SUSAN McGEARY, JOHN F. WEHMILLER

*Department of Mathematical Sciences:* ROBERT P. GILBERT

*Department of Mechanical Engineering:* JACK R. VINSON

*Department of Political Science and International Relations:* JAMES K. OLIVER, RICHARD SYLVES

*School of Life and Health Sciences:* G. FRED SOMERS, DAVID W. SMITH, MALCOLM H. TAYLOR

*University Parallel Program:* LARRY A. CURTIS

*Urban Affairs and Public Policy:* JOHN M. BYRNE

*Adjunct Faculty:* CHARLES ALBISETTI, Ph.D.; • ROBERT B. BIGGS, Ph.D.; • JAMES BROADUS, Ph.D.; • GEORGE M. DAVIS, Ph.D.; • ROBERT G. DEAN, Sc.D.; • BERT G. DRAKE, Ph.D.; • MARILYN L. FOGEL, Ph.D.; • REGINAL M. HARRELL, Ph.D.; • EVELYN M. MAURMEYER, Ph.D.; • WILLIAM H. MEREDITH, Ph.D.; • TAVIT O. NAJARIAN, Ph.D.; • DONALD B. NUZZIO, Ph.D.; • JAMES W. ROTTMAN, Ph.D.; • JOHN H. TROWBRIDGE; • PAUL L. WOLF, Ph.D.

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 JANET A. SMITH, M.Ed. (West Chester), *Associate Professor*.  
 AVRON ABRAHAM, Ph.D. (Connecticut), *Assistant Professor*.  
 JANICE BIBIK, Ph.D. (Syracuse), *Assistant Professor*.  
 JOAN M. COUCH, M.S. (U.S. Sports Academy), *Assistant Professor and Assistant Athletic Trainer*.  
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 SUSAN M. McGRATH-POWELL, M.E. (SUNY, Buffalo), *Assistant Professor and Head Women's Cross Country and Indoor and Outdoor Track Coach*.  
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 MICHELLE A. PROVOST-CRAIG, Ph.D. (Maryland), *Assistant Professor*.  
 ROBERT SHILLINGLAW, M.A. (Boston), *Assistant Professor and Head Men's Lacrosse Coach*.  
 JEROME D. BROWN JR., M.S. (Delaware), *Instructor*.  
 ANTHONY S. DECKER, M.Ed. (Virginia), *Instructor and Assistant Athletic Trainer*.  
 SHEILA M. FEES, M.S. (Delaware), *Instructor and Assistant Athletic Trainer*.  
 JOHN T. HAYMAN, M.S. (Southern Illinois), *Instructor and Head Men's and Women's Swim Coach*.  
 JOHN M. SCHUSTER, M.S. (Eastern Illinois), *Instructor and Assistant Swim Coach*.  
 JOANN ABBRUZZESI, B.S. (Delaware), *Supervisor, Intercollegiate Athletics Events*.  
 ELYSE G. ADLER, B.S. (Maryland), *Marketing Associate, Intercollegiate Athletics Program*.  
 ELAINE M. AHERN, M.S. (Delaware), *Program Specialist*.  
 LEANNE BROWN, M.S. (Delaware), *Fitness Leader, Recreation/Intramurals*.  
 DARRYL A. BRUCE, B.S. (Towson), *Assistant Basketball Coach*.  
 CHARLES T. CHATTERTON JR., M.S. (Delaware), *Fitness Specialist*.  
 GEORGE W. DEEVER, B.S. (Delaware), *Supervisor, Intercollegiate Athletics Events*.  
 SCOTT EATOUGH, B.B.A. (James Madison), *Assistant Director, Intercollegiate Athletics Program*.  
 M. JAMES GOSSARD, B.S. (North Texas State), *Manager, Ice Arena and Outdoor Pool*.  
 PATRICIA G. GRIM, *Assistant to the Dean*.  
 CYNTHIA L. HALEY, *Assistant to the Director, Recreation/Intramurals*.  
 YVONNE R. HILTON, M.A. (Delaware), *Program Specialist, Recreation/Intramurals*.  
 WILLIAM H. JOHNSON JR., M.S. (Delaware), *Academic Adviser*.  
 SEAN M. KEARNEY, B.S. (Scranton), *Assistant Basketball Coach*.  
 C.J. KENDELL, M.S. (Arizona), *Fitness Coordinator, Recreation/Intramurals*.  
 OTTO L. KNEIDINGER, M.Ed. (East Stroudsburg), *Assistant Football Coach*.  
 RON E. LUDINGTON, *Director, Ice Skating Science Development Center*.  
 SUSAN J. MANELSKI, B.S. (James Madison), *Assistant Women's Basketball Coach*.  
 JAMES W. MCCARTHY, B.A. (Villanova), *Assistant Football Coach*.  
 CAROL A. MILLER, B.S. (Delaware), *Head Field Hockey Coach*.  
 GREGG A. PERRY, M.S. (Delaware), *Assistant Football Coach*.  
 JOYCE EMORY PERRY, M.S. (Delaware), *Head Women's Basketball Coach*.  
 VERONICA R. PICK, M.S. (East Stroudsburg), *Fitness Specialist*.  
 KATHLEEN R. POHLIG, M.S. (West Chester), *Assistant Director of Athletics*.  
 MARYANN F. RAPPOSELLI, M.S. (Eastern Kentucky), *Assistant Director, Recreation/Intramurals*.  
 VIRGINIA EGAN REDMOND, M.A. (Washington State), *Associate Director, Recreation and Intramurals*.

