Faculty and Administration

This is the Faculty and Administration and Index sections of the 1999-2000 Undergraduate Catalog of the University of Minnesota.

Table of Contents

College of Agricultural, Food, and Environmental Sciences ........................................................ 440
College of Architecture and Landscape Architecture .............................................................................444
College of Biological Sciences .......................................................................................................................445
School of Dentistry and Division of Dental Hygiene ........................................................................448
College of Education and Human Development ................................................................................ 448
General College .....................................................................................................................................................450
College of Human Ecology ..............................................................................................................................451
College of Liberal Arts ......................................................................................................................................453
Curtis L. Carlson School of Management ................................................................................................461
Division of Medical Technology .................................................................................................................. 462
Program of Mortuary Science ...................................................................................................................... 463
College of Natural Resources .........................................................................................................................463
School of Nursing ............................................................................................................................................... 464
Institute of Technology .....................................................................................................................................465
THE UNIVERSITY OF MINNESOTA
University Regents
William E. Hogan II, Minnesota, Chair
Pamela B. Spence, Vice Chair
Anthony R. Baraga, Side Lake
Robert S. Bergland, Roseau
Dallas Bohnsack, New Prague
Wrenn C. Larson, Bagley
David R. Metzen, South St. Paul
H. Bryan Neel III, Rochester
Michael O’Keefe, Minneapolis
William R. Peterson, Eagan
Jessica J. Phillips, Bloomington
Maureen K. Reed, Stillwater

University Administrators
Mark Yudof, President
Robert Bruininks, Executive Vice President and Provost
Frank B. Cerra, Senior Vice President for Health Sciences
McKinley Boston, Jr., Vice President for Student Development & Athletics
Carol Carrier, Vice President for Human Resources
Sandra Gardebring, Vice President for Institutional Relations
Eric Kruse, Vice President for University Services
Philip Larsen, Interim Vice President for Agricultural Policy
Christine Maziar, Vice President for Research and Dean of the Graduate School
Mark B. Rotenberg, General Counsel

College of Agricultural, Food, and Environmental Sciences

Administration
Philip O. Larsen, Interim Vice President of Agriculture, Interim Dean of COAFES, Interim Director, Minnesota Agricultural Experiment Station
Alan G. Hunter, Associate Dean, Curricular and Student Affairs
Gerald Miller, Associate Dean, Extension
Beverly Duran, Interim Associate Dean, Research
Jean Underwood, Director, Career Services
Mark Bultmann, Director, Student Services
Stacie Dossall, Admissions Coordinator

Faculty

Agricultural, Food, and Environmental Education
Bracewell, Earl, Research Associate
Ph.D., University of Minnesota
Agricultural mechanics, international development, program evaluation, extension
Cardwell, Vernon, Professor
Ph.D., Iowa State University
Food, fiber, environment, natural resources, literacy, crop science
Jørgen, Richard, Assistant Professor
Ph.D., University of Minnesota
Teacher and trainer preparation, instructional preferences, instructional design
Leske, Gary, Associate Professor
Ph.D., University of Minnesota
Experiential education, leadership, human research methods, lifeework planning
Nordquist, Dale, Professor and Extension Educator
M.S., University of Minnesota
Agricultural finance, planning, farm business management, education
Peterson, Roland, Professor and Head
Ed.D., University of Nebraska
Methods of teaching, curriculum development, problem-solving, teaching

Agronomy and Plant Genetics
Anderson, James A., Assistant Professor
Ph.D., Cornell University
Plant breeding and genetics—wheat
Anderson, Robert N., Professor Emeritus
Ph.D., University of Minnesota
Weed management/U.S. Department of Agriculture, Agricultural Research Service
Barnes, Donald K., Professor Emeritus
Ph.D., Pennsylvania State University
Plant breeding alfalfa
Becker, Roger L., Associate Professor
Ph.D., Iowa State University
Weed management strategies in annual and perennial systems
Behrens, Richard, Professor Emeritus
Ph.D., University of Wisconsin
Weed management
Burnside, Orvin C., Professor
Ph.D., University of Minnesota
Alternative weed management systems
Busch, Robert H., Professor
Ph.D., Purdue University
Wheat breeding and genetics methods
Cardwell, Vernon B., Professor
Ph.D., Iowa State University
Crop management and physiology
Comstock, Vern E., Professor Emeritus
Ph.D., University of Minnesota
Plant breeding and genetics, flax
Cuomo, Gregory J., Assistant Professor
Ph.D., University of Nebraska
Pasture management and ecology
Duran, Beverly R., Professor
Ph.D., North Dakota State University
Weed management for small grains, sunflowers, minor crops
Dyck, Elizabeth A., Assistant Professor
Ph.D., University of Maine
Crop/weed ecology
Ehike, Nancy Jo, Associate Professor
Ph.D., Pennsylvania State University
Forage, legumes and turf grasses, genetics, breeding methods
Elling, J. Laddie, Professor Emeritus
Ph.D., University of Minnesota
Plant genetics/plant pathology
Forcella, Frank, Associate Professor
Ph.D., University of Oklahoma
Integrated ecology and management of weeds
Geadelmann, Jon Lee, Adjunct Professor
Ph.D., Iowa State University
Corn breeding and genetics
Gengenbach, Burle G., Professor
Ph.D., University of Illinois
Corn and soybeans molecular genetics
Gooding, John A., Professor Emeritus
Ph.D., Washington State University
Agronomy—range plant ecology
Gronwald, John W., Professor
Ph.D., University of Illinois
Biological control of invasive weeds in legumes
Gunson, Jeffrey L., Associate Professor
Ph.D., North Carolina State University
Weed management in corn and soybeans
Hardman, Leland L., Professor
Ph.D., University of Minnesota
Cropping practices for soybeans, field beans, and oats
Hicks, Dale R., Professor
Ph.D., University of Illinois
Corn and sunflower management
Johnson, Greg, Assistant Professor
Ph.D., University of Nebraska
Integrated weed management
Johnson, Hebert W., Professor Emeritus
Ph.D., University of Nebraska
Agronomy—soybean variety development
Jones, Robert J., Professor
Ph.D., University of Missouri
Maze physiology
Joo, Pilju Kim, Adjunct Professor
Ph.D., Cornell University
Crop genetics and international development
Jordan, Nicholas R., Associate Professor
Ph.D., Duke University
Application of plant population biology to agricultural problems
Jung, Hans-Joachim G., Professor
Ph.D., University of Illinois
Cell wall lignification of forages
Kamphuysen, William E., Professor
Ph.D., University of Illinois
Perennial native legumes and weed management in Canola
Marten, Gordon C., Professor
Ph.D., University of Minnesota
Agronomy—range plant ecology
Martin, Neal P., Professor
Ph.D., University of Minnesota
Perennial native legumes and weed management in Canola
Marten, Gordon C., Professor
Ph.D., University of Minnesota
Agronomy—range plant ecology
Muehlbauer, Gary J., Assistant Professor
Ph.D., University of Minnesota
Molecular genetics of wheat and barley
Naeve, Seta, Assistant Professor
Ph.D., Iowa State University
Soybean management

Oelke, Ervin, Professor
Ph.D., University of Wisconsin
Small grains, wild rice and minor crops management
Orf, James H., Professor
Ph.D., University of Illinois
Soybean genetics and breeding
Phillips, Ronald L., Regents’ Professor
Ph.D., University of Minnesota
Crop cyto genetics
Porter, Paul, Associate Professor
Ph.D., University of Illinois
Cropping systems
Rasmusson, Donald C., Professor
Ph.D., University of California
Barley genetics and breeding
Rines, Howard W., Professor
Ph.D., Yale University
Genetics and biotechnology investigations in oat
Robinson, Robert E., Professor Emeritus
Ph.D., University of Minnesota
Agronomy and soil science
Sheaffer, Craig C., Professor
Ph.D., University of Maryland
Alfalfa and forage management sustainable cropping systems
Simmons, Steve R., Professor
Ph.D., University of Minnesota
Ecology of diversified cropping systems
Smith, Kevin P., Assistant Professor
Ph.D., University of Wisconsin
Barley genetics and breeding
Smith, Lawrence H., Professor Emeritus
Ph.D., Michigan State University
Undergraduate education
Somers, David A., Professor
Ph.D., Washington State University
Crop molecular genetics, genetic engineering
Stucker, Robert E., Professor Emeritus
Ph.D., North Carolina State University
Stuthman, Deon D., Professor
Ph.D., Purdue University
Durable and disease-resistant oats; plant improvement; value-added traits
Vance, Carroll P., Professor
Ph.D., Ohio State University
Physiology/ molecular biology of nitrogen fixation in legumes
Wedin, Walter F., Adjunct Professor
Ph.D., University of Wisconsin, Madison
Forage management
Wiersma, Jochum J., Assistant Professor
Ph.D., University of Minnesota
Small grains production and management
Wyse, Donald L., Professor
Ph.D., Michigan State University
Perennial weed control for grass/legume seed production

Animal Science
Arthaud, Raymond L., Professor Emeritus
Ph.D.
Beef cattle
Berg, Robert W., Professor Emeritus
Ph.D.
Poultry
Boylan, William J., Professor Emeritus
Ph.D.
Sheep breeding
Subramanian, Anuradha, Assistant Professor
Ph.D., Virginia Polytechnic Institute and State University
Recombinant protein production in transgenic animal systems, downstream purification

Wicke, William, P.E. (Iowa), Associate Professor and Extension Engineer
Ph.D., Iowa State University
Post-harvest technology, sustainable agriculture, agricultural energy sources

Wilson, Bruce, P.E. (Oklahoma), Associate Professor
Ph.D., University of Kentucky
Hydrologic/water quality modeling, transport of surface water contaminants

Wright, Jerry, P.E., Associate Professor and Extension Engineer
M.S., North Dakota State University
Irrigation design and management, drainage, ground water quality

**Entomology**

Andow, David A., Professor
Ph.D., Cornell University
Insect ecology, evolution, conservation biology

Ascerno, Mark E., Professor and Head
Ph.D., Pennsylvania State University
Floricultural entomology

Brooks-Wallace, Marion, Professor Emeritus
Ph.D., University of Minnesota
Insect physiology

Chiang, Hual-Chang, Professor Emeritus
Ph.D., University of Minnesota
Insect ecology

CUTKOMP, Laurence K., Professor Emeritus
Ph.D., Cornell University
Insect toxicology

Fallon, Ann M., Professor
Ph.D., Queen’s University
Molecular biology of insects, mosquito cell culture, mosquito reproduction

Harein, Phillip K., Professor Emeritus
Ph.D., Kansas State University
Stored product entomology

Heimpel, George E., Assistant Professor
Ph.D., University of California
Biological control, behavioral and evolutionary ecology

Holzenthal, Ralph W., Professor
Ph.D., Clemson University
Systematics, Cladistics Trichoptera

Hutchison, William D., Associate Professor
Ph.D., University of Wisconsin Madison
Integrated pest management for vegetable crops

Kirschik, Vera A., Assistant Professor
Ph.D., University of Maryland
Integrated pest management, ornamentals, plant resistance, biological control

Kurtti, Timothy J., Professor
Ph.D., University of Minnesota
Insect microbiology and physiology

Macare, Ivan V., Assistant Professor
Ph.D., Oregon State University
Integrated pest management (IPM) of field crops, site-specific IPM

Mese, Karen A., Associate Professor
Ph.D., University of Oregon
Neural mechanisms underlying the generation of behavior in arthropods and annelids

Miller, William E., Professor
Ph.D., Ohio State University
Population biology; reproductive biology; Lepidoptera systematics and evolution

Moon, Roger D., Professor
Ph.D., University of California, Davis
Livestock entomology, biological control, sampling

Noetzol, David M., Professor Emeritus
M.S., University of Minnesota
Field and specialty crops pest management

Ostlie, Kenneth R., Associate Professor
Ph.D., Iowa State University
Corn and soybean integrated pest management

Price, Roger D., Professor Emeritus
Ph.D., University of Kansas Systematics

Radsdale, David W., Professor
Ph.D., Louisiana State University
Integrated pest management and biological control of insect

Seybold, Steven, Assistant Professor
Ph.D., University of California
Forest entomology

Spivak, Maria S., Assistant Professor
Ph.D., University of Kansas
Apiculture and social insects

Walgenbach, David, Professor
Ph.D., University of Wisconsin Agricultural entomology and pest management

Weller, Susan J., Assistant Professor
Ph.D., University of Texas
Systematics of Lepidoptera using molecular and morphological approaches

**Food Science and Nutrition**

Addis, Paul B., Professor
Ph.D., Purdue University
Lipid oxidation, fatty acids, atherosclerosis, food chemical toxicology

Asp, Elaine H., Associate Professor
Ph.D., University of Minnesota
Physical and chemical characteristics of cereals, cereal-based products

Castell, Eric D., Associate Professor
Ph.D., Utah State University
Food proteins/enzymes, applications to milk/dairy systems

Brady, Linda J., Professor
Ph.D., Michigan State University
Effects of diet on intestinal microflora and health

Busta, Francis F., Professor
Ph.D., University of Illinois
Factors affecting survival/growth of bacteria in food

CARTWRIGHT, YOLANDA, ASSOCIATE CLINICAL SPECIALIST
M.S., R.D., L.D., Rush University
Nutrition education, epidemiology and minority populations

Cassady, A. Saari, Professor
M.S., University of Minnesota
Iodine deficiency, pharyngeal defense

Curtis, Peter J., Professor
Ph.D., University of Minnesota
Integrative physiology of reproduction, energy metabolism

Dane, William D., Professor Emeritus
Ph.D., University of Wisconsin Madison
Nutrition education, epidemiology and minority populations

Davidson, William D., Professor Emeritus
Ph.D., University of Wisconsin Madison
Nutrition education, epidemiology and minority populations

Dearing, Mary E., Assistant Professor
Ph.D., University of Minnesota
Community nutrition, cross-cultural nutrition education, nutrition for the elderly

Feitknecht, Joellen M., Assistant Professor
Ph.D., University of Minnesota
Food safety/HAACP, ATP bioluminescence, probiotic/probiotic physiology

Furler, R. Cary, Professor
Ph.D., Monash University, Australia
Structure/function relationships in cereal grains/cereal products

Galagher, Daniel D., Associate Professor
Ph.D., University of California, Davis
Diet/cancer relationships, fat/fiber in diet

Hanson, Madge N., Assistant Professor and Program Director
M.S., R.D., L.D., University of Minnesota
Medical nutrition therapy

Hassel, Craig A., Associate Professor
Ph.D., University of Arizona
Saturated fatty acids/dietary fiber on cholesterol metabolism

Hutchins, Andrew M., Assistant Clinical Professor
M.S., R.D., L.D., University of Minnesota
Nutrition support, nutrition education, medical nutrition therapy, phytoestrogens

Kurzer, Mindy S., Associate Professor
Ph.D., University of California, Berkeley
Dietary regulation of hormones, phytoestrogens, diet and cancer

Labuzza, Theodore P., Professor
Ph.D., Massachusetts Institute of Technology
Shelf life, edible packaging films, moisture transport

Mckay, Larry Lee, Professor
Ph.D., Oregon State University
Food fermentation/genetics/biotechnology of lactic acid bacteria

Mullan, Jr., Louise M., Assistant Professor
M.S., R.D., L.D., University of Minnesota
Acceptability and consumption of foods in institutional settings

O’Sullivan, Daniel J., Assistant Professor
Ph.D., National University of Ireland
Molecular genetics of lactic acid bacteria, bacteriophage resistance

Reicks, Maria M., Associate Professor
Ph.D., Iowa State University
Role of diet in cancer prevention, nutrition education

Reineccius, Gary A., Professor
Ph.D., Pennsylvania State University
Analysis of food flavors, losses during spray drying

Sapakie, Sidney F., Senior Fellow
M.B.A., University of Minnesota
Product development, food processing

Schaffer, William, Associate Professor
Ph.D., University of Wisconsin, Madison
Food safety/security; naturally occurring antimicrobial compounds/antioxidants

Schmid, Mary K., Lecturer
Ph.D., Cornell University
Food chemistry, biochemistry, human nutrition

Slavin, Joanne L., Professor
Ph.D., University of Wisconsin, Madison
Dietary fiber, diet/cancer/exercise, human feeding studies

Smith, Cherry F., Assistant Professor
Ph.D., Indiana University
Domestic and international community nutrition issues
Gross, Alan G., Professor
Ph.D., Princeton University
Rhetorical study of history of the pre-scientific article

Gurak, Laura J., Associate Professor
Ph.D., Rensselaer Polytechnic Institute
Rhetoric of science and technology, intellectual property

Holloway, James R., Professor Emeritus
D.D., St. Louis College
Speech

Horberg, Richard O., Professor
Ph.D., University of Minnesota
Creative writing

Kastman, Lee-Ann, Assistant Professor
Ph.D., Iowa State University
Communication pedagogy

Lay, Mary M., Professor
Ph.D., University of New Mexico
Rhetoric of midwifery, gender and technical communication

Marchand, William M., Professor
Ph.D., University of Minnesota
History of ideas, conflict between science and religion

McDowell, Earl E., Professor
Ph.D., University of Nebraska, Lincoln
Technical communication apprehension; technical communication

Mikelonis Victoria M., Professor
Ph.D., Indiana University of Pennsylvania
Intercultural communication; design of training materials

Nichols, Ralph G., Professor Emeritus
Ph.D.
Listening and speech

Pearsall, Thomas E., Professor Emeritus
Ph.D., University of Denver
Technical communication

Philippson, Daniel J., Assistant Professor
Ph.D., University of Virginia
Environmental rhetoric

Savage, Edward B., Professor Emeritus
Ph.D., University of Minnesota
Literature/English

Scalan, Thomas M., Associate Professor
Ph.D., University of Minnesota
Landscape as index to cultural values; the prairie in American life

Schuelke, L. David, Professor Emeritus
Ph.D., Purdue University
Organizational communication

Wahlstrom, Billie J., Professor
Ph.D., University of Michigan
Virtual reality education—modules for distance delivery

Walser, Arthur E., Associate Professor
Ph.D., University of Minnesota
Rhetorical theory and criticism; 18th-century rhetorical theory

Wells, Donald E., Professor Emeritus
Ph.D.
Agricultural journalism

Wharton, W. Keith, Professor
Ph.D., Colorado State University
Managerial communication

Wright, Eugene, Professor Emeritus
Ph.D., University of Minnesota
Technical writing

### Soil, Water, and Climate

Allan, Deborah L., Associate Professor
Ph.D., University of California, Riverside
Management of roots and rhizosphere processes

Anderson, James L., Professor
Ph.D., University of Wisconsin, Madison
Sewage treatment, water quality, soil survey

Baker, Donald G., Professor Emeritus
Ph.D.

Bell, James C., Associate Professor
Ph.D., Pennsylvania State University
Soil classification/survey

Bloom, Paul R., Professor
Ph.D., Cornell University
Soil chemistry, environmental chemistry, soil mineralogy

Cheng, H.H., Professor and Head
Ph.D., University of Illinois
Soil biochemistry

* Cooper, Terence H., Professor
Ph.D., Michigan State University
Urban soils, turf grass, environmental education

Davis, Kenneth J., Assistant Professor
Ph.D., University of Colorado
Climatology/atmospheric science

Graham, Peter H., Professor
Ph.D., University of Wisconsin
Soil microbiology

Griep, David F., Professor
Ph.D., University of Minnesota
Forest vegetation, air pollutants, forest ecosystems, nutrients

Gupta, Satish Chander, Professor
Ph.D., Utah State University
Soil physics/management

Halbach, Thomas R., Professor
M.S., University of Wisconsin, Madison
Waste management/remediation

Lamb, John A., Associate Professor
Ph.D., University of Nebraska, Lincoln
Agricultural production management systems, soil properties

Larson, William E., Professor Emeritus
Ph.D.

Malzer, Gary L., Professor
Ph.D., Purdue University
Nitrogen, precision agriculture, water quality

Molina, Jean A., Professor
Ph.D., Cornell University
Carbon and nitrogen transformations in soil

Moncrief, John F., Professor
Ph.D., University of Wisconsin, Madison
Soil physics/tillage

Mulla, David J., Professor
Ph.D., Purdue University
Water quality, precision agriculture, risk assessment

Munter, Robert C., Associate Professor Emeritus
M.S., University of Minnesota

Nater, Edward A., Professor
Ph.D., University of California, Davis
Soil genesis/clay mineralogy

Reece, Clive F., Assistant Professor
Ph.D., Washington State University
Water and heat in the soil-plant-atmosphere system

Rehm, George W., Professor
Ph.D., University of Minnesota
Water quality, soil fertility, fertilizer management

Robert, Pierre C., Professor
Ph.D., University of Minnesota
Precision agriculture, land evaluation, decision support system

Rosen, Carl J., Professor
Ph.D., University of California
Soil science

Rust, Richard H., Professor Emeritus
Ph.D.

Sadowsky, Michael J., Professor
Ph.D., University of Hawaii, Manoa
Biodegradation, nitrogen fixation, molecular biology

Schmitt, Michael A., Associate Professor
Ph.D., University of Illinois
Fertilizer, nitrogen, manure

Seeley, Mark W., Professor
Ph.D., University of Nebraska, Lincoln
Climatology

### College of Architecture and Landscape Architecture

#### Administration

Thomas Fisher, Dean

Lance Neckar, Associate Dean for Curriculum and Academic Affairs

Ann Mayhew, Assistant Dean for Administration

Susan Danielson, Development Officer
Crag Johnson, Curator and Coordinator, CALA Service Unit

#### Faculty

In this faculty listing, R.A. designates licensure as a registered architect; R.L.A. designates licensure as a registered landscape architect; R.I.A. designates member, American Institute of Architects (a member of the A.I.A. must be a registered architect); F.A.I.A. designates fellow, American Institute of Architects; A.S.L.A. designates American Society of Landscape Architects, and F.A.S.L.A. designates fellow, American Society of Landscape Architects; A.I.C.P. designates member by examination of the American Institute of Certified Planners; and P.E. designates licensure as a professional engineer.

### Architecture

Adams, Robert, Lecturer
M.Arch., Southern California Institute of Architecture
Design

Albertsson, Christine, Lecturer (R.A.)
M.Arch., University of Pennsylvania
Residential design

Anderson, Lee, Associate Professor
Director of Graduate Studies, Department Head
M.Arch., University of Minnesota
Computer aids to design conception and presentation

Blanski, William, Lecturer (A.I.A.)
M.Arch., Yale University
Design, construction technology, architectural drawing

Buettow, Steve, Lecturer (A.I.A.)
B.Arch., University of Minnesota
Residential and historical architecture

Carmony, John, Senior Research Fellow
M.Arch., University of Minnesota
Technology

Chen, Arthur, Associate Professor
Ph.D., Georgia Institute of Technology
Architectural thinking, drawing, urbanism

Dayton, Megan, Lecturer
M.Arch., University of Virginia
Design, representation

deLaitre, Mary, Lecturer
M.Arch., University of Minnesota
Urban design, neighborhood development

Dimond, David, Lecturer (A.I.A.)
M.Arch., Virginia Polytechnic Institute and State University
Design, representation

Dittmar, Gunter, Associate Professor
M.Arch., Yale University
Architectural theory, design process

Dozier, James, Lecturer
B.Arch, Rice University
AutoCAD, design visualization, electronic imaging

Ferguson, Robert, Lecturer
M.Phil., Pembroke College of Cambridge
History and philosophy, design

Fisher, Thomas, Professor
M.I.S., Case Western Reserve University
Writing/communication, architectural criticism

Franck, Bruno, Adjunct Associate Professor
Ph.D., University of Minnesota
Architecture, structure, wood architecture

Fuller, Timothy, Adjunct Assistant Professor
M.Arch., University of Minnesota
Urban design, residential design and construction

Gawowski, Mary, Associate Professor
M.Arch., University of Washington
Environmental technology, sustainable design

Hansen, Todd, Lecturer
M.Arch., University of Pennsylvania
Design

Heshmati, Ali, Lecturer
B.Arch., University of Minnesota
Design

Jacques, Tracey, Lecturer (A.I.A.)
B.Arch., University of Minnesota
Representation

James, Vincent, Adjunct Assistant Professor (A.I.A.)
M.Arch., University of Wisconsin, Milwaukee
Building design and construction

Jara, Cynthia, Associate Professor (R.A.)
M.A., M.Arch., Columbia University
Design theory: historic reference

Kiewel, Harold, Lecturer (R.A.)
M.Arch., University of Minnesota
Accessibility

Krall, Carolyn, Lecturer (A.I.A.)
B.S., California State Polytechnic University, Pomona
Professional practice, design process

LaDouleur, Janis, Adjunct Assistant Professor (A.I.A.)
M.Arch., University of Minnesota, Milwaukee
Design
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Institution</th>
<th>Degree(s)</th>
<th>Field(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lammers, James</td>
<td>Lecturer (F.A.I.A.)</td>
<td>M.S., Columbia University</td>
<td>Design for health care, real-estate development</td>
<td></td>
</tr>
<tr>
<td>LaVine, Lance</td>
<td>Professor and Director of Undergraduate Studies</td>
<td>M.Arch., M.C.P., University of Pennsylvania</td>
<td>Technology and design, elemental form, philosophical premises</td>
<td></td>
</tr>
<tr>
<td>Mack, Robert</td>
<td>Adjunct Assistant Professor (F.A.I.A.)</td>
<td>B.Arch., University of Minnesota</td>
<td>Historic preservation and rehabilitation</td>
<td></td>
</tr>
<tr>
<td>Meyer, Thomas</td>
<td>Adjunct Associate Professor (F.A.I.A.)</td>
<td>B.Arch., University of Minnesota</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mullinger, Dale</td>
<td>Adjunct Professor (A.I.A.)</td>
<td>B.Arch., University of Minnesota</td>
<td>Architect Edwin Lundie, pattern language, wall sections</td>
<td></td>
</tr>
<tr>
<td>Parker, B. Aaron</td>
<td>Adjunct Assistant Professor (F.A.I.A.)</td>
<td>M.S., Columbia University</td>
<td>Architectural design, urban design</td>
<td></td>
</tr>
<tr>
<td>Petersen, Lars</td>
<td>Adjunct Assistant Professor (F.A.I.A.)</td>
<td>M.Arch., University of Minnesota</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Piotrowski, Andrzej</td>
<td>Associate Professor (R.A.)</td>
<td>M.I.Arch., Politechnika Warszawska, Poland</td>
<td>Visual studies, design, theory</td>
<td></td>
</tr>
<tr>
<td>Potts, Kenneth</td>
<td>Lecturer (A.I.A.)</td>
<td>M.Arch., University of Minnesota</td>
<td>Design</td>
<td></td>
</tr>
<tr>
<td>Quiigley, Timothy</td>
<td>Adjunct Assistant Professor (A.I.A.)</td>
<td>M.Arch., University of Minnesota</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remington, Todd</td>
<td>Lecturer (A.I.A.)</td>
<td>M.Arch., University of Minnesota</td>
<td>Design/build, philosophical premises</td>
<td></td>
</tr>
<tr>
<td>Rhoades, Todd</td>
<td>Adjunct Assistant Professor (R.A.)</td>
<td>M.Arch., Cranbrook Academy of Art, design</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Robinson, Julia</td>
<td>Professor (A.I.A.)</td>
<td>M.A., University of Minnesota</td>
<td>Housing, culture and architecture, design methods, representation</td>
<td></td>
</tr>
<tr>
<td>Rockcastle, Garth</td>
<td>Professor (F.A.I.A.)</td>
<td>M.Arch., Cornell University</td>
<td>Theory, urban design, professional ethics and practice</td>
<td></td>
</tr>
<tr>
<td>§ Tolleson, Lee</td>
<td>Adjunct Associate Professor (A.I.A.)</td>
<td>M.Arch., University of Pennsylvania</td>
<td>Design-related systems and materials, monastic architecture</td>
<td></td>
</tr>
<tr>
<td>§ Weeks, J. Stephen</td>
<td>Associate Professor (R.A.)</td>
<td>B.Arch., University of Minnesota</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weiner, Sara</td>
<td>Lecturer (R.A.)</td>
<td>M.Arch., University of Minnesota</td>
<td>Art, architecture</td>
<td></td>
</tr>
<tr>
<td>Weinstein, Joshua</td>
<td>Lecturer (R.A.)</td>
<td>B.Arch., Pratt Institute</td>
<td>Architectural and environmental design, hands-on approach to building</td>
<td></td>
</tr>
<tr>
<td>Wentzell, Mark</td>
<td>Adjunct Assistant Professor (R.A.)</td>
<td>M.Arch., University of Minnesota</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Whitcomb, Thomas</td>
<td>Lecturer (R.A.)</td>
<td>B.Arch., University of Minnesota</td>
<td>Design, architectural practice, modern architectural history</td>
<td></td>
</tr>
<tr>
<td>Wilkins, Craig</td>
<td>Adjunct Assistant Professor (R.A.)</td>
<td>M.R.E.U.P., Columbia University</td>
<td>Critical spatial theory, community design strategies, disciplinary social responsibility</td>
<td></td>
</tr>
<tr>
<td>Yoong, Jennifer</td>
<td>Lecturer (R.A.)</td>
<td>M.Arch., University of Minnesota</td>
<td>Urban revitalization, contemporary cities</td>
<td></td>
</tr>
<tr>
<td>■ Landscape Architecture</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Abbott, Dean</td>
<td>Adjunct Assistant Professor (A.I.C.P.)</td>
<td>M.L.A., Harvard University Graphics, art of design</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cartilage, Thora</td>
<td>Adjunct Assistant Professor (A.I.C.P.)</td>
<td>M.L.A., University of Minnesota</td>
<td>Master planning, design</td>
<td></td>
</tr>
<tr>
<td>Favour, Joseph</td>
<td>Lecturer (R.A.)</td>
<td>M.L.A., University of Minnesota</td>
<td>Art of design</td>
<td></td>
</tr>
<tr>
<td>Flynn, Kathe</td>
<td>Lecturer (R.A.)</td>
<td>M.L.A., Harvard University</td>
<td>Construction technology</td>
<td></td>
</tr>
<tr>
<td>Galatowitsch, Susan</td>
<td>Assistant Professor (A.S.L.A.)</td>
<td>Ph.D., Iowa State University</td>
<td>Wetland restoration</td>
<td></td>
</tr>
<tr>
<td>Kopischke, Greg</td>
<td>Teaching Specialist (B.L.A.)</td>
<td>B.L.A., University of Minnesota</td>
<td>Design for dwelling</td>
<td></td>
</tr>
<tr>
<td>Kuepe, John</td>
<td>Associate Professor and Department Head (R.L.A.)</td>
<td>M.L.A., University of Washington Graphics</td>
<td>native American design issues</td>
<td></td>
</tr>
<tr>
<td>Banaszak, Len</td>
<td>Professor (A. I.C.P.)</td>
<td>Ph.D., Loyola of Chicago</td>
<td>Protein design, structure and function, X-ray crystallography</td>
<td></td>
</tr>
<tr>
<td>McFadden, Kathryn</td>
<td>Lecturer (R.A.)</td>
<td>M.L.A., University of Minnesota</td>
<td>Design, ecological restoration</td>
<td></td>
</tr>
<tr>
<td>Murphy, Richard</td>
<td>Adjunct Associate Professor (A.I.A.)</td>
<td>M.A., Harvard University Professional practice</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Neckar, Lance</td>
<td>Professor (R.L.A.)</td>
<td>M.A., University of Wisconsin</td>
<td>Landscape architecture history and theory, urban design practice</td>
<td></td>
</tr>
<tr>
<td>Pitt, David G.</td>
<td>Professor (A.I.C.P.)</td>
<td>Ph.D., University of Arizona</td>
<td>Landscape perception, regional landscape research, GIS assessment</td>
<td></td>
</tr>
<tr>
<td>Sykes, Robert</td>
<td>Associate Professor (A.S.L.A., R.L.A.)</td>
<td>M.L.A., Harvard University</td>
<td>Surface water and transportation systems, design theory</td>
<td></td>
</tr>
<tr>
<td>Vogel, Mary</td>
<td>Senior Research Fellow (R.A.)</td>
<td>M.Arch., University of Minnesota</td>
<td>Community design and development</td>
<td></td>
</tr>
<tr>
<td>■ Design Center for American Urban Landscape</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Morrish, William</td>
<td>Director, Professor (A.I.C.P.)</td>
<td>M.A., University of Minnesota Urban design, planning, sustainable design</td>
<td></td>
<td></td>
</tr>
<tr>
<td>■ College of Biological Sciences</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administration</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Robert P. Elde</td>
<td>Dean</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kathryn Hanna</td>
<td>Assistant Dean</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Verna L. Holoman</td>
<td>Coordinator of Recruitment and Retention for the Life Sciences</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kathleen F. Peterson</td>
<td>Director of Student Services</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>■ Faculty</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>■ Department of Biochemistry, Molecular Biology, and Biophysics</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allwell, Norma</td>
<td>Professor</td>
<td>Ph.D., Yale University</td>
<td>Protein structure, function, design; mechanisms of biological regulation</td>
<td></td>
</tr>
<tr>
<td>Bardwell, Vivian</td>
<td>Assistant Professor (F.A.I.A.)</td>
<td>Ph.D., University of Wisconsin</td>
<td>Gene expression, cancer</td>
<td></td>
</tr>
<tr>
<td>Barry, Bridgette</td>
<td>Associate Professor (F.A.I.A.)</td>
<td>Ph.D., University of California, Berkeley</td>
<td>Photosynthetic membrane proteins</td>
<td></td>
</tr>
<tr>
<td>Bloomfield, Victor</td>
<td>Professor (F.A.I.A.)</td>
<td>Ph.D., University of Wisconsin</td>
<td>Molecular biophysics, structure and dynamics of DNA and proteins</td>
<td></td>
</tr>
<tr>
<td>Bolley, James</td>
<td>Professor (A.I.A.)</td>
<td>Ph.D., University of Hawaii</td>
<td>Mechanism and regulation of protein synthesis</td>
<td></td>
</tr>
<tr>
<td>Conti-Fine, Bianca</td>
<td>M.D., University of Milano</td>
<td></td>
<td>Molecular immunology; molecular medicine</td>
<td></td>
</tr>
<tr>
<td>Das, Anath</td>
<td>Professor (F.A.I.A.)</td>
<td>Ph.D., University of Nebraska, Lincoln College</td>
<td>Trans-kingdom DNA transfer: plant-microbe interactions</td>
<td></td>
</tr>
<tr>
<td>Dempsey, Mary</td>
<td>Professor (F.A.I.A.)</td>
<td>Ph.D., University of Minnesota</td>
<td>Lipoxygenase, cholesterol and protein chemistry</td>
<td></td>
</tr>
<tr>
<td>Eckers, Stephen</td>
<td>Assistant Professor (F.A.I.A.)</td>
<td>Ph.D., Johns Hopkins University</td>
<td>Determination of the animal body plan; eye patterning</td>
<td></td>
</tr>
<tr>
<td>Fickling, Michael</td>
<td>Professor (F.A.I.A.)</td>
<td>Ph.D., University of Wisconsin</td>
<td>Disease regulation, protein structure-function relationships; metabolic regulation</td>
<td></td>
</tr>
<tr>
<td>Goldberg, Nelson</td>
<td>Professor (F.A.I.A.)</td>
<td>Ph.D., University of Wisconsin</td>
<td>Microbial biochemistry; redox proteins; N-oxidation; microbial detoxification</td>
<td></td>
</tr>
<tr>
<td>Hogenkamp, Harry</td>
<td>Professor (F.A.I.A.)</td>
<td>Ph.D., University of California, Berkeley</td>
<td>Biochemistry; starvation-induced gene expression; immunoglobulin synthesis; ceramic bioseparation</td>
<td></td>
</tr>
<tr>
<td>Howard, James</td>
<td>Professor (F.A.I.A.)</td>
<td>Ph.D., Texas A&amp;M University</td>
<td>Gene expression; protein structure-function relationships; metabolic regulation</td>
<td></td>
</tr>
<tr>
<td>Koerner, James</td>
<td>Professor (F.A.I.A.)</td>
<td>Ph.D., Iowa State University</td>
<td>Neurotransmitters; neuronal signaling</td>
<td></td>
</tr>
<tr>
<td>Lange, Alex</td>
<td>Assistant Professor (F.A.I.A.)</td>
<td>Ph.D., Cornell University</td>
<td>Therapeutic intervention in diabetes using carbohydrate metabolism enzymes</td>
<td></td>
</tr>
<tr>
<td>LaPorte, David</td>
<td>Professor (F.A.I.A.)</td>
<td>Ph.D., University of Illinois</td>
<td>Gene expression; protein phosphorylation cascades</td>
<td></td>
</tr>
<tr>
<td>Lipscomb, John</td>
<td>Professor (F.A.I.A.)</td>
<td>Ph.D., University of Illinois</td>
<td>Oxygenase mechanisms, metalloproteins, magnetic resonance techniques, kinetics</td>
<td></td>
</tr>
</tbody>
</table>

445
Rubenstein, Irwin, Professor
Ph.D., University of California, Los Angeles
Structural organization and functional regulation of genes of the maize genome

Olszewski, Neil E., Associate Professor
Ph.D., University of Minnesota
Molecular genetics of fusarium head blight in wheat and barley

Silflow, Carolyn D., Professor
Ph.D., University of Georgia
Microtubule component of the cytoskeleton

* Biological Process Technology Institute
Brooker, Robert J., Professor
Ph.D., Yale University
Molecular biology of the lactose permease

Dean, Anthony W., Assistant Professor
Ph.D., Washington University School of Medicine
Population biology

Flickinger, Michael C., Professor
Ph.D., University of Wisconsin, Madison
Biocatalysis; starvation-induced gene expression; immunoglobulin synthesis; ceramic bioseparation

Sherman, David H., Associate Professor
Ph.D., Columbia University
Antibiotic biosynthesis in Streptomyces

Srienc, Friedrich, Professor
Ph.D., Technical University in Graz, Austria
Fermentation and biochemical engineering

Wackett, Lawrence P., Professor
Ph.D., University of Texas, Austin
Biodegradation, metalloenzymes, biotechnology

* Plant Genetics Institute
Barry, Bridgette A., Associate Professor
Ph.D., University of California, Berkeley
Photosynthetic membrane proteins

Berman, Judith G., Associate Professor
Ph.D., Weizmann Institute of Science
Chromosomes and chromosomal elements

Brambl, Robert M., Professor
Ph.D., University of Nebraska
Mitochondrial and nuclear gene function

Das, Anath, Professor
Ph.D., University of Nebraska, Lincoln
Trans-gondna DNA transfer: plant-microbe interactions

Doebley, John F., Professor
Ph.D., University of Wisconsin, Madison
Plant evolutionary genetics

Gantt, J. Stephen, Associate Professor and Interim Head
Ph.D., University of California, Irvine
Plant molecular biology

Gleason, Florence K., Professor
Ph.D., University of Iowa
Physiological function of thiorodoxin in cyanobacteria

* Koukaki, Willard L., Professor
Ph.D., University of New Hampshire
Biological oscillations and temporal organization of plant development

May, Georgiana, Associate Professor
Ph.D., University of California, Berkeley
Evolution of fungi; interactions with plants and their mating systems

May, Georgiana, Associate Professor
Ph.D., University of California, Berkeley
Evolution of fungi; their interactions with plants and their mating systems

Muehlbauer, Gary, Assistant Professor
Ph.D., University of Minnesota
Molecular genetics of Fusarium head blight in wheat and barley

Olszewski, Neil E., Associate Professor
Ph.D., University of Minnesota
Molecular genetics of fusarium head blight in wheat and barley

Phillips, Ronald L., Regents' Professor
Ph.D., University of Minnesota
Plant molecular genetics

Sadowsky, Michael, Professor
Ph.D., University of Hawaii
Bacterial genes involved in early periods of legume-microbe interactions

§ Schottel, Janet L., Professor
Ph.D., Washington University
mRNA stability; plant-pathogen interactions; gene expression

Silflow, Carolyn D., Professor
Ph.D., University of Georgia
Microtubule component of the cytoskeleton

Smith, Alan G., Associate Professor
Ph.D., University of Florida
Physiology and molecular genetics of plant development

§ Snustad, D. Peter, Professor
Ph.D., University of California, Davis
Components of the cytoskeleton in Arabidopsis

*§ Charvat, Iris D., Associate Professor
Ph.D., University of Nebraska
Myco/ntal associations; fungal development; seed bank dynamics in wetlands

Doebley, John F., Professor
Ph.D., University of Wisconsin, Madison
Plant evolutionary genetics

Frenkel, Albert W., Professor Emeritus
Ph.D., University of California, Berkeley
Photosynthesis and photophosphorylation in green plants and photosynthetic bacteria

Gantt, J. Stephen, Associate Professor and Interim Head
Ph.D., University of California, Irvine
Plant molecular biology

Gleason, Florence K., Professor
Ph.D., University of Iowa
Physiological function of thiorodoxin in cyanobacteria

* Koukaki, Willard L., Professor
Ph.D., University of New Hampshire
Biological oscillations and temporal organization of plant development

May, Georgiana, Associate Professor
Ph.D., University of California, Berkeley
Evolution of fungi; interactions with plants and their mating systems

McLaughlin, David J., Professor
Ph.D., University of California, Berkeley
Evolution and systematics of fungi, especially basidiomycetes

McLaughlin, David J., Professor
Ph.D., University of California, Berkeley
Evolution and systematics of fungi, especially basidiomycetes

May, Georgiana, Associate Professor
Ph.D., University of California, Berkeley
Evolution of fungi; their interactions with plants and their mating systems

Muehlbauer, Gary, Assistant Professor
Ph.D., University of Minnesota
Molecular genetics of fusarium head blight in wheat and barley

Olszewski, Neil E., Associate Professor
Ph.D., University of Minnesota
Molecular genetics of fusarium head blight in wheat and barley

Silflow, Carolyn D., Professor
Ph.D., University of Georgia
Microtubule component of the cytoskeleton

* Biological Process Technology Institute
Brooker, Robert J., Professor
Ph.D., Yale University
Molecular biology of the lactose permease

Dean, Anthony W., Assistant Professor
Ph.D., Washington University School of Medicine
Population biology

Flickinger, Michael C., Professor
Ph.D., University of Wisconsin, Madison
Biocatalysis; starvation-induced gene expression; immunoglobulin synthesis; ceramic bioseparation