ROBERT SABOL, M.S. (Villanova), *Assistant Football Coach*.  
 MARC R. SAMONISKY, M.S. (Delaware), *Assistant Baseball and Head Soccer Coach*.  
 SCOTT W. SELHEIMER, B.S. (Millersville), *Sports Information Associate*.  
 ROGER J. SPACHT, R.Ed. (Indiana), *Associate Director, Recreation and Intramurals*.  
 STEVE C. STEINWEDEL, M.Ed. (Stetson), *Head Men's Basketball Coach*.  
 DENISE O. WESTCOTT, M.A. (Maryland), *Head Women's Lacrosse Coach*.  
 PHYLLIS L. WHALER, M.S. (Delaware), *Program Coordinator, Cardiac Rehabilitation*.

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## COLLEGE OF URBAN AFFAIRS AND PUBLIC POLICY

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DANIEL RICH, Ph.D. (M.I.T.), *Dean and Professor, also Professor, Political Science and International Relations*.  
 DAVID L. AMES, Ph.D. (Clark), *Professor, also Director, Center for Historic Architecture and Engineering, and Professor, Geography*.  
 JOHN M. BYRNE, Ph.D. (Delaware), *Director, Urban Affairs and Public Policy Program, also Professor and Director, Center for Energy and Urban Policy Research, and Professor, College of Marine Studies*.  
 J. BARRY CULLINGWORTH, MRTPI, FRSA, *Unidel Professor of Urban Affairs and Public Policy, also Professor, Geography*.  
 JEFFREY A. RAFFEL, Ph.D. (M.I.T.), *Professor, also Professor, Political Science and International Relations*.  
 FRANCIS X. TANNIAN, Ph.D. (Virginia), *Professor and Economist, also Professor, Economics*.  
 ROBERT WARREN, Ph.D. (California, Los Angeles), *Professor, also Professor, Political Science and International Relations*.  
 TIMOTHY K. BARNEKOV, Ph.D. (Syracuse), *Associate Professor and Director, Center for Community Development*.  
 MARVIN R. BRAMS, Ph.D. (Clark), *Associate Professor and Economist*.  
 MARVIN S. GILMAN, J.D. (Brooklyn Law School), *Associate Professor Emeritus*.  
 JEROME R. LEWIS, Ph.D. (New York University), *Associate Professor and Director, Delaware Public Administration Institute, also Associate Professor, Political Science and International Relations*.  
 BETTY L. McCUMMINGS, Ph.D. (Syracuse), *Associate Professor and Director, M.P.A. Program*.  
 BARRY R. MORSTAIN, Ph.D. (California, Berkeley), *Associate Professor*.  
 EDWARD C. RATLEDGE, M.A. (Delaware), *Associate Professor and Director, Center for Applied Demography and Survey Research*.  
 JAMES H. SILLS, Ph.D. (Bryn Mawr), *Associate Professor*.  
 PAUL L. SOLANO, Ph.D. (Maryland), *Associate Professor, also Associate Professor, Political Science and International Relations*.  
 YOUNG-DOO WANG, Ph.D. (Delaware), *Associate Professor and Associate Director, Center for Energy and Environmental Policy*.  
 ROBERT A. WILSON, Ph.D. (Temple), *Associate Professor, also Associate Professor, Sociology*.  
 DEBORAH A. AUGER, Ph.D. (M.I.T.), *Assistant Professor, also Assistant Professor, Political Science and International Relations*.  
 KAREN A. CURTIS, Ph.D. (Temple), *Assistant Professor and Associate Policy Scientist*.  
 AUDREY L. HELFMAN, Ph.D. (Delaware), *Assistant Professor and Policy Specialist II*.  
 ERIC D. JACOBSON, M.P.A. (Delaware), *Assistant Professor, also Assistant Director, DPA Institute*.  
 WILLETT KEMPTON, Ph.D. (Texas), *Assistant Professor and Senior Policy Scientist, Center for Energy and Environmental Policy*.  
 G. ARNO LOESSNER, M.A. (Delaware), *Assistant Professor and Policy Scientist*.  
 DANILO YANICH, Ph.D. (Delaware), *Assistant Professor and Associate Policy Scientist*.  
 MARIA BEYER, B.A. (Delaware), *Assistant to the Dean*.