Sherman, David H., Associate Professor
Ph.D., Columbia University
Antibiotic biosynthesis in Streptomyces

Srienc, Friedrich, Professor
Ph.D., Technical University in Graz, Austria
Fermentation and biochemical engineering

Wackett, Lawrence P., Professor
Ph.D., University of Texas, Austin
Biodegradation, metalloenzymes, biotechnology

* Plant Genetics Institute
Barry, Bridgette A., Associate Professor
Ph.D., University of California, Berkeley
Photosynthetic membrane proteins

Berman, Judith G., Associate Professor
Ph.D., Weizmann Institute of Science
Chromosomes and chromosomal elements

Brambl, Robert M., Professor
Ph.D., University of Nebraska
Mitochondrial and nuclear gene function

Das, Anath, Professor
Ph.D., University of Nebraska, Lincoln
Trans-gondna DNA transfer: plant-microbe interactions

Doebley, John F., Professor
Ph.D., University of Wisconsin, Madison
Plant evolutionary genetics

Gantt, J. Stephen, Associate Professor
Ph.D., University of California, Irvine
Gene expression in plants

Gengenbach, Burle G., Professor
Ph.D., University of Illinois
Molecular genetics of developmental and biochemical processes

Lefebvre, Paul A., Professor
Ph.D., Yale University
Flagell protein assembly in Chlamydomonas

Marks, M. David, Associate Professor
Ph.D., Purdue University
Control of cell fate and differentiation in plants

May, Georgiana, Associate Professor
Ph.D., University of California, Berkeley
Evolution of fungi; their interactions with plants and their mating systems

Muehlbauer, Gary, Assistant Professor
Ph.D., University of Minnesota
Molecular genetics of fusarium head blight in wheat and barley

Olszewski, Neil E., Associate Professor
Ph.D., University of Minnesota
Molecular genetics of fusarium head blight in wheat and barley

Silflow, Carolyn D., Professor
Ph.D., University of Georgia
Microtubule component of the cytoskeleton

Smith, Alan G., Associate Professor
Ph.D., University of Florida
Physiology and molecular genetics of plant development

§ Snustad, D. Peter, Professor
Ph.D., University of California, Davis
Components of the cytoskeleton in Arabidopsis

Somers, David A., Professor
Ph.D., Washington State University
Biochemical genetics of plants

Sazbo, Les, Adjunct Assisstant Professor
Ph.D., Oregon State University
Molecular genetics in host-parasite interactions of rust diseases on small cereal grains

Vance, Carroll P., Professor
Ph.D., Ohio State University
Biochemistry and molecular biology of N2 fixation and N assimilation; plant molecular adaptations to phosphorous stress

Young, Nevin D., Professor and Director
Ph.D., Yale University
Genetics of plant-microbe interactions and plant genomics

General Biology Program and Instructional Laboratories
John S. Anderson, Director of General Biology

Mark Decker, Assistant Education Specialist

Bruce Fall, Associate Education Specialist

Richard Peifer, Education Specialist

Jane Phillips, Coordinator of CBS Instructional Labs

Contributing Faculty From Other University Units

* Microbiology—Medical School
Andersen, Dwight L., Professor
Ph.D., University of Minnesota
Bacillus subtilis bacteriophage Ø29 morphogenesis

Armstrong, Sandra, Assistant Professor
Ph.D., University of Missouri, Columbia
Iron acquisition and gene regulation in Bordetella pertussis

Bey, Russell, Associate Professor
Ph.D., University of Minnesota
Pathogenic mechanisms and immunology

Cleary, P. Patrick, Professor
Ph.D., University of Rochester, New York
Molecular genetics of streptococcal cell-surface antigens

Conklin, Kathleen F., Associate Professor
Ph.D., Tufts University
Retroviruses, oncogenesis, and gene regulation

Deyrup, Gary, Professor
Ph.D., University of Michigan
Molecular biology of conjugative gene transfer in gram-positive bacteria

Dworkin, Martin, Professor
Ph.D., University of Texas, Austin
Contact-mediated cell-cell interactions and developmental biology of Myxococcus xanthus

Faras, Anthony, Professor
Ph.D., University of Colorado
Tumor viruses, oncogenesis, and gene transfer

Germaine, Gregory, Professor
Ph.D., University of Minnesota
Human oral bacteria

Haae, Ashley T., Professor and Head
M.D., Columbia College of Physicians and Surgeons
HIV pathogenesis

Hanson, Richard S., Professor
Ph.D., University of Illinois, Urbana
Ecology, biochemistry, and genetics of methylotrophic bacteria

Jemmerson, Ronald, Associate Professor
Ph.D., Northwestern University
b-cell and antibody recognition of protein antigens

Jenkins, Marc K., Professor
Ph.D., Northwestern University
Activation requirements of helper T lymphocytes

Johnson, Russell C., Professor
Ph.D., University of Wisconsin, Madison
Lyme disease host-parasite interactions

McKay, Larry L., Professor
Ph.D., Oregon State University
Plasmodium biology, genetics, and applications of lactic acid bacteria

Mhyr, Christian, Assistant Professor
Ph.D., University of Texas, San Antonio
Flagellar export and assembly in C. crescentus and B. cepacia

Plagemann, Peter G. W., Professor
Ph.D., Case Western Reserve University
Mechanisms of viral infections, and modulation by host immune responses

* Rogers, Palmer, Professor
Ph.D., Johns Hopkins University
Mechanisms of regulation of fermentation pathways, and development of Clostridium

Sadowsky, Michael, Professor
Ph.D., University of Hawaii
Soil microbiology, and Rhizobium and Brachyribizium-host interactions

Schnfs, Leslie A., Associate Professor
Ph.D., Tufts University
Virus-host cell interactions and viral protein structure-function
Schlievert, Patrick M., Professor
Ph.D., University of Iowa
Immunobiology, and genetic control of staphylococcal and streptococcal pyrogenic toxins

Sherman, David H., Associate Professor
Ph.D., Columbia University
Antibiotic biosynthesis in Streptomyces

Southern, Peter J., Associate Professor
Ph.D., Edinburgh University
Molecular basis of persistent virus infection and virus-induced disease

Watson, Dennis W., Regents' Professor Emeritus
Ph.D., University of Wisconsin, Madison
Immunobiology

Ziegler, James F., Professor
Ph.D., University of Rochester, New York
Microbial genetics

- Neuroscience—Medical School

Ashe, James, Associate Professor
M.D., University College Dublin, Ireland
Neuroendocrine control of movement

Boland, Linda M., Assistant Professor
Ph.D., University of North Carolina, Chapel Hill
Molecular physiology of ion channels

Carroll, Marilyn E., Professor
Ph.D., Florida State University
Behavioral pharmacology and drug dependence

Ehren, Timothy J., Professor and Head
M.D., Ph.D., University of Minnesota
Neurophysiology of cerebellum and motor cortex

Elde, Robert P., Professor
Ph.D., University of Minnesota
Central and peripheral nervous systems

El-Fakahany, Esmail, Professor
M.D., Mayo Graduate School of Medicine
Receptor regulation; receptor coupling to second messengers; aging; Alzheimer's disease; nitric oxide

Flanders, Martha, Associate Professor
Ph.D., Michigan State University
Neural control of movement

Georgopoulos, Apostolos P., Professor
M.D., Ph.D., University of Athens School of Medicine
Neurophysiology of motor function and cognition

Giesler, Jr., Glenn J., Professor
Ph.D., University of California, Los Angeles
Somatic sensory processing; pain

Gomez, Christopher M., Associate Professor
M.D., Ph.D., University of Chicago
Ion channel disorders and neurodegenerative disease

Honda, Christopher N., Associate Professor
Ph.D., University of North Carolina, Chapel Hill
Anatomical and physiological bases of somesthesis, with emphasis on mechanisms of pain

Hsiao, Karen K., Associate Professor
M.D., Harvard Medical School, Ph.D., Massachusetts Institute of Technology
Molecular biology of aging and dementia; in vivo and in vitro studies

Idencoloca, Costantino, Professor
M.D., University of Rome Medical School
Neurobiology of cerebral circulation

Kajander, Keith C., Associate Professor
D.D.S., Ph.D., University of Minnesota
Spinal nociceptive pathways in normal and neuropathic conditions

Larson, Alice A., Professor
Ph.D., University of Minnesota
Neurochemical mediation of pain transmission (substance P excitatory amino acids nitric oxide neuropeptides)

Letourneau, Paul C., Professor
Ph.D., Stanford University
Developmental neurobiology

Levine, Allen S., Professor
Ph.D., University of Minnesota
Energy intake and energy expenditure

Mantyh, Patrick W., Professor
Ph.D., University of California, San Francisco
Cellular and molecular neurobiology

McLoun, Linda K., Associate Professor
Ph.D., University of Illinois, Chicago
Neuro-ophthalmology; muscle development, injury, and regeneration

McLoun, Steven C., Professor
Ph.D., University of Illinois, Chicago
Development and regeneration of axonal connections

Mesce, Karen A., Associate Professor
Ph.D., University of Oregon, Eugene
Neural systems and neurodevelopment

Newman, Eric A., Professor
Ph.D., Massachusetts Institute of Technology
Physiology and functions of glial cells

Peppele, Richard E., Professor
Ph.D., University of Minnesota
Neuropathology and motor control

Ross, M. Elizabeth, Associate Professor
M.D., Ph.D., Cornell University Medical College
Molecular neurodevelopment; molecular events determining cell fate and organization in mammalian brains

Santi, Peter A., Professor
Ph.D., Florida State University
Functional anatomy of the inner ear

Seybold, Virginia S., Professor
Ph.D., University of Minnesota
Neuromodulation; neuropharmacology; pain; autonomic nervous system; neuroendocrinology

Simone, Donald A., Associate Professor
Ph.D., City University of New York
Neural mechanisms of pain sensation

Soechting, John F., Professor
Ph.D., Cornell University
Motor control and neurophysiology

Sorenson, Peter W., Professor
Ph.D., University of Rhode Island
Neural and endocrine bases of chemoception, especially in fish

Sparber, Sheldon B., Professor
Ph.D., University of Minnesota
Neuropsychopharmacology

Ugurlu, Kamil, Professor
Ph.D., Columbia University, New York
Metabolic and functional imaging in the brain using magnetic resonance

Wessendorf, Martin W., Associate Professor
Ph.D., University of Illinois, Chicago
Brainstem control of spinal function; methods in fluorescence microscopy

Wilcox, George L., Professor
Ph.D., University of Colorado, Boulder
Psychotherapeutic toxicity; pain transmission; drugs of abuse

School of Dentistry and Division of Dental Hygiene

Administration
Michael J. Till, D.D.S., Ph.D., Dean, School of Dentistry
Kathleen J. Newell, R.D.H., Ph.D., Director, Division of Dental Hygiene

Faculty
§ Dittmar, Susan, R.D.H., Clinical Dental Specialist
B.S., University of Iowa, Iowa City
Preclinical/clinical dental hygiene, biomaterials, local anesthesia

§ Ingebritson Ellsfon, Marilyn H., R.D.H., Clinical Dental Specialist
M.A., University of Minnesota
Preclinical/clinical dental hygiene, patient counseling, continuing education

Newell, Kathleen J., R.D.H., Associate Professor
Ph.D., University of Minnesota
Writing in the curriculum, ethics, diversity, domestic violence

§ Osborn, Joy B., R.D.H., Associate Professor
M.A., University of Minnesota
Periodontology, preclinical and advanced instrumentation, ergonomics

Stoltenberg, Jill L., R.D.H., Associate Professor
M.A., University of Minnesota
Periodontal diseases, dental caries, fluoride, clinical dental hygiene

Young, Lynda J., R.D.H., Associate Professor and Director, Continuing Dental Education
M.A., University of Minnesota
Continuing dental education

College of Education and Human Development

Administration
Steven R. Yussen, Dean
Robert C. Sarfass, Associate Dean for Academic Affairs

Mary L. Bents, Assistant Dean, Director of Student & Professional Services

Fred N. Finley, Chair, Department of Curriculum and Instruction

To be announced, Chair, Department of Educational Psychology

James C. Hearn, Chair, Department of Educational Policy and Administration

Jane E. Pilhai, Chair, Department of Work, Community, and Family Education

Michael G. Wade, Director, School of Kinesiology and Leisure Studies

To be announced, Director, Institute of Child Development

- Curriculum and Instruction

Avery, Patricia, Associate Professor
Ph.D., Emory University
Social studies education, history of American education, political education

§ Beach, Richard W., Professor
Ph.D., University of Illinois
English education

Bugey, JoAnne, Lecturer
Ph.D., University of Washington
Elementary education, social studies education

Carrier, Carol A., Professor
Ph.D., Syracuse University
Instructional design variables, including learner characteristics

Ceglowksi, Deborah, Assistant Professor
Ph.D., University of Illinois, Urbana-Champaign
Early childhood education

§ Corbo, John, Professor
Ph.D., The Ohio State University
Elementary education, social studies education

DiBlasio, Margaret, Associate Professor
Ph.D., The Ohio State University
Art education

Finley, Fred, Associate Professor
Ph.D., Michigan State University
Science education, environmental education

Freedman, Kerry J., Professor
Ph.D., University of Wisconsin, Madison
Curriculum studies, art education

Galda, Lee, Professor
Ph.D., New York University
Children's literature, response to literature

Graves, Michael F., Professor
Ph.D., Stanford University
Reading and English education

Heller, Patricia A., Associate Professor
Ph.D., University of Michigan
Elementary and science education

Hooper, Simon R., Associate Professor
Ph.D., Pennsylvania State University
Instructional systems and technology

Johnson, Roger T., Professor
Ph.D., University of California, Berkeley
Elementary and science education, cooperative learning

Lambrecht, Judith, Professor
Ph.D., University of Wisconsin
Computer technology, accounting methods, office and economic education

Lawrence, Frances, Professor
Ph.D., University of Minnesota
Science education, evaluation

Manning, John, Professor
Ed.D., Boston University
Elementary education, literacy education

Narvaez, Dacia F., Assistant Professor
Ph.D., University of Minnesota
Moral development, multicultural education

§ Phinney, Margaret, Assistant Professor
Ed.D., University of Massachusetts
Early literacy education

Post, Thomas R., Professor
Ph.D., Indiana University
Elementary education, mathematics education

Taylor, Barbara M., Professor
Ed.D., Virginia Polytechnic Institute and State University
Literacy education, reading difficulties

Tedin, Diane J., Associate Professor
Ph.D., The Ohio State University
Second languages and cultures education
Pick, Anne D., Professor
Ph.D., Cornell University
Perceptual development, cognitive processes

Pick, Jr., Herbert L., Professor
Ph.D., Cornell University
Perceptual development, learning

Sera, Maria D., Associate Professor
Ph.D., Indiana University
Cognitive and linguistic development

Sroufe, L. Alan, Professor
Ph.D., University of Wisconsin
Socioemotional development, developmental psychopathology

§ Weinberg, Richard A., Professor
Ph.D., University of Minnesota
Behavior genetics, assessment, preschool education

Yonas, Albert, Professor
Ph.D., Cornell University
Perceptual development

Yussen, Steven R., Professor
Ph.D., University of Minnesota
Learning

Adjoint Faculty

Borchardt, Carrie M., Professor
M.D., University of Nebraska College of Medicine
Child and adolescent depression

Blyth, Dale, Professor
Ph.D., University of Minnesota
Youth development

Christenson, Sandra, Associate Professor
Ph.D., University of Minnesota
Family-school partnerships, family learning environments

Grotevant, Harold D., Professor
Ph.D., University of Minnesota
Adolescent development, family relationships, adoptive families, family assessment

Hupp, Susan C., Professor
Ph.D., University of Illinois
Social behavior, personality development

Leon, Gloria, Professor
Ph.D., University of Maryland
Eating disorders, stress and coping health psychology

Luciana, Monica, Assistant Professor
Ph.D., University of Minnesota
Neuropsychology, cognitive psychology

McConnell, Scott, Professor
Ph.D., University of Oregon
Early childhood development

Oberg, Charles, Associate Professor
M.D., University of Minnesota
Child and family policy

Shapiro, Elsa G., Associate Professor
Ph.D., University of Minnesota
Neurology

Tellegen, Auke, Professor
Ph.D., University of Minnesota
Personality assessment, personality theory, hypnotisability, behavior genetics

Thomas, Ruth G., Professor
Ph.D., University of Minnesota
Teaching and learning cognitive theory, parent-child relations

§ van den Broek, Paulus, Professor
Doctoraals, University of Leiden, The Netherlands; Ph.D., University of Chicago
Learning, cognition

Warren, Susan L., Assistant Professor
M.D., Brown University
Emotional development of young children

Williams, Carolyn L., Associate Professor
Ph.D., University of Georgia
Health care psychology

Kinesiology and Leisure Studies

§ Burton, Allen W., Associate Professor
Ph.D., University of Oregon
Adapted physical education, motor development, movement skill assessment

Hancock, Peter A., Professor
Ph.D., University of Illinois
Human factors, study of time, motor behavior and performance

Konczak, Jurgen, Assistant Professor
Ph.D., University of Wisconsin
Neuromotor control, biomechanics of coordination, pathokinesiology, developmental kinesiology

Kroete, March L., Associate Professor
Ph.D., University of Pittsburgh
Psychology, sociology, international and comparative dimensions of sport

Leon, Arthur S., Professor
M.D., University of Wisconsin
Exercise physiology, physical activity’s role in chronic disease

Pickert, Robert P., Assistant Professor
M.A., University of South Dakota
Physical activity programming, management, coaching, undergraduate advising

Serfass, Robert C., Associate Professor
Ph.D., University of Minnesota
Exercise physiology, sport training, fitness, sports nutrition

Spletzer, Elizabeth, Education Specialist
M.S., Eastern Michigan University
Pedagogy, biomechanics

Wade, Michael G., Professor
Ph.D., University of Illinois
Motor skill development, human factors, developmental disabilities, aging

Wise-Bjomstal, Diane M., Associate Professor
Ph.D., University of Oregon
Sport psychology, youth sport, psychology of sport injury

Recreation, Park, and Leisure Studies

Anderson, Bruce, Associate Professor
Ph.D., University of Minnesota
Recreational sports, sports facility management

Busye, JoAnn, Lecturer
Ph.D., University of Minnesota
Gender issues in sport, social psychology of sport

Kauffman, Mary Jo, Professor
Ph.D., University of Illinois
Social-psychological parameters of sport/physical activity, women in sports

McAvoy, Leo, Professor
Ph.D., University of Minnesota
Outdoor recreation programs and resources, park planning and management

Tabourne, Carla, Associate Professor
Ph.D., New York University
Recreation therapy, geriatrics, intergenerational programming, comprehensive program and patient management

Music Education

Furman, Charles E., Associate Professor
Ph.D., Florida State University
Music therapy, music education, psychology of music

Haack, Paul A., Professor
Ph.D., University of Wisconsin
Music education, psychology and sociology of music, aesthetics

McCoy, Claire W., Associate Professor
Ph.D., University of Iowa
Music education, curricular development, interdisciplinarity and movement-based methods, measurement

Schutz, Stephen W., Associate Professor
Ph.D., Northwestern University
Music education, historical aspects, instrumental methods, computers in music

Work, Community, and Family Education

Brown, James M., Professor
Ph.D., Bowling Green State University
Special learning needs, diversity in education and work settings

Copa, George H., Professor
Ph.D., University of Minnesota
Aims and curriculum of work, community, family education

Joeger, Richard, Assistant Professor
Ph.D., University of Minnesota
Agricultural, food, and environmental education

Jones, Stephan P., Associate Professor
Ph.D., Iowa State University
Agricultural education and extension, extension education

Krueger, Richard A., Professor
Ph.D., University of Minnesota
Program evaluation, focus group interviews

Lambrecht, Judith, Professor
Ph.D., University of Wisconsin
Business teacher education, instructional use of business software

Leske, Gary W., Associate Professor
Ph.D., University of Minnesota
Experiential education, leadership development

Lewis, Theodore, Professor
Ph.D., The Ohio State University
Technology education curriculum, technology and work, workplace literacy

McClelland, Jerry, Associate Professor
Ph.D., Iowa State University
Family education, parent education

§ Meenan, Nancy, Professor
Ph.D., Columbia University
International management development, organizational quality and productivity, keyboarding

Park, Rosemarie J., Professor
Ed.D., Harvard University
Adult literacy education, workplace literacy, women’s issues

§ Peterson, Roland L., Professor
Ed.D., University of Nebraska
Integration of vocational and academic education, curricular development, decision-case development

Peterson, Shari L., Assistant Professor
Ph.D., University of Minnesota
Adult education, human resource development, career decision-making

§ Plilial, Jane E., Associate Professor
Ph.D., University of Chicago
Research methodology, integration of vocational and academic education, international education

Pucel, David J., Professor
Ph.D., University of Minnesota
Education and training systems

Rohde, Nancy J., Assistant Professor
M.A., University of Minnesota; C.A.S., University of Wisconsin
Distance education, continuing education for adults

Rossman, Marilyn Martin, Associate Professor
Ph.D., University of Minnesota
Family life education, parent education, sexuality education, work and family relationships

Stone III, James R., Associate Professor
Ed.D., Virginia Polytechnic Institute and State University
Education and work transitions for youth and adults, work-based learning

Swanson, Richard A., Professor
Ed.D., University of Illinois
Human resource development, cost-benefit analysis, performance improvement

Thomas, Ruth G., Professor
Ph.D., University of Minnesota
Thinking, learning, and teaching in context of everyday life

Youth Development Leadership

Cooperating Faculty

Baizerman, Michael, Professor
Ph.D., University of Pittsburgh
Everyday lives of youth; comprehensive work, community, and family education

McAvoy, Leo H., Professor
Ph.D., University of Minnesota
Recreation, outdoor education, adventure training

Schneider, Byron J., Associate Professor
Ph.D., University of Chicago
Education and youth policy

Walker, Joyce A., Professor
Ph.D., University of Minnesota
Community youth organizations, youth policy, youth development leadership

General College

Administration

David V. Taylor, Dean

§ Marjorie K. Cowmeadow, Associate Dean and Director of Student Services

Terence G. Collins, Director of Academic Affairs and Curriculum

Barbara R. Foster, Senior Administrative Director

Faculty

Adamson, William Delancey (Del), Associate Professor
Ph.D., University of Minnesota
Literature, world religions, film and the arts

* Albrecth, Lisa D., Associate Professor
Ph.D., State University of New York at Buffalo
Freshman writing, women’s literature, women’s studies

* Amram, Fred M.B., Professor
M.A., University of Minnesota
Speech communication, creativity
and Dean

Basic writing, hip-hop

Human development, marriage and family

Business studies, accounting

Kroll, Patrick A., Associate Professor
Mathematics, mathematical learning of

Professor
Mathematics education
Ph.D., University of Minnesota

Kinney, Donald Patrick, Assistant
General legal studies, government and

Law in society, anthropology
Ph.D., University of Minnesota, J.D.,

Johnson, Fred A., Associate Professor

weather
Ph.D., University of Minnesota

*§ Hatch, Jay T., Associate Professor
Ph.D., University of Minnesota

Conservation biology, environment, natural history, aquatic ecology

Higbee, Jeanne L., Associate Professor
Ph.D., University of Wisconsin, Madison

Developmental education

natural history, aquatic ecology
Conservation biology, environment,

Ph.D., University of Minnesota

Developmental education

American history, world history, native American history, economics

Gidmark, Jill B., Professor
Ph.D., University of Minnesota

American literature, multicultural/

women’s literature, sea literature, writing

*§ Johnson, Allen B., Associate Professor
Ph.D., University of Minnesota

Physical science, natural environment and weather

Johnson, Fred A., Associate Professor
Ph.D., University of Minnesota

Norman, David Dakota American literature, multicultural/

women’s literature, sea literature, writing

Administration

Mary E. Heltsley, Dean

Daniel Detzner, Associate Dean of Academic Affairs

Catherine Solheim, Associate Dean for Extension

Beth Emshoff, Director, Continuing Education and Professional Development

Katherine Maple, Director, Academic Student Services

Sara Nagel, Director, Career Services

John Sonnack, Director, Information Technology

Program Committee Chairpersons
Karen LaBat—Clothing Design
Barbara Martinson—Graphic Design
William Goodman—Family Social Science
Zata Vickers—Food Science
Becky Love Yust—Housing Studies
Denise Guerin—Interior Design
Elaine Asp, Louise Mullan—Nutrition
Kim Johnson—Retail Merchandising

Faculty

■ Design, Housing, and Apparel

Angell, William J., Professor, Extension Specialist
M.S., Iowa State University

Indoor air quality and radon, building performance/durability

Boyd-Brent, James, Lecturer
M.F.A., University of Minnesota

Drawing, design materials, cultural variations in popular aesthetics

Bye, Elizabeth, Lecturer
Ph.D., University of Minnesota

Textile product development, computer-aided design, sizing/fit

Chu, Sauman S., Assistant Professor
Ph.D., University of Minnesota

Multiculturalism/design education, cross-cultural differences in design

DeLong, Marilyn R., Buckman
Professor of Design Education
Ph.D., The Ohio State University

Aesthetics and socio-psychological aspects of clothing

Eicher, Janne B., Regents’ Professor
Ph.D., Michigan State University

Dress as communication, art form, and identity

Gahrning, Sherry A., Assistant Professor, Extension Specialist
M.S., Iowa State University

Protective clothing, special needs; textile/apparel business development

Ginther, Delores A., Assistant Professor, Director of Undergraduate Studies
M.A., University of Minnesota

Lighting design, environmental issues, life safety in design

Goetz, Edward G., Associate Professor
Ph.D., Northwestern University

Government housing policies, nonprofits’ role in housing production

* Guerin, Denise A., Professor
Ph.D., Michigan State University

Environmental/energy issues in design of interior environments

Hokanson, Brad, UC Coordinator
M.Arch.U.D., Harvard University

Computer interface design, speech synthesis, generated poetry, imaging

Johnson, Kim K. P., Professor, Director of Graduate Studies
Ph.D., University of Wisconsin, Madison

Social psychology of dress, consumer behavior, and retailing

LaBat, Karen L., Associate Professor
Ph.D., University of Minnesota

Textile product analyses, user group psychological/physical needs

Martinson, Barbara E., Assistant Professor
Ph.D., University of Minnesota

Information design/communication theory/visual literacy/aesthetic issues

McCarthy, Steven, Associate Professor
M.F.A., Stanford University

Artist’s books, interactive multimedia, design history

Olson, Wanda W., Professor
M.S., University of Minnesota

Housing technology and user needs and practices

Shen, Lindsay, Director, The Goldstein Museum of Design
Ph.D., University of St. Andrews, Scotland

History, furniture/decorative arts, regional/vernacular material culture

Williams, Gloria M., Associate Professor
Ph.D., University of Minnesota

History of interiors, learning styles, vernacular material culture

Yahnke, Robert E., Professor
Ph.D., University of Wisconsin, Madison

Film, humanities, and the arts, with emphasis in aging

Ph.D., University of Minnesota

Human studies

Family and Administration

■ The Goldstein Museum of Design

Lindsay Shen, Director

DeLong, Costume Curator

Gloria Williams, Textiles Curator

■ Family Education

McClelland, Jerry, Associate Professor
Ph.D., Iowa State University

Parent, family and teacher education; alternative research methods

Ph.D., University of Chicago

Family and teacher education; research theory; alternative research methods

Schools, Marilyn, Associate Professor
Ph.D., University of Minnesota

Parenting and parent education; work and family relationships

Thomas, Ruth, Professor
Ph.D., University of Minnesota

Higher-order thinking skills; teacher and parent education

■ Family Social Science

Bauer, Jean, Professor
Ph.D., University of Illinois, Champaign-Urbana

Family economic well-being, welfare reform, family policy

Bos, Pauline, Professor
Ph.D., University of Wisconsin, Madison

Madison Family stress, ambiguous loss, family caregiving, immigrant families

Caron, Wayne, Lecturer
Ph.D., University of Minnesota

Family gerontology, aging families, family relationships

Danis, Sharon, Professor
Ph.D., Iowa State University

Family financial issues, family businesses, work and family

* Detzner, Daniel, Professor
Ph.D., University of Minnesota

Aging families, refugee families, bi-cultural parent education

Doherty, William, Professor
Ph.D., University of Connecticut

Family relationships, marriage and family therapy, fatherhood, ethics

Goodman, William J., Adjunct Associate Professor, Coordinator
Ph.D., Purdue University

Undergraduate education, field study supervision, diversity issues

Grotewaard, Harold D., Professor
Ph.D., University of Minnesota

Adoptive families, adolescent development, identity development, family assessment

Heltsley, Mary E., Professor
Ph.D., Pennsylvania State University

Leadership, human resource development, gender roles, family policy

Hogan, M. Janice, Professor, Head
Ph.D., Michigan State University

Decision making, financial issues, resource management, family ecology

Macy, Janet, Associate Professor
M.S., Kansas State University

Communication, use of media, cultural diversity

Phipps, John, Professor
Ph.D., University of Chicago

Sexuality in families, marital and family therapy, ethics

Taylor, David V., Associate Professor and Dean
Ph.D., University of Minnesota

History, history of African people

Ph.D., University of Minnesota

History, history of African people

451
Olson, David H., Professor
Ph.D., Pennsylvania State University
Marital and family assessment, family strengths and diversity

Rettig, Kathryn, Professor
Ph.D., Michigan State University
Justice issues, family decision-making, legal-ethical conflicts

* Rosenblatt, Paul C., Professor
Ph.D., Northwestern University
Family loss, business families, family diversity, family theory

Stum, Marlene, Associate Professor
Ph.D., University of Wisconsin
Family resources, business families, family diversity, family theory

Tubbs, Carolyn, Assistant Professor
Ph.D., Purdue University
Marriage and family therapy, black families, narrative research

Zimmerman, Shirley, Professor
Ph.D., University of Minnesota
Family policy, state expenditures, families in political context

Zuiker, Virginia S., Assistant Professor
Ph.D., The Ohio State University
Family resources, home-based employment, Hispanic family economics

** Alcohol and Drug Counseling Education Program **

Colgan, Philip, Adjunct Assistant Professor, Director
Ph.D., University of Minnesota
Chemical dependency, human sexuality, counselor education

Peter Dimock, Assistant Continuing Education Specialist
M.S.W., University of Minnesota
Alcohol and drug counseling, sexual abuse, men’s sexuality

** Food Science and Nutrition **

Addis, Paul B., Professor
Ph.D., Purdue University
Lipid oxidation, fatty acids, atherosclerosis, food chemical toxicology

Asp, Elaine H., Associate Professor
Ph.D., University of Minnesota
Physical/chemical characteristics of cereal, cereal-based products

Bastian, Eric D., Associate Professor
Ph.D., Utah State University
Food proteins/enzymes, applications to milk/dairy systems

Brad, Linda J., Professor
Ph.D., Michigan State University
Effects of diet on intestinal microflora and health

Busta, Frank F., Professor
Ph.D., University of Illinois, Urbana
Factors affecting survival/growth of bacteria in food

Csallany, A. Saari, Professor
D.Sc., University of Technical Science; Budapest, Hungary
Lipid chemistry, nutritional biochemistry, free radicals, oxidative degradation

Darling, Mary E., Assistant Professor
Ph.D., University of Minnesota
Community nutrition, cross-cultural nutrition education, nutrition: elderly, economical

Feirtag, Joellen M., Assistant Professor
Ph.D., University of Minnesota
Food safety/HACCP, ATP bioluminescence, prebiotic/probiotic physiology

* Fulcher, R. Gary, Professor
Ph.D., Monash University
Structure/function relationships in cereal grains/cereal products

Gallaher, Daniel D., Associate Professor
Ph.D., University of California, Davis
Diet/cancer relationships, fat/fiber in diet

Hanson, Madge N., Assistant Professor
M.S., University of Minnesota
Medical nutrition therapy

Hassel, Craig A., Associate Professor
Ph.D., University of Arizona
Saturated fatty acids/dietary fiber on cholesterol metabolism

Hutchins, Andrea M., Assistant Clinical Specialist
M.S., University of Minnesota
Nutrition support, nutrition education, medical nutrition therapy, phytosterogens

Kurzer, Mindy S., Associate Professor
Ph.D., University of California, Berkeley
Dietary regulation of hormones, phytosterogens, diet and cancer

* Labuzza, Theodore P., Professor
Ph.D., Massachusetts Institute of Technology
Shelf life deterioration of foods, moisture transport

McKay, Larry L., Professor
Ph.D., Oregon State University
Food fermentations/genetics/biotechnology of lactic acid bacteria

Mullan, Jr., Louise M., R.D., L.D., Assistant Professor
Ph.D., University of College Cork, Ireland
Molecular genetics of lactic acid bacteria, bacteriophage resistance

O’Sullivan, Daniel J., Assistant Professor
Ph.D., University of Minnesota
Acceptability and consumption of foods in institutional settings

Reinicius, Gary A., Professor
Ph.D., Pennsylvania State University
Analysis of food flavors, losses during spray drying

Sapakje, Sidney F., Senior Fellow
M.B.A., University of Minnesota
Product development, food processing

Schafer, H. William, Associate Professor
Ph.D., University of Wisconsin, Madison
Food safety/quality; naturally occurring antimicrobial compounds/antioxidants

Schmid, Mary K., Lecturer
Ph.D., Cornell University
Food chemistry, biochemistry, human nutrition

Slavin, Joanne L., Professor
Ph.D., University of Wisconsin
Dietary fiber, diet/cancer/exercise, human feeding studies

Smith, Cheryl F., Assistant Professor
Ph.D., Indiana University
Domestic and international community nutrition issues

Smith, David E., Professor
Ph.D., University of Wisconsin
Effects of technology/new ingredients on dairy products

Tatini, Sita R., Professor
Ph.D., University of Minnesota
Control food borne pathogens, use of natural antimicrobials

Vickers, Zata M., Professor
Ph.D., Cornell University
Preferences/acceptability of foods, attributes and food preferences

Warthesen, Joseph J., Professor, Head
Ph.D., Oregon State University
Chemical reactions in food/food analysis, processing/storage

Willson, Karl S., Lecturer
M.S., Michigan State University
Food packaging, packaging technology

** School of Social Work **

Ahluquist, Ann, Education Specialist
M.S.W., A.C.S.W. University of Minnesota
Child sexual abuse, violence prevention, child abuse prevention studies, child welfare

Baizerman, Michael, Professor
Ph.D., University of Pittsburgh
Adolescent and youth studies, youth public policy, adolescent female prostitution

Beeman, Sandra, Assistant Professor
Ph.D., University of Chicago
Child abuse and neglect, violence against women, qualitative research methods, children and families in poverty

Beker, Jerome, Professor Emeritus
Ed.D., Columbia University
Group care programs for youth, preparation/professionalization of youth workers, youth organizations

Bradshaw, William, Education Specialist
Ph.D., University of Southern California
Psychopathology, victim-offender mediation, cognitive-behavioral therapy, group therapy

Brooks, Geraldine, Professor
Ph.D., Harvard University
African-American families, child welfare and youth policy, dual-career families

Burke, Kevin, Education Specialist
M.S.W., California State University, Sacramento
Field instruction, public health, socially marginal groups, chronic illness

Burnison, Mary K., Instructor
Ph.D., University of Minnesota
Adolescent female development, youth workers, experiential learning

Edleson, Jeffrey, Professor
Ph.D., University of Wisconsin, Madison
Social work research methods, family violence, electronic information

Evans, Theora, Assistant Professor
M.P.H., Ph.D., University of Minnesota
Child welfare, maternal and child health delivery systems

Gilgon, Jane F., Professor
Ph.D., Syracuse University
Child welfare, child sexual abuse, development of violent behavior

Hollister, C. David, Professor
Ph.D., University of Michigan
Program evaluation, organizational analysis of social services, substance abuse and child welfare

Johnston, Nancy, Coordinator and Instructor
M.S.W., University of Minnesota
Child welfare, social policy, supervision and consultation

Jones, Linda, Associate Professor
Ph.D., University of Wisconsin
Madison Lesbian and gay families, women and social policy issues

Kalke, Nan, Education Specialist
M.S.W., University of Minnesota, Duluth
Family preservation, child welfare, distance education, multi-media courses

Kivnick, Helen Q., Professor
Ph.D., University of Michigan
Life strengths, CitySongs project, elder role models, life-cycle therapy

Lightfoot, Elizabeth, Assistant Professor
Ph.D., Indiana University at Bloomington
Social welfare policy, disability policy, strategic planning

Macy, Jane, Education Specialist
M.S.S.W., University of Wisconsin, Madison
Distance education, feminist social work practice, adult education

McGee, Gloria, Coordinator and Instructor
M.S.W., University of Minnesota
Field education, child welfare, substance abuse and social work

Menanteau-Horta, Dario, Professor
Ph.D., University of Minnesota
Social organization, community change, rural development, Latin America

Michaels, Caroline, Associate Program Director
M.P.H., University of North Carolina at Chapel Hill
Violence-related higher education curriculum development, social influence among adolescents

Morrissey, Meg, Coordinator and Lecturer
Ph.D., University of Minnesota
Social welfare history and policy, social history of American women

Quam, Jean K., Professor
Ph.D., University of Wisconsin, Madison
Long-term care issues, assessment of older adults, social welfare policy, community organization

Reinardy, James, Assistant Professor
Ph.D., University of Minnesota
Social work with involuntary clients, time-limited practice, public social services

Sullivan, Maura, Education Specialist
M.S.W., University of Minnesota
Supervision/consultation in social work, supervision, social justice, social welfare policy issues

Toft, Jessica, Education Specialist
M.S.W., University of Iowa
Child abuse prevention studies, child advocacy, social and community action

Umbrecht, Mark, Associate Professor
Ph.D., University of Minnesota
Mediation and conflict resolution, criminal justice, victim issues, violence prevention

Van Slyke, Victoria, Coordinator
M.S.W., University of Minnesota
Forensic practice, changing models of supervision, impact of trauma

Walters, Gail, Education Specialist
M.S.S.W., University of Louisville
Field instruction, disability issues, advocacy programs, medical social work

Williams, Oliver, Associate Professor
Ph.D., University of Pittsburgh
Domestic violence, homelessness, families and children, aging, ethno-cultural issues
College of Liberal Arts

Administration

Steven J. Rosenstone, Dean
Ann Waltner, Associate Dean for Academic Programs
Michael Hancher, Associate Dean for Faculty
Barbara Reid, Associate Dean for Planning and Initiatives
Suzanne Bardouche, Chief Financial Officer
Jean Cameron, Assistant Dean of Student Services

Gordon Hirsch, Director of Honors Division
Guillermo Rojas, Director of Martin Luther King Program
Carl Brandt, Director of Office of Special Learning Opportunities
Mary Hicks, Director of External Relations
Francine Morgan, Director of Human Resources

Faculty

American Indian Studies
Albers, Patricia, Professor
Ph.D., University of Wisconsin
Anthropology, ethnohistory

Child, Brenda, Associate Professor
Ph.D., Iowa State University
History, American Indian boarding schools, multiculturalism

* Miller, Carol, Associate Professor
Ph.D., University of Oklahoma
American Indian women’s narratives, intercultural studies, American literatures

O’Brien-Kehoe, Jean, Associate Professor
Ph.D., University of Chicago
Indians of the Northeast, U.S. colonial history

Wilkins, David, Associate Professor
Ph.D., University of North Carolina, Chapel Hill
American Indian sovereignty, tribal government, comparative politics

American Studies
Child, Brenda, Assistant Professor
Ph.D., Iowa State University
History, American Indian boarding schools, multiculturalism

Choy, Catherine
Ph.D., University of California, Los Angeles
Asian Americans, immigration, Philippine history, history of medicine

Delatte, Roland, Professor Emeritus
Ph.D., Yale University
Religion and ethics

May, Elaine Tyler, Professor
Ph.D., University of California, Los Angeles
History, women and family

May, Larry, Associate Professor
Ph.D., University of California, Los Angeles
Post-World War II American history, popular culture

* Miller, Carol, Associate Professor
Ph.D., University of Oklahoma
American literatures, American Indian women’s narratives, intercultural studies

* Noble, David, Professor
Ph.D., University of Wisconsin
History, literature and language, philosophy and religion

Pierce, Jennifer, Associate Professor
Ph.D., University of California, Berkeley
Gender, social psychology and race

Prell, Riv-Ellen, Associate Professor
Ph.D., University of Chicago
U.S. ethnic and gender relations, anthropology, ritual

Yates, Gayle Graham, Professor
Ph.D., University of Minnesota
History, women’s studies

Anthropology
Berdahl, Daphne, Assistant Professor
Ph.D., University of Chicago
Sociocultural anthropology, identity, consumption, memory, gender, Europe, U.S.

Barlow, Kathleen, Assistant Professor
Ph.D., University of California, San Diego
Psychological anthropology, culture and learning, art and aesthetics; Melanesia

Dunnigan, Timothy, Associate Professor
Ph.D., University of Arizona
Semantic anthropology, linguistic acculturation, Middle America, North America

Gerlach, Luther, Professor
Ph.D., University of London
Natural resources, social movements, political ecology, Africa, U.S.