MARY HELEN CALLAHAN, M.A. (Harvard), *Assistant to the Dean for Advancement and Special Programs; also Executive Director of Urban Affairs Association.*

BETTY DEHEL, B.A. (Gettysburg), *Assistant to the Dean for Financial Management.*

RAHEEMAH IABBAR-BEY, B.A. (Western College for Women), *Policy Specialist I.*

STEVEN PEUQUET, M.A., M.U.R.P. (Pennsylvania), *Associate Policy Scientist.*

PHYLLIS M. RAAB, *Assistant Director, Center for Applied Demography and Survey Research.*

DAVID P. RACCA, M.S. (Delaware), *Assistant Policy Scientist.*

REBECCA J. SIDERS, B.A. (Delaware), *Policy Specialist I.*

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#### **Joint and Adjunct Appointments**

*Art History:* BERNARD L. HERMAN.

*Geography:* YDA SCHREUDER, APRIL R. VENESS.

*Individual and Family Studies:* MARVIN B. SUSSMAN.

*Marine Studies:* BILIANA CICIN-SAIN, ROBERT W. KNECHT.

*Philosophy:* PAUL T. DURBIN.

*Political Science and International Relations:* WILLIAM W. BOYER, MARK W. HUDDLESTON, JANET B. JOHNSON, HENRY T. REYNOLDS, RICHARD T. SYLVES.

*Adjunct Faculty:* STEVEN M. HOFFMAN, Ph.D.; • AKLILU KIDANU, Ph.D.; • CECILIA MARTINEZ, Ph.D.

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### **UNIVERSITY PARALLEL PROGRAM**

JEAN BOHNER, M.A. (Delaware), *Interim Assistant Dean.*

KATHLEEN A. BIEKER, M.A. (Central Michigan), *Assistant Dean.*

PATRICIA S. DOREY, B.S. (Salisbury), *Assistant Dean.*

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#### **Wilmington Campus**

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

JEAN A. BOHNER, M.A. (Delaware), *Assistant Professor of English.*

PHILIP GOLDSTEIN, Ph.D. (Temple), *Associate Professor of English.*

ALAN M. HOROWITZ, M.A. (Delaware), *Assistant Professor of Sociology/Criminal Justice.*

MICHAEL ROSENBERG, Ph.D. (Pennsylvania), *Assistant Professor of Anthropology.*

KENNETH A. PARSONS, Ph.D. (Colorado), *Instructor in Biology and Chemistry.*

---

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

CARLA C. MORRIS, M.S. (R.P.I.), *Assistant Professor of Mathematics.*

SHARON S. TUCKER, Ph.D. (Rutgers), *Assistant Professor of Biology.*

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LAWRENCE A. CURTIS, Ph.D. (Delaware), *Associate Professor, Biology; also Associate Professor, School of Life and Health Sciences, and Associate Professor, College of Marine Studies.*

CHARLES M. KOPAY, Ph.D. (Delaware), *Associate Professor of Chemistry.*

ANNE A. COLWELL, Ph.D. (Delaware), *Assistant Professor, English.*

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

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

LEONARD M. NELSON, B.S. (Delaware), *Instructor in Physical Education.*

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EVELYN D. SMITH, *Assistant to the President.*

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 SUZANNE B. CLARK, M.Ed. (Delaware), *Credit Program Manager.*  
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