Gibson, Guy, Professor
Ph.D., University of Wisconsin, Madison
North American archaeology, history and theory of archaeology, Midwest

Gudeman, Stephen, Professor
Ph.D., University of Cambridge, England
Social, structural, economic anthropology; Latin America

Ingham, John M., Professor
Ph.D., University of California, Berkeley
Culture and personality, symbolic anthropology, Middle America

Lipset, David M., Associate Professor
Ph.D., University of California, San Diego
Social and political anthropology, history of anthropology; Melanesia

McCorriston, Joy, Assistant Professor
Ph.D., Yale University
Archaeobotany and environmental archaeology, neolithic societies, Mediterranean and Near East

Miller, Frank, Professor
Ph.D., Harvard University
Change, development strategies, applied anthropology, Middle America, North America

Ogan, Eugene, Professor Emeritus
Ph.D., Harvard University
Social anthropology, Pacific Island ethnology and history

§ Penn, Mischa, Associate Professor
B.A., University of Minnesota
Philosophical anthropology, culture theory, methodology, history of anthropology

Raejja, Gloria Goodwin, Associate Professor
Ph.D., University of Chicago
Social, cultural, gender, caste, language; colonial discourses; India

Rowe, William, Professor Emeritus
Ph.D., Cornell University
Sociocultural change, colonialism, Marxism; South Asia, New Guinea, Caribbean

§ Specter, Janet, Associate Professor Emeritus
Ph.D., University of Wisconsin
Archaeology, ethnohistory, environmental archaeology, feminist anthropology; North America

Tappen, Martha, Assistant Professor
Ph.D., Harvard University
Paleoanthropology, paleoenvironments, taphonomy and faunal analysis, ethnoarchaeology

Wells, Peter S., Professor
Ph.D., Harvard University
Culture contact, economic behavior, signs and symbols, prehistoric and medieval Europe

Art
Baldwin, Guy, Associate Professor
M.F.A., University of Wisconsin
Sculpture

Bethke, Karl, Professor
M.F.A., University of Minnesota
Printmaking

Bohs, Margaret, Assistant Professor
M.F.A., Louisiana State University
Ceramics

Cowette, Thomas, Associate Professor
B.F.A., Minneapolis College of Art and Design
Drawing, painting

Feinberg, David, Associate Professor
M.F.A., Cranbrook Academy of Art
Drawing, painting

Franklin, Marjorie, Assistant Professor
M.F.A., San Francisco State University
Electronic arts

Gray, Lynn, Associate Professor
M.F.A., University of Oklahoma
Drawing, painting

Hallman, Gary, Associate Professor
M.F.A., University of Minnesota
Photography

Henkel, James, Associate Professor
M.F.A., Florida State University
Photography

Hoard, Curtis, Professor
M.F.A., University of Wisconsin
Sculpture

Krepps, Jerald, Associate Professor
M.F.A., Indiana University
Printmaking

Kuhn, Alexis, Assistant Professor
M.F.A., Stanford University
Drawing, painting

Lane, Thomas, Associate Professor
M.F.A., Pennsylvania State University
Ceramics

Lucsey, Susan, Associate Professor
M.F.A., Temple University
Sculpture

§ Lyon, Joyce, Associate Professor
M.F.A., University of Minnesota
Drawing, painting

Morgan, Clarence, Professor
M.F.A., University of Pennsylvania
Drawing, painting

Pharis, Mark, Professor
University of Minnesota
Sculpture

Potratz, Wayne, Professor
M.A., University of California, Berkeley
Sculpture

Rose, Thomas, Professor
M.A., University of California, Berkeley
Sculpture

Art History
Asher, Catherine, Associate Professor
Ph.D., University of Minnesota
Islamic and South Asian art and culture

Ascher, Frederick, Professor
Ph.D., University of Chicago
South Asian sculpture and architecture

* Cooper, Frederick, Professor
Ph.D., University of Pennsylvania
Greek art and architecture

Harling, Karal Ann, Professor
Ph.D., Bryn Mawr College
American art and popular culture

McNally, Sheila, Professor
Ph.D., Harvard University
Greek and Roman art and archaeology
Poel, Robert, Professor
Ph.D., University of Chicago
East Asian art

Silberman, Robert, Associate Professor
Ph.D., Columbia University
Film studies, history of photography, 20th-century American art

Steyert, John, Associate Professor
Ph.D., University of Michigan
Northern European art, 14th-16th centuries; late Gothic sculpture

Stoughton, Michael, Associate Professor
Ph.D., University of Michigan
European painting, sculpture, and architecture, 17th-18th centuries

Weisberg, Gabriel, Professor
Ph.D., Johns Hopkins University
19th/early 20th-century art, decorative arts, graphic arts

**Chicano Studies**

Rojas, Guillermo, Associate Professor
Ph.D., University of Illinois
Chicano literature

Valdés, Dennis, Associate Professor
Ph.D., Michigan State University
Chicano history, labor history

**Chinese**

Chen, Yue-shih, Professor
Ph.D., Yale University
Chinese prose tradition and 20th-century literature

Wang, Stephen, Professor
Ph.D., University of Washington
Chinese language and linguistics

**Classical and Near Eastern Studies**

Belfiore, Elizabeth, Professor
Ph.D., University of California, Los Angeles
Greek literature, Greek tragedy, philosophy

Berlin, Andrea, Assistant Professor
Ph.D., University of Michigan
Greek, Roman, and Near Eastern archeology; ancient ceramics

* Cooper, Frederick, Professor
Ph.D., University of Pennsylvania
Greek, Roman art and archaeology, architecture, folklore

* Erickson, Gerald, Professor Emeritus
Ph.D., University of Minnesota
Language pedagogy, social history

Hershey, Jackson, Professor
Ph.D., Harvard University
Greek literature, philosophy, intellectual history

Keuls, Eva, Professor Emeritus
Ph.D., Columbia University
Greek literature, fine arts, social history

Krevans, Nita, Associate Professor
Ph.D., Princeton University
Hellenistic and Roman literature

Lardinois, André, Assistant Professor
Ph.D., Princeton University
Greek literature, mythology, women’s studies

Levinson, Bernard, Associate Professor
and Berman Family Chair in Jewish Studies and Hebrew Bible
Ph.D., Brandeis University
Bible, ancient Near Eastern law

Malandra, William, Associate Professor
Ph.D., University of Pennsylvania
Indo-Iranian philology, history of religions

McNally, Sheila, Professor
Ph.D., Harvard University
Greek and Roman art and archaeology

Nicholson, Oliver, Associate Professor
Ph.D., Oxford University
Late antiquity, later Latin, church history, Byzantium

Olson, S. Douglas, Associate Professor
Ph.D., Bryn Mawr College
Greek poetry

Paradise, Jonathan, Associate Professor
Ph.D., University of Pennsylvania
Ancient Mesopotamia, Hebrew lexicography, language pedagogy, biblical studies

Sellew, Philip, Associate Professor
Ph.D., Harvard University
New Testament, early church, Greco-Roman religions, Coptic

Sheets, George, Associate Professor
Ph.D., Duke University
Roman literature, historical linguistics, legal theory

Sonkowsky, Robert, Professor
Ph.D., University of North Carolina
Latin literature, oral performance, theater, rhetoric, interactive TV teaching

**Communication Disorders**

Brady, Nancy, Assistant Professor
Ph.D., University of Kansas
Language acquisition, developmental disabilities

Broen, Patricia, Professor Emeritus
Ph.D., University of Minnesota
Language acquisition, phonological development

Carlstrom, Jane, Clinical Specialist
M.A., University of Iowa
Clinical audiology

Carney, Arlene, Professor
Ph.D., University of Minnesota
Rehabilitative audiology

Davis, Julia, Professor Emeritus
Ph.D., University of Southern Mississippi
Rehabilitative audiology

Doyle, Shirley, Clinical Specialist
M.A., University of Maryland
Language disorders

Glaze, Leslie, Associate Clinical Specialist
Ph.D., University of Wisconsin
Voice disorders, laryngectomy

Gundel, Jeanette, Adjunct Professor
Ph.D., University of Texas
Syntax, semantics, pragmatics

Haraldson, Samuel, Professor
M.A., University of Minnesota
Stuttering, laryngectomy

Hinderscheidt, Linda, Associate Clinical Specialist
M.A., University of Minnesota
Language disorders, populations with severe disabilities

Kennedy, Mary, Assistant Professor
Ph.D., University of Washington
Neurological disorders of communication

Margolis, Robert, Adjunct Professor
Ph.D., University of Iowa
Auditory evoked potentials, middle ear function

Martin, Richard, Professor Emeritus
Ph.D., University of Minnesota
Stuttering, behavior modification

McDermott, Richard, Professor Emeritus
Ph.D., University of Iowa
Phonological disorders

Moller, Karlind, Adjunct Professor
Ph.D., University of Minnesota
Craniofacial anomalies

Nelson, David, Adjunct Professor
Ph.D., University of Minnesota
Electrically stimulated hearing, otoacoustic emissions

Reichle, Joe, Professor
Ph.D., University of Wisconsin
Preschool language, augmentative communication

Schaub, Robert, Associate Professor
Ph.D., University of Washington
Diagnostic audiology, cognitive influences on hearing

Siegel, Gerald, Professor Emeritus
Ph.D., University of Iowa
Stuttering, ethnographic approaches to communication disorders

Solomon, Nancy, Assistant Professor
Ph.D., University of Arizona
Normal and disordered speech motor control

Speaks, Charles, Professor
Ph.D., University of Michigan
Speech perception

Starr, Clark, Professor Emeritus
Ph.D., Northwestern University
Cleft palate, voice disorders

Stemberger, Joseph, Professor
Ph.D., University of California, San Diego
Psycholinguistics, phonetics, phonology, morphology

van Deusen, Diana, Associate Clinical Specialist
M.A., University of Iowa
Clinical audiology, aural rehabilitation

Viemester, Neal, Adjunct Professor
Ph.D., Indiana University
Auditory perception, psychophysics

Windsor, Jennifer, Associate Professor
Ph.D., Purdue University
Language acquisition and disorders

**Cultural Studies and Comparative Literature**

§ Archer, W. John, Associate Professor
Ph.D., Harvard University
History of architecture, landscape, cities and suburbs

Brennan, Timothy, Associate Professor
Ph.D., Columbia University
20th-century literature, intellectuals, cultural theory; new media, imperialism

* Brown, Robert, Associate Professor
Ph.D., University of Michigan
Rhetoric, language theory, discourse analysis, pedagogy, disciplinary

Casarino, Cesare, Assistant Professor
Ph.D., Duke University
Queer theory, cinema, literature, philosophy

Ganguly, Keya, Assistant Professor
Ph.D., University of Illinois
Urban-Champaign
Cultural theory, film studies, postcolonialism, Marxism, ethnocriticism

* Leppard, Richard, Professor
Ph.D., City University of New York
Psychoanalytic theory, theories of technology and sexual difference

Mowitt, John, Associate Professor
Ph.D., University of Wisconsin
Critical theory, cultural technologies and popular practices

Pepper, Thomas, Assistant Professor
Ph.D., Yale University
Textual theory, gender, psychoanalysis, philosophical narrative, poetry, trauma

Sarles, Harvey, Professor
Ph.D., University of Chicago
Pragmatism, teaching as dialogue, science and humanities, pluralism

Schulte-Sasse, Jochen, Professor
Dr. phil habil., Ruhr University, Bochum, Germany
Intellectual/cultural history, critical theory, psychoanalysis, popular culture

Thomas, Gary, Associate Professor
Ph.D., Harvard University
Cultural studies, musicology, queer studies

**Economics**

Allen, Beth, Professor
Ph.D., University of California, Berkeley
Game theory, economics of information and uncertainty

Atkeson, Andrew, Associate Professor
Ph.D., Stanford University
Monetary theory, international trade

Chari, V. V., Professor
Ph.D., Carnegie Mellon University
Public economics, macroeconomics, industrial organization

Chipman, John S., Regents' Professor
Ph.D., Johns Hopkins University
Economics, international trade, measurement of economic welfare

Coen, Edward, Professor Emeritus
Ph.D., London School of Economics
Welfare economics, international economics

Feldman, Roger D., Professor
Ph.D., University of Rochester
Health economics, labor economics, human capital, human resources

Foster, Edward, Professor
Ph.D., Massachusetts Institute of Technology
Public finance, microeconomic theory

Geweke, John, Professor
Ph.D., University of Minnesota
Econometrics, macroeconomics, dynamic models, Bayesian inference in econometrics

Gowisankaran, Gaumut, Assistant Professor
Ph.D., Yale University
Applied microeconomics, industrial organization, computational economics, health economics

Holmes, Tom, Associate Professor
Ph.D., Northwestern University
Applied microeconomics, industrial organization
* Green, George, Associate Professor
  Ph.D., Stanford University
  American economic and business history, historiography, historical methods

Howe, John, Professor Emeritus
  Ph.D., Yale University
  18th- and 19th-century American political history

§ Isaacman, Allen, Professor
  Ph.D., University of Wisconsin
  Southern Africa, peasant studies, historical methodology

Isett, Christopher, Assistant Professor
  Ph.D., University of Los Angeles
  Modern Chinese social, economic history

Kelly, Thomas, Professor Emeritus
  Ph.D., University of Illinois
  Ancient Greece

* Kief, David, Associate Professor Emeritus
  Ph.D., University of California, Berkeley
  European diplomatic history, German history

Kopf, David, Professor
  Ph.D., University of Chicago
  South and Southeast Asian cultural history; comparative world history

Lee, Erika, Assistant Professor
  Ph.D., University of California, Berkeley
  20th-century U.S., Asian-American, immigration history

§ Lehmburg, Stanford, Professor Emeritus
  Ph.D., Cambridge University
  Tudor-Stuart England

Marshall, Byron K., Professor Emeritus
  Ph.D., Stanford University
  Asian history; 19th- and 20th-century Japanese history

Maynes, Mary Jo, Professor
  Ph.D., University of Michigan
  Modern European social history, family, women, education, Germany

McCaa, Robert, Professor
  Ph.D., University of California, Los Angeles
  Modern Latin America, demographic history, quantitative methods

Menard, Russell, Professor
  Ph.D., University of Iowa
  Early American history

§ Munholland, Kim, Professor
  Ph.D., Princeton University
  Contemporary French social and political history, French imperialism

Noonan, Thomas, Professor
  Ph.D., Indiana University, Bloomington
  Medieval Russian history, archaeology, numismatics

Norling, Lisa, Assistant Professor
  Ph.D., Rutgers University
  American social and cultural history, gender, maritime history

O’Brien-Kehoe, Jean M., Associate Professor
  Ph.D., University of Chicago
  Indians of the Northeast (17th and 18th centuries)

Phillips, Carla Rahn, Professor
  Ph.D., New York University
  Early modern Europe, 1450–1750; economy and society; Spain

Phillips, William, Professor
  Ph.D., New York University
  Medieval and early modern Europe. Spain, European expansion

Pomata, Gianna, Associate Professor
  Ph.D., University of Florence, Italy
  European cultural history

Reyerson, Kathryn, Professor
  Ph.D., Yale University
  Doctorat d’Etat, Montpellier Law School
  Medieval Europe, social, economic, and legal history, France

Roediger, David, Professor
  Ph.D., Northwestern University
  Race and class in the United States

Rudolph, Richard, Professor
  Ph.D., University of Wisconsin
  Russia, central and Eastern Europe

Ruggles, Steven, Professor
  Ph.D., University of Pennsylvania
  Historical demography, history of family, U.S. social history

§ Samaha, Joel, Professor
  Ph.D., Northwestern University
  Criminal justice history, criminal law and criminal procedure

Spear, Allan, Associate Professor
  Ph.D., Yale University
  20th-century U.S. history

§ Stavrou, Theofanis, Professor
  Ph.D., Indiana University
  Russia, modern Greece, Eastern Orthodoxy

Taylor, Romyen, Professor Emeritus
  Ph.D., University of Chicago
  History of Chinese society, late imperial Chinese history

Thayer, John, Professor
  Ph.D., University of Wisconsin
  Modern European political-cultural history, historiography and method

Tracy, James, Professor
  Ph.D., Princeton University
  Early modern Europe, 16th century, the Low Countries

Vecoli, Rudolph, Professor
  Ph.D., University of Wisconsin, Madison
  History of American immigration, ethnicity and pluralism

Waltner, Ann, Professor
  Ph.D., University of California, Berkeley
  Chinese social history, religion, gender, fiction, ritual, law

Wang, Liping, Assistant Professor
  Ph.D., University of California, San Diego
  Modern China

Welke, Barbara, Assistant Professor
  Ph.D., University of Chicago
  19th- and 20th-century U.S. legal, constitutional, and women’s history

Wright, William, Professor Emeritus
  Ph.D., University of Colorado
  Austrian history

■ Humanities

Kliger, George, Assistant Professor
  Ph.D., University of Minnesota
  Modern European philosophy, psychology, literature, art; pre-Muslim India

■ Japanese

Kawashima, Terry, Assistant Professor
  Ph.D., Harvard University
  Pre-modern Japanese literature, gender and sexuality

Pradt, Sarah, Associate Professor
  Ph.D., Cornell University
  Modern Japanese literature

Satzowski, Polly, Associate Professor
  Ph.D., Cornell University
  Japanese language and linguistics

■ Journalism and Mass Communication

Babcock, William, Associate Professor
  Ph.D., Southern Illinois University
  News-editorial, international communication, media ethics, environmental communication

Carter, Roy, Professor Emeritus
  Ph.D., Stanford University
  International mass communication, theory and methodology

Chang, Tsan-Kuo, Associate Professor
  Ph.D., University of Texas at Austin
  International communication, theory and methodology, mass communication diplomacy

Dicken-Garcia, Hazel, Professor
  Ph.D., University of Wisconsin, Madison
  Mass communication history, news-editorial

Doyle, Kenneth, Associate Professor
  Ph.D., University of Minnesota
  Quantitative, qualitative research methodology; financial psychology; cross-cultural studies

Faber, Ronald, Professor
  Ph.D., University of Wisconsin, Madison
  Advertising, mass media effects, political communication

Fang, Irving, Professor
  Ph.D., University of California, Los Angeles
  Broadcast journalism, communication technology history, photography, motion pictures

Gerald, J. Edward, Professor Emeritus
  Ph.D., University of Minnesota
  Media law

* Gillmor, Donald, Professor Emeritus
  Ph.D., University of Minnesota
  Media and constitutional law, communication agencies as social institutions

Hansen, Kathleen, Associate Professor
  M.A., M.L.S., University of Wisconsin, Madison
  Information access/communication, sociolinguistics, library science

Jones, Robert, Professor Emeritus
  Ph.D., University of Minnesota
  Advertising

Lee, Chin Chuan, Professor
  Ph.D., University of Michigan
  International mass communication, theory and methodology, political communication

Roberts, Nancy, Professor
  Ph.D., University of Minnesota
  Communication history, magazine writing, literary aspects of journalism

Schwartz, Dona, Associate Professor
  Ph.D., University of Pennsylvania
  Visual communication, photography, qualitative approaches to mass communication

Tichenor, Phillip, Professor Emeritus
  Ph.D., Stanford University
  Journalism and methodology, science journalism, public opinion

Tims, Albert, Associate Professor
  Ph.D., University of Wisconsin, Madison
  Communication theory/methodology, public opinion and political communication

Wackman, Daniel, Professor
  Ph.D., University of Wisconsin, Madison
  Media management, advertising, theory and methodology

* Ward, Jean, Professor Emeritus
  Ph.D., University of Minnesota
  Sociology of news, neighborhood press, language and communication

Wells, William, Professor
  Ph.D., Stanford University
  Advertising/marketing, information management, statistics, consumer behavior/attitudes

■ Linguistics

Downing, Bruce, Associate Professor
  Ph.D., University of Texas
  Syntax, English linguistics, bilingualism

Gundel, Jeanette, Professor
  Ph.D., University of Texas
  Syntax, semantics, pragmatics, discourse analysis, language processing

Stenson, Nancy, Associate Professor
  Ph.D., University of California, San Diego
  Syntax; Irish, Celtic, and American Indian languages, applied linguistics

■ Music

Anderson, John, Professor
  Ed.D., Columbia University
  Woodwind coordinator, clarinet, pedagogy and literature, woodwind ensembles

Argento, Dominick, Regents' Professor Emeritus
  Ph.D., Eastman School of Music
  Composition, orchestration

Artymiw, Lydia, Professor
  B.A., Philadelphia College of Performing Arts
  Piano

Ashworth, Thomas, Associate Professor
  M.M., North Texas State University
  Trombone, euphonium

Baldwin, David, Professor
  D.M.A., Yale University
  Brass coordinator, trumpet, trumpet pedagogy, transcription for winds

Billmeyer, Dean, Associate Professor
  D.M.A., Eastman School of Music
  Organ literature, pedagogy; church music; advanced keyboard harmony

Bjork, Mark, Associate Professor
  B.M., Indiana University
  Violin, Suzuki pedagogy

Braginsky, Alex, Professor
  D.M.A. (equiv.), Moscow Conservatory
  Piano, chamber music

 Cherlin, Michael, Associate Professor
  Ph.D., Yale University
  Tonal and posttonal theory, analysis; text and music

Damschroder, David, Associate Professor
  Ph.D., Yale University
  Tonal theory and analysis, history of music theory

del Santo, Jean, Associate Professor
  M.M., Indiana University
  Voice (soprano), vocal literature, diction

Furman, Charles, Associate Professor
  Ph.D., Florida State University
  Music therapy, music education, psychology of music
Garrett, Margo, Professor and Ethel Hitchcock Endowed Chair in Accompanying and Coaching
M.M., Manhattan School of Music
Accompanying and coaching

Grayson, David, Associate Professor
Ph.D., Harvard University
Historical musicology, 19th-20th centuries, Debussy-studies

Haack, Paul, Professor
Ph.D., University of Wisconsin
Music education

Harkness, Kelley, Assistant Professor
Ph.D., University of Illinois, Urbana-Champaign
Musicology

Hepokoski, James, Professor
Ph.D., Harvard University
19th-20th century musicology, symphonic structures, critical theory

Jackson, Donna, Professor
Ph.D., Harvard University
Historical musicology, medieval and Renaissance

Kagan, Alan, Associate Professor Emeritus
Ph.D., Indiana University
Ethnomusicology of China, Asia; American fiddle; video documentation

Kim, Young Nam, Associate Professor
M.M., Syracuse University
Violin, chamber music, string orchestra

Kirchoff, Craig, Professor
M.M., University of Wisconsin
Director of bands, conducting

Konkol, Korey, Professor
M.M., New England Conservatory
Violin

Lancaster, Thomas, Professor
D.M., Indiana University
Choral conducting

* Lubet, Alex, Professor
Ph.D., University of Iowa
Composition, 20th-century theory, theory, pedagogy

Maurice, Glenda, Professor
M.M., Manhattan School of Music
Voice (mezzo-soprano), vocal literature

McCoy, Claire, Associate Professor
Ph.D., University of Iowa
Music education, movement-based methods

McCurdy, Ronald, Professor
Ph.D., University of Kansas
Jazz ensemble, vocal jazz, jazz improvisation, Afro-American studies

McNab, Duncan, Associate Professor
D.M.A., University of California, Los Angeles
Piano, piano literature

Meza, Fernando, Assistant Professor
M.M., University of Michigan
Persussion, percussion literature/techniques/pedagogy

O'Reilly, Sally, Professor
M.M., Indiana University
Violin

Paulnack, Karl, Assistant Professor
D.M.A., University of Southern California
Accompanying

Remenikova, Tanya, Professor
D.M.A. (equiv.), Moscow Conservatory
Cello, cello pedagogy, string techniques, chamber ensembles

Romey, Kathy Saltzman, Lecturer
D.M.A. (equiv.), Hochschule für Musik (Frankfurt, Germany)
Choral music

Schultz, Stephen, Associate Professor
Ph.D., Northwestern University
Music education

Shaw, Paul, Assistant Professor
D.M.A., The Juilliard School
Piano

Shockley, Rebecca, Associate Professor
D.M.A., University of Colorado
Piano, class piano, pedagogy, piano ensembles

* Sutton, Everett, Professor
Ph.D., University of Minnesota
Opera theater/workshop

Ware, D. Clifton, Associate Professor
D.M., Northwestern University
Voice (tenor), pedagogy

Weller, Lawrence, Associate Professor
M.M., University of Illinois
Voice (baritone), diction, vocal literature

Zaimont, Judith, Professor
M.A., Columbia University
Composition, theory

* ■ Political Science

Bowie, Norman E., Professor
Ph.D., University of Rochester
Political philosophy, corporate responsibility, ethics

Dahl, Norman, Professor
Ph.D., University of California, Berkeley
Moral philosophy, ancient philosophy

* Dolan, John M., Associate Professor
Ph.D., Stanford University
Philosophy of language, epistemology, medical ethics

Eaton, Marcia M., Professor
Ph.D., Stanford University
Aesthetics

Giere, Ronald, Professor
Ph.D., Cornell University
Philosophy of science

Gunderson, Keith, Professor
Ph.D., Princeton University
Philosophy of mind, aesthetics, 17th- and 18th-century philosophy

* Hanson, William, Professor
Ph.D., Yale University
Logic, philosophy of logic

Hellman, Geoffrey, Professor
Ph.D., Harvard University
Philosophy of natural science, mathematics and logic, aesthetics

Holman, Sarah, Assistant Professor
Ph.D., University of North Carolina
Ethics, political philosophy, philosophy of law

Hopkins, Jasper, Professor
Ph.D., Harvard University
Ancient and medieval philosophy, philosophy of religion

Kac, Michael, Professor
Ph.D., University of California, Los Angeles
Philosophy of language, formal theories of language

* Lewis, Douglas, Professor
Ph.D., University of Iowa
17th- and 18th-century philosophy, metaphysics

Longino, Helen, Professor
Ph.D., Johns Hopkins University
Feminist theories of knowledge, philosophy of science, social epistemology

Mason, H. E., Professor
Ph.D., Harvard University
Moral and political philosophy, philosophy of language

Owens, Joseph, Professor
Ph.D., University of California, Los Angeles
Philosophy of mind, language, metaphysics

§ Peterson, Sandra, Professor
Ph.D., Princeton University
Ancient philosophy, moral philosophy

§ Root, Michael, Associate Professor
Ph.D., University of Illinois
Philosophy of language, philosophy of social science

Savage, C. Wade, Professor
Ph.D., Cornell University
Philosophy of science, epistemology, philosophy of psychology

§ Scheman, Naomi, Professor
Ph.D., Harvard University
Feminist theory, epistemology, Wittgenstein

Tiberius, Valerie, Assistant Professor
Ph.D., University of North Carolina at Chapel Hill
Moral philosophy, metaethics, practical reason

Wallace, John, Professor
Ph.D., Stanford University
Philosophy of language

Waters, C. Kenneth, Associate Professor
Ph.D., Indiana University
Philosophy of science, epistemology, philosophy of biology

* ■ Political Science

§ Dietz, Mary, Professor
Ph.D., University of California, Berkeley
Development of political thought

Disch, Lisa, Associate Professor
Ph.D., Rutgers University
Political theory

§ DuVall, Raymond, Professor
Ph.D., Northwestern University
International relations, comparative political economy

Estevez-Abe, Margarita, Assistant Professor
Ph.D., Harvard University
Japanese politics, political economy

§ Farr, James, Professor
Ph.D., University of Minnesota
Political theory

Flanigan, William, Professor
Ph.D., Yale University
Political behavior

Fogelman, Edwin, Professor
Ph.D., Princeton University
Political theory

§ Freeman, John, Professor
Ph.D., University of Minnesota
Political economy, methodology

Gray, Virginia, Professor
Ph.D., Washington University
American public policy, comparative state politics

Holt, Robert, Professor
Ph.D., Princeton University
Comparative political systems

Jacobs, Lawrence, Associate Professor
Ph.D., Columbia University
American public policy

Kapstein, Ethan, Professor
Ph.D., Harvard University
Political economy, international relations

Kellner, Daniel, Associate Professor
Ph.D., Yale University
Comparative politics, China

Krislov, Samuel, Professor
Ph.D., Princeton University
Judicial behavior

Kvavik, Robert, Professor
Ph.D., Stanford University
Political organizations, Scandinavia

§ Nimtz, August, Associate Professor
Ph.D., Indiana University
Africa, comparative and community politics

Oren, Ido, Assistant Professor
Ph.D., University of Chicago
International relations

Price, Richard, Assistant Professor
Ph.D., Cornell University
International Relations

Rahn, Wendy, Associate Professor
Ph.D., University of Minnesota
American politics, political psychology

Richards, Diana, Associate Professor
Ph.D., Yale University
Methodology, international relations

Rosestone, Steven, Professor
Ph.D., University of California, Berkeley
American politics, methodology

* Sampson, Martin, Associate Professor
Ph.D., Indiana University
International relations, foreign policy

Samuels, David, Assistant Professor
Ph.D., University of California, San Diego
Comparative politics, Latin American politics

Scott, Thomas, Professor
Ph.D., Northwestern University
Urban government and politics

* Shively, W. Phillips, Professor
Ph.D., University of North Carolina
Comparative politics, Western Europe

Sikkink, Kathryn, Professor
Ph.D., Columbia University
Comparative politics, Latin America

Silverstein, Gordon, Assistant Professor
Ph.D., Harvard University
Constitutional law

* Smith, Steven, Professor
Ph.D., University of Minnesota
Legislative and executive process

* Sullivan, John, Professor
Ph.D., University of North Carolina
Methodology, political psychology

■ Psychology

Berscheid, Ellen, Regents' Professor
Ph.D., University of Minnesota
Interpersonal attraction, close relationships, emotion, social perception/cognition

§ Bozgula, Eugene, Professor
Ph.D., University of Michigan
Social cognition, attitude theory, psychology and law, psychology and politics
Bouchard, Thomas, Professor
Ph.D., University of California, Berkeley
Twins, adoptees, mental ability, behavior genetics, personality interests

Burkhardt, Dwight, Professor
Ph.D., Brown University
Sensory psychobiology: vision, retinal neuron function, human psychophysics

Butcher, James, Professor
Ph.D., University of North Carolina
Personality assessment, cross-cultural psychology

Campbell, John, Professor
Ph.D., University of Minnesota
Personnel selection, performance appraisal, task and job analysis

Cudeck, Robert, Professor
Ph.D., University of Southern California
Quantitative psychology

Dawis, René, Professor Emeritus
Ph.D., University of Minnesota
Vocational psychology, individual differences, psychological measurement, industrial/organizational psychology

Donnette, Marvin, Professor Emeritus
Ph.D., University of Minnesota
Personnel selection, performance appraisal, task and job analysis

Fletcher, Charles, Associate Professor
Ph.D., University of Colorado, Boulder
Cognitive science, discourse comprehension, memory

Fox, Paul, Professor
Ph.D., Tulane University
Human learning and memory, cognition, psychology of instruction

Frazier, Patricia, Associate Professor
Ph.D., University of Minnesota
Counseling and social psychology, coping with stressful life events

Galaskiewicz, Joseph, Professor
Ph.D., University of Chicago
Social organization, developmental psychology, organizational theory

* Cooperman, David, Professor
Ph.D., University of Pennsylvania
Political, historical sociology; comparative sociology, social networks

Broadbent, Jeffrey, Associate Professor
Ph.D., Harvard University
Social movements; environmental sociology; development, change, Japan, Asia

*§ Brustein, William, Professor
Ph.D., University of Washington
Political, historical sociology; stratification; social movements, change, social theory

Cooperman, David, Professor
Ph.D., University of Minnesota
Comparative sociology, conflict, economy and society, Scandinavian societies

Donohue, George, Professor Emeritus
Ph.D., Washington State University
Social theory, social organization, community, rural sociology

Ellenbogen, J.L., Professor Emeritus
Ph.D., University of Wisconsin
Social organization, developmental change, Latin America

Fulton, Robert, Professor Emeritus
Ph.D., Wayne State University
Death, AIDS, life course, social stratification

Galaskiewicz, Joseph, Professor
Ph.D., University of Chicago
Organizations, community, social networks

Hartmann, Douglas, Assistant Professor
Ph.D., University of California, San Diego
Race/ethnicity, cultural sociology, social change

Johnson, Arthur, Professor Emeritus
Ph.D., University of Minnesota
Sociology of religion, family, applied sociology

Kersten, Daniel, Associate Professor
Ph.D., Harvard University
Human memory, vision, and learning, cognitive neuroscience

Leone, Maria, Professor
Ph.D., University of Michigan
Iranian linguistics and literature, Central Asian studies

Corten, Arina, Associate Professor
Ph.D., University of California, Berkeley
Modern Russian and Soviet literature, Soviet culture, Russian

Jahn, Gary, Professor
Ph.D., University of Wisconsin
19th-century Russian literature, Tolstoy

*§ Polakiewicz, Leonard, Associate Professor
Ph.D., University of Wisconsin
19th-century Russian literature, Chekhov, Polish language and literature

Sociology

*§ Aminzade, Ronald, Professor
Ph.D., University of Michigan
Political sociology; historical sociology

Anderson, Ronald, Professor
Ph.D., Stanford University
Methodology, technology, education, micro-computing

*§ Bachtell, Barbara, Professor
Ph.D., University of Chicago
Historical sociology, family, sociology of gender, theory

Leik, Robert, Professor
Ph.D., University of Wisconsin, Madison
Mathematical models, methods and statistics, family

Malmquist, Cari, Professor
M.D., University of Minnesota
Juvenile justice, homicide, adolescence, law, mental health system

Macmillan, J. Ross, Assistant Professor
Ph.D., University of Toronto
Research methodology, social statistics, criminology, life course studies

McMullin, Carl, Professor
Ph.D., Boston College
Social psychology, deviant behavior, visual sociology

Kennedy, Robert, Associate Professor
Ph.D., University of California, Berkeley
Demography, population, life course, AIDS research

Krone, David, Professor
Ph.D., University of Michigan
Organizations and methods, social statistics, social networks

Krutitsch, Candace, Professor
Ph.D., Yale University
Criminology, women offenders, violent crime

§ Bashir, Iraj, Professor Emeritus
Ph.D., Yale University
Criminology, women offenders, violent crime

Macmillan, J. Ross, Assistant Professor
Ph.D., University of Toronto
Research methodology, social statistics, criminology, life course studies

Malmquist, Carl, Professor
M.D., University of Minnesota
Juvenile justice, homicide, adolescence, law, mental health system

Marini, Margaret, Professor
Ph.D., Johns Hopkins University
Criminology, gender, demography, theory, quantitative methods

McLeod, Jane, Associate Professor
Ph.D., University of Michigan
Psychiatric epidemiology, medical sociology, quantitative methods, family

*§ McTavish, Donald, Professor
Ph.D., University of Iowa
Methods, statistics, computer text analysis, gerontology, organizational simulation

Mortimer, Jeylan, Professor
Ph.D., University of Michigan
Life course, social psychology of work, adolescent development

Minton, John, Professor
Ph.D., Yale University
Social stratification, comparative community organization

Reis, Ira L., Professor Emeritus
Ph.D., Pennsylvania State University
Human sexuality, gender roles, family, theory construction

Savelsberg, Joachim, Associate Professor
Dr. rer. pol., University of Trier, Germany
Law, criminology, comparative historical sociology

Spitzer, Stephen, Associate Professor Emeritus
Ph.D., University of Washington, Seattle
Social psychology, deviant behavior, visual sociology

Ugen, Christopher, Assistant Professor
Ph.D., University of Wisconsin
Criminology, juvenile delinquency, deviance, work and labor markets

Ward, David, Professor
Ph.D., University of Illinois
Criminology, penology, law, comparative penal policy, policing
Emeritus
Bormann, Ernest G., Professor
Intercultural communication, international

Ferrán, Ofelia, Assistant Professor
Ph.D., Cornell University
Modern peninsular literature and literary theory

Jara, René, Professor
Ph.D., Arizona State University
Spanish-American literature: narrative, poetry, essay, literary theory, semiotics

Klee, Carol, Associate Professor
Ph.D., University of Texas, Austin
Hispanic linguistics, applied linguistics and sociolinguistics

Machín, Horacio, Assistant Professor
Ph.D., Stanford University
Contemporary Latin American literature, cultural criticism, cultural studies

Miri, Louise, Professor
Ph.D., Stanford University
Medieval literature, comparative literature, language development

O’Connell, JoAnna, Associate Professor
Ph.D., University of California, Berkeley
Spanish-American literature: Mexico, Caribbean, Central America; feminism

Ocampo, Francisco, Associate Professor
Ph.D., University of Southern California
Hispanic linguistics, syntax and pragmatics

Ramos-García, Luis, Assistant Professor
Ph.D., University of California, San Diego
Spanish literature: 18th-20th century prose and poetry

Spadaccini, Nicholas, Professor
Ph.D., New York University
Spanish Golden Age/colonial literature and culture; comparative literature

Sullivan, Constance, Associate Professor
Ph.D., University of Illinois
Latin American literature and cultural studies

Zahareas, Anthony, Professor
Ph.D., Ohio State University
History of Spanish literature: early to modern times

Speech-Communication
Albert, Rosita, Associate Professor
Ph.D., University of Michigan
Intercultural communication, international relations, cross-cultural methods, health communication

Bormann, Ernest G., Professor Emeritus
Ph.D., University of Iowa
Rhetorical theory, American public address; small group communication

Browne, Donald, Professor
Ph.D., University of Michigan
Comparative international media, media and minorities, historical research methodology

Campbell, Karyn Kohrs, Professor
Ph.D., University of Minnesota
Rhetorical theory/criticism, women in communication, presidential rhetoric

Hewes, Dean, Professor
Ph.D. Florida State University
Communication theory, small group and organization decision-making

Jensen, J. Vernon, Professor Emeritus
Ph.D., University of Minnesota
British public address, argumentation, ethics, rhetoric in Asia

Kinney, Terry, Assistant Professor
Ph.D., University of Wisconsin
Interpersonal communication and aggression, persuasion and social influence, health, methodology

Rarick, David, Associate Professor
Ph.D., Ohio State University
Communication theory, media ethics, audience analysis, telecommunications media

Schiappa, Edward, Associate Professor
Ph.D., Northwestern University
Contemporary rhetorical theory, classical rhetoric, public address, argumentation

Scott, Robert, Professor
Ph.D., University of Illinois
Rhetorical theory, public address criticism, value implications in research

Shapiro, George L., Professor Emeritus
Ph.D., University of Minnesota
Leadership, organizational and interpersonal communication, communication between subcultures

Sheldon, Amy, Professor
Ph.D., University of Texas
First- and second-language acquisition, discourse analysis, gender

Vavrus, Mary, Assistant Professor
Ph.D., University of Illinois
Rhetorical theory, public address criticism, value implications in research

Wilson, Kirt, Assistant Professor
Ph.D., Northwestern University
Rhetorical theory, rhetoric, U.S. public address, political persuasion

Statistics
Bingham, Christopher, Professor
Ph.D., Yale University
Directional data analysis, time series analysis, chronobiometry

Chaloner, Kathryn, Professor
Ph.D., Carnegie Mellon University
Bayesian statistics, optimal design, clinical trials, AIDS research

Cook, R. Dennis, Professor
Ph.D., Kansas State University
Regression and modeling, diagnostics, graphical methods

Dickey, James, Professor
Ph.D., University of Michigan
Bayesian statistics, expert opinion modeling, smoothing analysis, foundations of inference

Eaton, Morris, Professor
Ph.D., Stanford University
Multivariate analysis, probability inequalities, decision theory, Bayesian analysis

Geisser, Seymour, Professor
Ph.D., University of North Carolina
Bayesian inference, model selection, predictivism, sample reuse, diagnostics

Geyer, Charles, Associate Professor
Ph.D., University of Washington
Markov chain Monte Carlo, constrained maximum likelihood, statistical genetics

Grund, Birgit, Associate Professor
Ph.D., Humboldt-Universität, Berlin
Curve estimation, kernel smoothing, AIDS research

Hawkins, Douglas, Professor
Ph.D., University of the Witwatersrand, Johannesburg, South Africa
Quality improvement, case diagnostics, geostatistics

Lamzti, Kinley, Professor Emeritus
Ph.D., University of Chicago
Categorical data, experimental design, computer methods, medical applications

Lindgren, Bernard, Professor Emeritus
Ph.D., University of Wisconsin
Statistical education, general theory

Louis, Thomas, Professor
Ph.D., Columbia University
Biostatistics, empirical Bayes, geostatistics, AIDS research

Martin, Frank, Associate Professor
Ph.D., Iowa State University
Experimental design, analysis of variance procedures, population sampling

Meeden, Glen, Professor
Ph.D., University of Illinois
Decision theory, Bayesian inference, finite population sampling

Oehlert, Gary, Professor
Ph.D., Yale University
Data analysis, environmental trend analysis, nonparametric regression

Prutt, Ronald, Associate Professor
Ph.D., University of California, Davis
Nonparametrics, survival analysis

Qu, Peihua, Assistant Professor
Ph.D., University of Wisconsin, Madison
Nonparametric regression, curve/surface fitting, image processing, calibration

Sudderth, William, Professor
Ph.D., University of California, Berkeley
Probability theory, stochastic games, foundations of statistics

Tierney, Luka, Professor
Ph.D., Cornell University
Reliability, approximate Bayesian inference, statistical computing, dynamic graphics

Weisberg, Sanford, Professor
Ph.D., Harvard University
Regression and modeling, diagnostics, graphical methods, computing

Bellamy, Louis, Associate Professor
M.A., University of Minnesota
Directing, acting

Brockman, C. Lance, Professor
M.S., Kansas State Teachers College
Scene design, scene painting

Chatterjee, Ananya, Assistant Professor
Ed.D., Temple University
Dance history and theory

Cheng, Maria, Associate Professor
B.A., University of Minnesota
Modern dance, choreography theory

Gwinup, Martin, Associate Professor
M.F.A., Yale University
Technical production, digital audio, computer control and visual systems

Kane, Stephen, Associate Professor
M.F.A., University of Minnesota
Directing, acting

Knourek, Pamela, Teaching Specialist
M.F.A., North Carolina School for the Arts
Costume technology

Kobialka, Michelle, Associate Professor
Ph.D., City University of New York
Theatre history/theory: medieval, avant-garde, postmodern theatre, historiography

Kurtinec, Sonja, Assistant Professor
Ph.D., Stanford University
Theatre history, performance art and theory, American theatre

LeFebvre, Matthew, Assistant Professor
M.F.A., University of Minnesota
Costume design, drawing and rendering

Maddux, Margaret L., Associate Professor
M.A., Sarah Lawrence College
Modern dance, choreography, ethnic and theory

Montgomery, Jean, Associate Professor
M.F.A., University of Minnesota
Lighting design, stage management

Nash, Elizabeth, Associate Professor
Ph.D., Indiana University
Voice, speech, singing

Nolte, Charles, Professor Emeritus
Ph.D., University of Minnesota
Theatre history, playwriting

Norwood, James, Associate Professor
Ph.D., University of California, Berkeley
Shakespearean, dramatic literature, humanities

Reid, Barbara, Professor
M.F.A., Yale University
Acting

Sealy, Zoe, Teaching Specialist
Jazz and ballroom dance, musical theatre

Shapiro, Linda, Coordinator
M.A., University of Wisconsin
Introduction to dance, dance history, technique and composition

Smith, Joan Anne, Associate Professor
M.A., University of California, Los Angeles
Modern dance, choreography

Underiner, Tamara, Assistant Professor
Ph.D., University of Washington
Theatre history, Latin American and post-colonial theatre

Wagner, Sherry, Teaching Specialist
M.B.A., Illinois State University
Theatre management

Women’s Studies
Desai, Jigna, Assistant Professor
Ph.D., University of Minnesota
Postcolonialism, South African diaspora, gender, global studies, film

Faunce, Patricia, Professor
Ph.D., University of Minnesota
Psychology, personality, therapy, achievement, work, power, sex roles

Geiger, Susan, Professor Emeritus
Ph.D., University of Dar es Salaam, Tanzania
African women’s history, feminist theory, life history methodology
Faculty

■ Accounting
Allen, Carl, Lecturer
M.S., University of Minnesota

Amershi, Amin H., Professor
Ph.D., University of British Columbia
Information economics, game theory, decision theory

Biondich, Nick, Lecturer
M.S., University of North Dakota

Carter, Gary, Lecturer
Ph.D., University of Texas, Austin

Dickhaut, John W., Honeywell Professor in Accounting
Ph.D., The Ohio State University
Economic and psychological determinants of accounting phenomena

Duke, Gordon L., Associate Professor
Ph.D., University of Georgia
Accounting systems, statistics, quantitative methods

§ Gutterman, Paul, Lecturer
L.L.M. in Taxation, New York University

Jacobs, Fred, Lecturer and Director of M.B.A.
Ph.D., University of Wisconsin, Madison

Joyce, Edward J., Professor
Ph.D., University of Illinois
Behavioral decision-making

Kanodia, Chandra, Professor
Ph.D., Carnegie Mellon University
Auditor liability and audit pricing

Mukerji, Arjit, Assistant Professor
Ph.D., University of Pittsburgh
Economic theory, game theory, experimental economics

Radhakrishna, Balkrishna, Assistant Professor
Ph.D., University of Michigan
Market regulations, investor behavior, price discovery, information dissemination

Rayburn, Judy D., Associate Professor
Ph.D., University of Iowa
Capital markets

Saly, P. Jane, Assistant Professor
Ph.D., University of British Columbia
Executive compensation, management accounting

Shapiro, Brian, Assistant Professor
Ph.D., University of Minnesota

Spero, Andrew, Assistant Professor
Ph.D., Carnegie Mellon University

Tranter, Terry, Lecturer
Ph.D., University of Washington

■ Business Law
Andrew, Albert, Jr., Lecturer and Chairman
L.L.B., University of Minnesota

Department of Finance
Alexander, Gordon J., American Express Financial Advisers Professor of Finance
Ph.D., University of Michigan
Investments, portfolio theory and management

Benveniste, Lawrence, First Bank System Professor of Finance
Ph.D., University of California, Berkeley
Initial public offerings of equity, commercial mortgage default

Boyd, John H., Professor, Frederick R. Kappel Chair in Business and Government Relations
Ph.D., University of Pennsylvania
Finance and development, financial intermediation, banking

Chang, Chun, Associate Professor
Ph.D., Northwestern University
Economics of incentives and information, comparative economic institutions

Gilson, Scott, Assistant Professor
Ph.D., Boston College

Jagannathan, Ravi, Piper Jaffray Professor in Finance
Ph.D., Carnegie Mellon University
Pricing of financial assets, futures and options markets

Kareken, John H., Professor, Minnesota Chair in Banking Emeritus
Ph.D., Massachusetts Institute of Technology

Kidwell, David S., Professor
Ph.D., University of Oregon
U.S. and international baking, fixed income securities

LeRoy, Stephen F., Carlson Professor in Finance
Ph.D., University of Pennsylvania
Asset pricing theories, asset pricing volatility

Nantell, Timothy J., Gelco Professor in Finance
Ph.D., University of Wisconsin
Corporate finance, corporate restructuring

* Rosko, Peter, Associate Professor
Ph.D., University of Michigan

Seguin, Paul, Associate Professor
Ph.D., University of Rochester

Stutzer, Michael J., Associate Professor
Ph.D., University of Minnesota
Financial intermediation, asset pricing

Winton, Andrew, Associate Professor
Ph.D., Wharton School, University of Pennsylvania
Financial contracting, corporate finance

■ Health Care Management
Begun, James, Professor
Ph.D., University of North Carolina at Chapel Hill

Christianson, Jon, Professor
Ph.D., University of Wisconsin

Connor, Robert, Associate Professor
Ph.D., Wharton School, University of Pennsylvania
Market structure and access to service in the health sector

Grant, Leslie, Assistant Professor
Ph.D., University of California, San Francisco
Financing, organization, and delivery of long-term care

Johnson, George, Associate Professor
Ph.D., University of Minnesota
Strategy, organizational structure and effectiveness, health care mergers

Litman, Theodor, Professor
Ph.D., University of Minnesota
Medical sociology, health politics and policy

Madden, Mary Jane, Assistant Professor
Ph.D., University of Minnesota

Potthoff, Sandra, Assistant Professor
Ph.D., University of Wisconsin, Madison
Decision-making in health care

Weckworth, Vernon, Professor
Ph.D., University of Minnesota
Variable effects on health service delivery

■ Industrial Relations
Ahlburg, Dennis A., Professor
Ph.D., University of Pennsylvania
Demographic economics, forecasting, labor economics

Arvey, Richard D., Professor
Ph.D., University of Minnesota
Staffing, training, and development

Azevedo, Ross E., Associate Professor
Ph.D., Cornell University
Compensation systems, human resource planning and skills inventories

Ben-Ner, Avner, Professor
Ph.D., State University of New York, Stony Brook
Theory of organization, employee ownership, nonprofit organizations

* Bognanno, Mario F., Professor
Ph.D., University of Iowa
Labor economics and policy, collective bargaining

* Budd, John J., Associate Professor
Ph.D., Princeton University
Collective bargaining and industrial relations, labor policy

* Butler, Richard J., Professor, Williams/Minnesota Insurance Chair
Ph.D., University of Chicago
Workers’ compensation, disability, health economics, discrimination

* Fossom, John A., Professor
Ph.D., Michigan State University
Compensation

Globoh, Theresa, Assistant Professor
Ph.D., University of Illinois

Keane, Michael P., Associate Professor
Ph.D., Brown University

McCall, Brian, Associate Professor
Ph.D., Princeton University
Applied econometrics, econometric theory, economics of information

Remington, John, Professor
Ph.D., University of Michigan
Collective bargaining and industrial relations, labor arbitration

Sackett, Paul R., Professor
Ph.D., The Ohio State University
Personnel decision-making, fairness in employee testing

Scoville, James G., Professor
Ph.D., Harvard University
International and comparative industrial relations

Wanberg, Connie, Assistant Professor
Ph.D., Iowa State University
Psychological experience of unemployment, job-seeking behavior

Wang, Yijiang, Associate Professor
Ph.D., Harvard University
Organization theory, theory of the firm, monetary economics

Whitman, Andrew, Professor
Ph.D., University of Wisconsin, Madison
Insurance law, coverage and claims, corporate risk management
Zaidi, Mahmood A., Professor
Ph.D., University of California, Berkeley Labor market analysis, unemployment and industrialized countries

Information and Decision Sciences

Adams, Carl R., Professor
Ph.D., Purdue University Problem-solving methodology

Chervany, Norman L., Professor
Ph.D., Indiana University Management of technology-based change

Curley, Shawn P., Associate Professor
Ph.D., University of Michigan Decision and judgment processes, belief processing

Davis, Gordon B., Honeywell Professor in Information Systems
Ph.D., Stanford University MIS planning, information requirements determination

Everest, Gordon C., Associate Professor
Ph.D., University of Pennsylvania Database management systems, logical data modeling

Goodhue, Dale, Associate Professor
Ph.D., Massachusetts Institute of Technology Data management, measurement methodologies

Hoffmann, Thomas R., Professor
Ph.D., University of Pennsylvania Scheduling, computer programming, assembly line balancing

Johnson, Paul E., Carlson Professor in Decision Sciences
Ph.D., Johns Hopkins University Decision making, intelligent systems, knowledge work

Kauffman, Robert J., Associate Professor
Ph.D., Carnegie Mellon University Information technology and financial services

March, Salvatore, Professor
Ph.D., Cornell University Database design, information systems development

Naumann, J. David, Associate Professor
Ph.D., University of Minnesota Information systems development, application prototyping, telecommunications

Subramani, Mani, Assistant Professor
Ph.D., Massachusetts Institute of Technology

Van Cleave, Robert, Lecturer/Coordinator
M.B.A., Wabash College

Wanning, Les, Lecturer/Coordinator
Ph.D., Northwestern University

Xia, Wendong, Assistant Professor
Ph.D., University of Pittsburgh Organizational impact of information technology, information technology and operations/quality management, telecommunications management, end-user computing

Marketing and Logistics Management

Beier, Frederick J., Professor
Ph.D., The Ohio State University Interorganizational logistics systems and chain management

§ Bergen, Mark, Associate Professor
Ph.D., University of Minnesota Channels of distribution, pricing

Cardozo, Richard N., Professor, Carlson Chair in Entrepreneurial Studies
Ph.D., University of Minnesota Growth and development of new businesses

Childers, Terry L., Professor
Ph.D., University of Wisconsin Visual information processing, measurement and psychometrics

Hansen, Robert A., Associate Professor
Ph.D., University of Wisconsin Marketing research, strategic marketing planning

Houston, Michael J., Professor
Ph.D., University of Illinois Consumer behavior and information processing, advertising effects

Meyers-Levy, Joan, Professor
Ph.D.

John, Deborah Roedder, Professor, Carlson Chair in Marketing
Ph.D., Northwestern University Children’s consumer behavior, consumer information processing

John, George, Professor
Ph.D., Northwestern University Marketing channels, industrial marketing

Loken, Barbara J., Professor
Ph.D., University of Illinois Consumer behavior

Rao, Akshay, Associate Professor
Ph.D., Virginia Polytechnic Institute and State University Pricing

Ritson, Mark, Assistant Professor
Ph.D., Lancaster University (U.K.) Symbolic consumption, qualitative approaches to advertising research

§ Roering, Kenneth J., Professor, Pillsbury/Gerot Chair in Marketing
Ph.D., University of Iowa Marketing planning and corporate strategy

Rudelius, William, Professor
Ph.D., University of Pennsylvania New product development, marketing segmentation

Ruekert, Rovert W., Professor
Ph.D., University of Wisconsin Marketing strategy, marketing organization and implementation

Walker, Orrville C., Watkins Professor in Marketing
Ph.D., University of Wisconsin Organizational issues in implementation of marketing structures

Operations and Management Science

Anderson, John C., Professor
Ph.D., University of Minnesota Quality management, operations strategy

Banker, Rajiv, Professor
Ph.D., Harvard University

Hill, Arthur V., Professor
Ph.D., Purdue University Operations management, production and inventory management

Li, William, Assistant Professor
Ph.D., University of Waterloo Experimental design, optimal design, robust design

Linderman, Kevin, Assistant Professor
Ph.D., Case Western Reserve University Operations research, operations management

McKone, Kathleen, Assistant Professor
Ph.D., University of Virginia Total productive maintenance, production control systems

Meyer, Susan, Assistant Professor
Ph.D., The Ohio State University Operations management

Nachtsheim, Christopher J., Professor
Ph.D., University of Minnesota Experimental design, regression and analysis of variance

* Schroeder, Roger G., Donaldson Professor of Operations Management
Ph.D., Northwestern University Operations strategy, quality management process innovation

Sinha, Kingshuk, Associate Professor
Ph.D., University of Texas, Austin Management of technology, operations strategy

Taaffe, Michael R., Associate Professor
Ph.D., The Ohio State University Computational probability, stochastic networks

Strategic Management and Organization

Albert, Stuart, Associate Professor
Ph.D., The Ohio State University Organizational change, metaphor and organizational change

Bowie, Norman E., Professor, Elmer L. Andersen Chair in Corporate Responsibility
Ph.D., University of Rochester, New York Corporate responsibility, international business ethics

Bromiley, Philip, Professor
Ph.D., Carnegie Mellon University Risk-taking in organizations, strategic decision processes

Chakravarty, Balaji S., Professor, Spencer Land Grant Chair in Technological Leadership
D.B.A., Harvard University Strategic adaptation, management of technology

Erickson, W. Bruce, Professor
Ph.D., Michigan State University Antitrust economics, venture capital

Lenway, Stefanie, Professor
Ph.D., University of California, Berkeley International trade policy, international political economy

Maitland, Ian, Professor
Ph.D., Columbia University Business ethics, ethics and markets

Marcus, Alfred A., Professor
Ph.D., Harvard University Acquisition of competence and organizational learning

Maurer, John J. Jr., Associate Professor
D.B.A., Harvard University Public school leadership and strategy, executive education

Murtha, Thomas, Associate Professor
Ph.D., New York University Global sourcing strategy and management, industrial policy

Nichols, Mary L., Professor
Ph.D., University of Kansas Individual and organizational decision making, organizational design

Peteraf, Margaret, Associate Professor
Ph.D., Yale UniversityCompetitive advantage, resource-based theory

Rulke, Diane L., Assistant Professor
Ph.D., Carnegie Mellon University Competitive advantage, resource-based theory, deregulation

Shah, Priti P., Assistant Professor
Ph.D., Kellogg Graduate School, Northwestern University Organizational behavior, social networks, group goal setting, negotiation

Srivivasan, Shaker, Associate Professor
Ph.D., University of Michigan Corporate governance, mergers and acquisitions

Van de Ven, Andrew H., Professor, Vernon H. Heath Chair of Organizational Change and Innovation
Ph.D., University of Wisconsin Organization and management theory, management of innovation and change

Zaheer, Akbar, Associate Professor
Ph.D., Massachusetts Institute of Technology Competitive advantage for inter-firm relationships

Zeare, Srihara, Associate Professor
Ph.D., Massachusetts Institute of Technology Dynamic competitive advantage, the process of globalization

Division of Medical Technology

Administration

Furcht, Leo T., Allen-Pardee Professor and Head, Department of Laboratory Medicine and Pathology, and Director of Institute of Biotechnology
M.D., State University New York, Upstate Medical Center Cell matrix, basement membranes, tumor metastasis, peptides

McCullough, Jeffrey, Professor and Director, Division of Laboratory Medicine and Section of Transfusion Medicine
M.D., Ohio State University Transfusion medicine

Karn, Karen R., Professor and Director
Ph.D., University of Minnesota Curriculum design, faculty scholarship, program cost construction

Solberg, Patricia, Teaching Specialist and Administrative Associate
B.A., Gustavus Adolphus College Education, student recruitment and retention, clinical chemistry

Faculty

Brunzel, Nancy, Laboratory Manager
M.S., University of Minnesota Clinical chemistry, urinalysis, molecular biology

Erice, Alejo, Associate Professor
M.D., Universidad Autonoma, Madrid, Spain
AIDS/HIV pathogenesis, clinical virology

Gleason, William, Associate Professor
Ph.D., University of Minnesota Clinical chemistry, biomaterials, biomolecular recognition
College of Natural Resources

Administration

Alfred D. Sullivan, Ph.D., Dean
Steven Daley Laursen, Ph.D., Associate Dean
Lisa A. Hartwig, B.A., Assistant to the Dean
Mark S. Abner, M.S., Director of Development
Joseph D. Funke, M.B.A., Director of Financial Services
Martin H. Moen, M.A., Coordinator of Communications
Barbara A. Coffin, M.S., Coordinator, Institute for Sustainable Natural Resources
Ira R. Adelman, Ph.D., Head, Department of Fisheries and Wildlife
Joseph G. Masssey, Ph.D., Head, Department of Water and Paper Science
Alan R. Ek, Ph.D., Head, Department of Forest Resources
William K. Ganzlin, M.S., Director, Student Services; Coordinator, Natural Resources and Environmental Studies
Robert A. Stine, Cloquet Forestry Center
Philip J. Splett, M.S., Coordinator, Career Services
Scott M. Lanyon, Ph.D., Director, James Ford Bell Museum of Natural History
Karen Lee Davis, Director, James Ford Bell Museum of Natural History

Faculty

Fisheries and Wildlife

Adelman, Ira R., Professor and Head
Ph.D., University of Minnesota
Fisheries management and aquaculture

Andersen, David E., Associate Professor
Ph.D., University of Wisconsin, Madison
Avian ecology and conservation

Atchinson, Gary, Adjunct Faculty
Ph.D., Michigan State University
Aquatic toxicology

Best, Louis, Adjunct Faculty
Ph.D., University of Illinois
Avian ecology

Cohen, Yosef, Professor
Ph.D., University of California, Berkeley
Populations, mathematical ecology, ecosystem conservation

Cooper, James A., Associate Professor
Ph.D., University of Massachusetts
Waterfowl and wetland ecology

Cuthbert, Francesca J., Professor
Ph.D., University of Minnesota
Conservation and biology of birds; endangered species conservation

DeGiulice, Glenn D., Adjunct Faculty
Ph.D., University of Minnesota
Nutritional and physiological ecology of large mammals

Frenzel, L. Daniel, Professor Emeritus
Ph.D., University of Minnesota
Raptor ecology

Fulton, David C., Assistant Professor
Ph.D., Colorado State University
Human dimensions of fish and wildlife management

Garshells, David, Adjunct Faculty
Ph.D., University of Minnesota
Monitoring and managing large mammal populations

Johnson, Mark R., Adjunct Faculty
D.V.M., Colorado State University
Wildlife handling and techniques for research and management

Jordan, Peter A., Associate Professor
Ph.D., University of California, Berkeley
Ecology and management of mammalian herbivores

Joshi, Anup, Research Associate
Ph.D., University of Minnesota
Asian mammal conservation

Kapuscinski, Anne R., Professor
Ph.D., Oregon State University
Fisheries genetics; aquatic biotechnology assessment

Kilts, James R., Associate Professor
Ph.D., Utah State University
Extension education; human-wildlife interactions

Miller, Loren M., Research Associate
Ph.D., University of Minnesota
Fisheries conservation genetics

Newman, Raymond M., Associate Professor
Ph.D., University of Minnesota
Aquatic ecology and fisheries management

Pease, James L., Adjunct Faculty
Ph.D., Iowa State University
Human dimensions of wildlife management

Simons, Andrew M., Assistant Professor
Ph.D., University of Alabama, Tuscaloosa
North American freshwater fish systematics

Smith, James L.D., Associate Professor
Ph.D., University of Minnesota
Biology and conservation of Asian mammals

Sorensen, Peter W., Professor
Ph.D., University of Rhode Island
Fish behavior, physiology and chemoreception

Spangler, George R., Professor
Ph.D., University of Toronto
Population dynamics of fish, native American resource management

Vondracek, Bruce C., Associate Professor
Ph.D., University of California, Davis
Stream ecology and restoration

Waters, Thomas F., Professor Emeritus
Ph.D., University of Minnesota
Stream ecology

Wood and Paper Science

* Bowyer, James L., Professor
Ph.D., University of Minnesota
Life cycle analysis, marketing

Bratkovich, Stephen M., Adjunct Faculty
Ph.D., Ohio State University
Extension education

Erickson, Robert W., Professor Emeritus
Ph.D., University of Minnesota
Wood physics and moisture relations

Gertjejansen, Roland O., Professor Emeritus
Ph.D., University of Minnesota
Fiber and particle products technology

Grimsrud, David T., Associate Professor
Ph.D., University of Minnesota
Indoor air quality and building energy efficiency

Hendricks, Lewis T., Professor Emeritus
Ph.D., Michigan State University
Forest products extension and training

Huelman, Patrick H., Associate Professor
M.S., Iowa State University
Energy-efficient buildings

Massey, Joseph G., Professor and Head
Ph.D., University of Minnesota
Operations research concepts, process control expert systems

Milton, F. Thomas, Associate Professor
M.S., University of Minnesota
Lumber manufacturing technology

Peterson, Harlan D., Assistant Professor
M.S., University of Minnesota
Wood moisture relations

Ramaswamy, Shri, Associate Professor
Ph.D., State University of New York
Paper science and engineering

Sarkanen, Simo, Associate Professor
Ph.D., University of Washington
Wood and lignin chemistry

Schmidt, Elmer L., Professor
Ph.D., University of Minnesota
Wood deterioration/protect

Seavey, Robert T., Research Associate
Ph.D., University of Minnesota
Wood physics

Severtson, Steven J., Assistant Professor
Ph.D., Institute of Paper Science and Technology
Surface chemistry

Tschirner, Uliker W., Associate Professor
Ph.D., University of Karlsruhe, Germany
Lignin chemistry

Yin, Kewen Karen, Associate Professor
Ph.D., University of Maryland
Process monitoring and control

Forest Resources

Alm, Alvin A., Professor Emeritus
Ph.D., University of Minnesota
Silviculture, reforestation

Anderson, Dorothy H., Professor
Ph.D., Colorado State University
Recreation resources management and policy analysis

Bakuzis, Egolf V., Professor Emeritus
Ph.D., University of Minnesota
Forest ecology, ecosystem foundations

Bauer, Marvin E., Professor
Ph.D., University of Illinois
Remote sensing of soils, crops and forests

Baughman, Melvin J., Professor
Ph.D., University of Minnesota
Policy taxation economics and management

Bengston, David N., Adjunct Faculty
Ph.D., University of Minnesota
Economics, technical change, research planning, evaluation

Mortuary Science

Facility and Staff

Kroschus, John M., Assistant Professor and Director
Ph.D., Indiana State University
Mortuary law, embalming, restorative art

Mathews, Michael C., Assistant Professor
M.A., University of Thomas
Funeral management, history, embalming chemistry, computer science

Tibbetts, Steven P., Teaching Specialist
M.A., University of Minnesota, Duluth
Funeral psychology and counseling

LuBrant, Michael P., Instructor
M.A., St. Bernard’s Institute
Embalming, restorative art, history, funeral psychology and counseling

Hallgren, Helen, Associate Professor
M.S., University of Minnesota
Immunohematology, immunology

Hanson, Naomi, Assistant Professor
M.S., University of Minnesota
Clinical chemistry, molecular biology

Jechorek, Robert, Scientist
M.A., St. Cloud State University
Teaching, clinical microbiology, parasitology, research, bacterial translocation

Tsai, Michael, Professor
Ph.D., Medical College of Wisconsin
Biochemical/molecular genetics, cardiovascular disease, clinical chemistry

Wells, Carol, Professor
Ph.D., University of Wisconsin
Diagnostic microbiology and microbial pathogenesis

Teaching Specialists

Clysdale, Sarah, Teaching Specialist
B.S., University of Minnesota
Clinical chemistry

Cook, Stella, Teaching Specialist
B.S., University of Minnesota
Hematology

George, Joanna, Manager, Teaching Laboratories
B.S., Minot State University
Immunohematology, microbiology, laboratory safety

King, Lynn, Teaching Specialist
B.S., University of Minnesota
Clinical chemistry

Yue, Mary Jane, Teaching Specialist
M.S., Northeastern University
Hematology

Faculty

Fisheries and Wildlife

Adelman, Ira R., Professor and Head
Ph.D., University of Minnesota
Fisheries management and aquaculture

Andersen, David E., Associate Professor
Ph.D., University of Wisconsin, Madison
Avian ecology and conservation

Atchinson, Gary, Adjunct Faculty
Ph.D., Michigan State University
Aquatic toxicology

Best, Louis, Adjunct Faculty
Ph.D., University of Illinois
Avian ecology

Cohen, Yosef, Professor
Ph.D., University of California, Berkeley
Populations, mathematical ecology, ecosystem conservation

Cooper, James A., Associate Professor
Ph.D., University of Massachusetts
Waterfowl and wetland ecology

Cuthbert, Francesca J., Professor
Ph.D., University of Minnesota
Conservation and biology of birds; endangered species conservation

DeGiulice, Glenn D., Adjunct Faculty
Ph.D., University of Minnesota
Nutritional and physiological ecology of large mammals

Frenzel, L. Daniel, Professor Emeritus
Ph.D., University of Minnesota
Raptor ecology

Fulton, David C., Assistant Professor
Ph.D., Colorado State University
Human dimensions of fish and wildlife management

Garshells, David, Adjunct Faculty
Ph.D., University of Minnesota
Monitoring and managing large mammal populations

Johnson, Mark R., Adjunct Faculty
D.V.M., Colorado State University
Wildlife handling and techniques for research and management

Jordan, Peter A., Associate Professor
Ph.D., University of California, Berkeley
Ecology and management of mammalian herbivores

Joshi, Anup, Research Associate
Ph.D., University of Minnesota
Asian mammal conservation

Kapuscinski, Anne R., Professor
Ph.D., Oregon State University
Fisheries genetics; aquatic biotechnology assessment

Kilts, James R., Associate Professor
Ph.D., Utah State University
Extension education; human-wildlife interactions

Miller, Loren M., Research Associate
Ph.D., University of Minnesota
Fisheries conservation genetics

Newman, Raymond M., Associate Professor
Ph.D., University of Minnesota
Aquatic ecology and fisheries management

Pease, James L., Adjunct Faculty
Ph.D., Iowa State University
Human dimensions of wildlife management

Simons, Andrew M., Assistant Professor
Ph.D., University of Alabama, Tuscaloosa
North American freshwater fish systematics

Smith, James L.D., Associate Professor
Ph.D., University of Minnesota
Biology and conservation of Asian mammals

Sorensen, Peter W., Professor
Ph.D., University of Rhode Island
Fish behavior, physiology and chemoreception

Spangler, George R., Professor
Ph.D., University of Toronto
Population dynamics of fish, native American resource management

Vondracek, Bruce C., Associate Professor
Ph.D., University of California, Davis
Stream ecology and restoration

Waters, Thomas F., Professor Emeritus
Ph.D., University of Minnesota
Stream ecology
Recreation resources management
Emeritus
Merriam Jr., Lawrence C., Professor
Ph.D., University of Pittsburgh
Lime, David W., Senior Research
Public administration, management, and economics: timber supply and harvest scheduling

Forest ecology
Kurmis, Vilis, Professor Emeritus
Ph.D., University of Minnesota

Forest resources management
Merriam Jr., Lawrence C., Professor Emeritus
Ph.D., University of Minnesota

Remote sensing, aerial photography for natural resources management
Meyer, Merle P., Professor Emeritus
Ph.D., University of Minnesota

Forest genetics, tree improvement
Mohn, Carl A., Professor Emeritus
Ph.D., University of Minnesota

§ Perry, James A., Professor
Ph.D., Idaho State University

Water quality, aquatic systems monitoring, watershed management
Puettmann, Klaus J., Associate Professor
Ph.D., Oregon State University

Silviculture and forest ecology
Reich, Peter B., Professor and F.B. Hubachek, Sr. Chair in Forestry
Ph.D., Cornell University

Forest ecology, ecophysiology
Rose, Dietmar W., Professor
Ph.D., University of Wisconsin

Silviculture, windbreaks, shelterbelts
Scholten, Harold S., Professor Emeritus
Ph.D., University of Minnesota

Multi-resource assessment
Sleight, Steven J., Associate Professor
Ph.D., University of Nebraska, Lincoln

Forest economics, planning models, timber supply analysis
Schmidt, Thomas L., Adjunct Faculty
Ph.D., University of Wisconsin

Multi-resource assessment
Splet, Stephen J., Instructor
M.S., University of Minnesota

Career planning, plant taxonomy
Stine, Robert A., Research Associate
Ph.D., University of Minnesota

Forest ecology and policy
Stringham, L.A., Professor Emeritus
Ph.D., University of Minnesota

Silviculture and forest economics
Sucoff, Edward I., Professor Emeritus
Ph.D., University of Maryland

Tree physiology, nutrient-water interactions, forest decline
Thompson, Jerri Lyn, Research Fellow
M.S., University of Minnesota

Recreation resources management
Vogt, Carl E., Instructor
B.S., University of Minnesota

Conservation education, hardwood management, specialty crops
Yin, Xiwei, Research Associate
Ph.D., University of Michigan

Forest ecology and modeling
Zasada, J. C., Adjunct Faculty
Ph.D., University of Michigan

Silviculture and regeneration ecology
School of Nursing
Administration
Marilee Miller, Ph.D., Associate Dean
Ph.D., University of Minnesota

Division Head I
Mariah, Snyder, Ph.D.
Barbara Leonard, Ph.D.
Ruth Lindquist, Ph.D.
Ph.D., University of Minnesota

Graduate Studies
Judith Benjak, M.P.H., R.N., Director
Student Services
Paul Sodenberg, B.S., Administrative Director
Ph.D., University of Minnesota

Public health nursing
Sharon Vegue, B.S., Director, Outreach
Laurel Mallon, B.S., Development Officer

Faculty
Anglim, Mary Ann, Assistant Professor
M.Ed., University of Minnesota

Nursing role in tobacco cessation
Avery, Melissa, Assistant Professor
Ph.D., University of Minnesota

Exercise as therapeutic intervention for gestational diabetes
Bearinger, Linda, Associate Professor
Ph.D., University of Minnesota

Public health needs of adolescents
Benik, Judy, Instructor, Director, Student Services
M.P.H., University of Minnesota

Administration and public health
Bliss, Donna, Assistant Professor
Ph.D., University of Pennsylvania

Effects of dietary fiber on colon
Block, Derryl, Assistant Professor
Ph.D., University of Pennsylvania

Public health nursing
Bohn, Diane, Assistant Professor
D.N.Sc., Rush University, Chicago

Effects of abuse on women’s health
Brauer, Donna, Assistant Professor
Ph.D., University of Minnesota

Health outcomes in adults with chronic conditions
Chan, Linda L., Assistant Professor
Ph.D., University of Minnesota

Technology and home health nursing, holistic interventions
Corcoran-Perry, Sheila A., Professor
Ph.D., University of Minnesota

Decision-making in health care
Crislam, Patricia, Associate Professor
Ph.D., University of Minnesota

Ethical issues in nursing

* Duckett, Laura, Associate Professor
Ph.D., University of Minnesota

Variables that affect breastfeeding duration
Edwards, Sandra, Professor, Dean
Ph.D., University of Minnesota

Administrative and health care policy issues
Fairbanks, Dorothy M., Assistant Professor
M.Ed., University of Minnesota

Educational methodologies to enhance critical thinking
Feldman, Bernadine, Associate Professor
Ph.D., University of Minnesota

Quality of life for institutionalized elders
Goidal, Linda, Professor Emeritus
Ph.D., University of Minnesota

Children with chronic disabilities and their families
Gross, Cynthia, Associate Professor
Ph.D., Yale University

Quality of life after transplantation
Gustafson, Marilyn R., Associate Professor Emeritus
Ph.D.

Halcón, Linda, Assistant Professor
Ph.D., University of Minnesota

Public health nursing, epidemiology
Hansen, Helen, Ph.D., Assistant Professor
Ph.D., University of Kansas, Lawrence

Leadership, collaboration, and systems management
Henly, Susan J., Associate Professor
Ph.D., University of Minnesota

Psychometric methods
Josten, Lavohn, Associate Professor
Ph.D., University of Minnesota

Effectiveness of interventions with high-risk families

§ Kaas, Merrie, Assistant Professor
D.N.Sc., University of California, San Francisco

Mental health of elderly women
Kerr, Madeline, Assistant Professor
Ph.D., University of Michigan

Health promotion interventions with workers
Kraatz, Elizabeth, Assistant Professor
Ph.D., Loyola University, Chicago

Oncology
Krichbaum, Kathleen, Associate Professor
Ph.D., University of Minnesota

Quality of long-term care for institutionalized elderly
Leonard, Barbara, Associate Professor, Division Head II
Ph.D., University of Minnesota

Fetal alcohol syndrome, juvenile diabetes, Indian health care
Lewis, Marsha, Assistant Professor
Ph.D., University of Minnesota

Psychiatric mental health nursing practice
Lia-Hoagberg, Betty, Associate Professor
Ph.D., University of Minnesota

Pregnancy care, public health interventions
Lindeke, Linda, Assistant Professor
Ph.D., University of Minnesota

Maternal child health issues, children with chronic illness
Lindquist, Ruth, Associate Professor, Director of Graduate Studies
Ph.D., University of Minnesota

Cardiovascular nursing, critical care nursing, quality of life
Miller, Marilee, Associate Professor, Associate Dean
Ph.D., University of Minnesota

Oncology nursing, technology-enhanced learning
Mueller, Christine, Associate Professor
Ph.D., University of Maryland, Baltimore

Adult health, gerontology
Pedersen, Carol, Associate Professor
Ph.D., Adelphi University, Garden City, New York

Critical care in nursing, public health nursing
Peden-McAlpine, Cynthia, Assistant Professor
Ph.D., Adelphi University

Nursing, women’s health, depression and the family
Post-White, Jane, Assistant Professor
Ph.D., University of Minnesota

Psychoneuroimmunology and cancer

* Ryder, Muriel B., Professor
Ph.D., University of Minnesota

Gerontological nursing, institutionalization
Snyder, Mariah, Professor, Division Head
Ph.D., University of Minnesota
Nursing interventions; identification and determining efficacy

Tomlinson, Patricia, Professor
Ph.D., Oregon State University
Parent-infant attachment, role transitions, family stress

Urueña, Romana, Assistant Professor
M.S., University of California, Los Angeles
Pediatric nursing

Weisensee, Mary G., Assistant Professor
Ph.D., Michigan State University
Caregivers’ perceptions

Wyman, Jean, Professor
Ph.D., University of Washington
Urinary incontinence, behavioral interventions, quality of life

Zwygart-Stauffacher, Mary, Associate Professor
Ph.D., University of Wisconsin, Milwaukee
Oldest old women’s health care issues and concerns

Education Specialists

Alaniz, Karen
Ph.D., University of Minnesota
Asthma self-management in children, chronic illness in children

Allard, Karen
M.S., University of Minnesota
Adult health, critical care

Bata-Jones, Bonnie
M.S., F.N.P., University of North Dakota, Grand Forks
Diabetes education

Boehm, Deborah
M.P.H., A.N.P., University of Minnesota
Women’s health care, primary health care

Cross, Sharon
M.P.H., University of Minnesota
Prevention of unintended pregnancy, evaluation of public health nursing practice

Daniels, Jesse
M.S., University of Iowa
Medical surgical nursing

Friedrich, Cherri
M.S., University of Minnesota
Pediatrics

Hanninen, Linda
M.S., University of Minnesota
Maternal child health

Juve, Cathy
Ph.D., University of Minnesota
Substance abuse in pregnancy

Karnes, Nancy
M.S., C.C.R.N., Loyola University
Critical care

Lent, Sandra
M.S., P.N.P., University of Minnesota
Infantile colic, otitis media, disease prevention

Matsumura, Gloria
M.S., C.N.M., University of Minnesota
Nurse midwifery

Moe, Jon
M.S., University of Minnesota
Adult health

Nygaard, Georgia, Coordinator, family nurse practitioner area of study
M.S., A.N.P., College of St. Catherine, St. Paul
Primary care of adults

Peters, Jennifer
Ph.D., University of Iowa
Gerontology

Pougiealas, Katina
M.S., University of Minnesota
Mental health

Quast, Sharon
M.P.H., University of Minnesota
Education/mental health and pediatrics, role modeling

Rabinowitz, Linda
M.S., Texas Women’s University
Prenatal health care

Ridgeway, Sharon
Ph.D., University of Minnesota
Gerontology, Alzheimer’s disease

Ringdahl, Deborah
M.S., University of Minnesota
Nurse midwifery

Saline, Elaine
M.P.H., University of Minnesota
Mental health and community

Smith, Kevin
M.S.N., F.N.P., University of Kentucky
Family nursing

Stephens, Mary
M.S., University of Minnesota
Adult health, critical care

Weiss, Pam
Ph.D., University of Minnesota
Acupuncture—painful peripheral neuropathies

Institute of Technology

Administration

H. Ted Davis, Dean

Steven Crouch, Associate Dean, Finance and Planning

Peter Hudleston, Associate Dean, Student Affairs

K.S.P. Kumar, Associate Dean, Academic Affairs

Karen Wolterstorff, Associate to the Dean

Anne Mockovak, Assistant to the Associate Dean

Richard Hatfield, Director, Development and External Affairs

Kristine Kosek, Director, Alumni Relations

Sharon B. Kurtt, Director, Career Services

Susan Ellis Marino, Director, Program for Women

Madonna Monette, Finance Director

Samuel Moore, Director, Academic Program for Excellence in Engineering and Science

V. Rama Murthy, Director, Lower Division Programs, Mr. and Mrs. George W. Taylor Distinguished Teaching Professor

Robert Pepin, Director, Honors

Benjamin G. Sharpe, Director, Admissions

Paul Sorensen, Director, Communications

Faculty

In the following list, P.E. designates licensure as a professional engineer in Minnesota, unless otherwise indicated.

Aerospace Engineering and Mechanics

Alving, Amy E., Associate Professor
Ph.D., Princeton University
Experimental research in turbulence and fluid mechanics

Balas, Gary J., Associate Professor
Ph.D., California Institute of Technology
Aerospace control systems, experimental and theoretical

Beavers, Gordon S., Professor
Ph.D., Cambridge University
Experimental fluid mechanics; rheological fluid mechanics

Candler, Graham V., Associate Professor
Ph.D., Stanford University
Hyperbolic aerodynamics; computational fluid dynamics; high-temperature gas physics

Enna, Dale F., Adjunct Associate Professor
Ph.D., Stanford University
Controls; aerothermodynamics; flight mechanics; dynamical systems

Ericksen, Jerry L., Professor Emeritus
Ph.D., Indiana University
Nonlinear continuum theories on behavior of real materials (crystals and liquid crystals)

Fosdick, Roger L., Professor
Ph.D., Brown University
Thermodynamics and continuum mechanics, nonlinear material behavior

Garrard, William L., Professor
Ph.D., University of Texas at Austin
Dynamics and control of aerospace vehicles; parachute dynamics

Hodge, Jr., Philip G., Professor Emeritus
Ph.D., Brown University
Plastic minimum principles, limit analysis and yield-line theory

Hsiao, C.C., Professor Emeritus
Ph.D., Massachusetts Institute of Technology
Effect of molecular orientation, time on polymeric systems

James, Richard D., Professor, Distinguished McKnight University Professor
Ph.D., Johns Hopkins University
Thermodynamics of solids; phase transformations; micromechanics

Joseph, Daniel D., Professor, Regent’s Professor
Ph.D., Illinois Institute of Technology
Two phase flow; rheology; fluid mechanics; stability bifurcation

Leo, Perry H., Associate Professor
Ph.D., Carnegie Mellon University
Phase transformations; micromechanics of defects in solids; composites

Longmire, Ellen K., Associate Professor
Ph.D., Stanford University
Experimental fluid mechanics; particle-laden and multiphase flow

Lundgren, Thomas S., Professor
Ph.D., University of Minnesota
Vortex dynamics; turbulence; two-phase flows; tube transportation systems

Marusic, Ivan, Assistant Professor
Ph.D., University of Melbourne, Australia
Experimental and theoretical study of turbulent boundary layers

Plunkett, Robert, Professor Emeritus
Sc.D., Massachusetts Institute of Technology
Structural dynamics; fluid-solid interaction; composite materials, vibrational control

Shield, Thomas W., Associate Professor
Ph.D., University of California, Berkeley
Experimental solid mechanics; mechanics of materials; fracture mechanics

Stolarik, Eugene, Associate Professor Emeritus
M.S., University of Minnesota
Flight mechanics of aircraft and reentry vehicles, V/STOL, aerodynamics

Truskovlev, Lev, Associate Professor
Ph.D., Academy of Sciences, U.S.S.R.
Nonlinear continuum mechanics; thermodynamics; fracture; phase transformations; geophysics

Van, Andrew
B.A.E., University of Minnesota
FAA DER (Flight Analyst, structures, systems and equipment, Powerplant installation and Test Pilot). Aircraft and spacecraft design; flight testing; project management

Warner, William H., Professor Emeritus
Ph.D., Carnegie Institute of Technology
Optimization methods in mechanics, biorthogonal series for solutions of polyharmonic equations

Wilson, Theodore A., Professor
Ph.D., Cornell University
Respiratory mechanics, modeling lung structure and deformation, respiratory flow

Zhao, Yiuyan, Associate Professor
Ph.D., Stanford University
Guidance/control; optimization; dynamics; air traffic management

Astronomy

Davidson, Kris, Professor
Ph.D., Cornell University
Theoretical astrophysics, luminous stars, primordial element abundances

Dickel, John, Professor
Ph.D., Cornell University
Galactic and extragalactic radio astronomy, neutral hydrogen studies

Gehrz, Robert, Professor and Director, Mt. Lemmon and O’Brien observatories
Ph.D., University of Minnesota
Infrared astronomy, novae, comets

Humphreys, Roberta, Professor
Ph.D., University of Michigan
Luminous stars, stellar evolution, optical spectroscopy, galactic structure

Jones, Terry, Professor and Assistant Director, Mt. Lemmon and O’Brien observatories
Ph.D., University of Hawaii
Infrared astronomy, late type stars, polarimetry

Jones, Thomas, Professor
Ph.D., University of Minnesota
Computational astrophysics, cosmic ray production, supernovae remnants, shocks

Kuhl, Leonard, Professor
Ph.D., University of California at Berkeley
Young stellar objects, optical spectroscopy
Bioystems and Agricultural Engineering

Bhattacharya, Mrinal, Professor
Ph.D., University of Nebraska
Food engineering, extrusion processing, starch/protein-based polymers

Boedicker, James, Adjunct Associate Professor
Ph.D., North Carolina State University
Machinery systems, livestock environment

Chaplin, Jonathan, P.E., Associate Professor
Ph.D., Iowa State University
Machinery design, safety, precision agriculture, computer-aided design

Clanton, Charles, P.E., Associate Professor
Ph.D., University of Minnesota
Waste management, agricultural structures, animal environment

Goodrich, Philip, P.E., Associate Professor
Ph.D., Purdue University
Odor control of animal waste, manure application

Jacobson, Larry, P.E., Associate Professor and Extension Engineer
Ph.D., University of Minnesota
Livestock housing, indoor air quality, waste management

Janni, Kevin, P.E., Professor and Extension Engineer
Ph.D., Purdue University
Livestock housing, odor control, air quality, biofiltration

Morey, R. Vance, Professor
Ph.D., Purdue University
Grain drying and storage, grain quality, machine vision

Nieber, John, P.E., Professor
Ph.D., Cornell University
Fluid flow, heat and contaminant transport in unsaturated soil

Ruan, Roger, Associate Professor
Ph.D., University of Illinois
Food engineering, value-added processing, MRI and NMR applications

Sands, Gary, Assistant Professor and Extension Engineer
Ph.D., Colorado State University
Hydrology, water quality, water resources conservation and management

Shutske, John, Associate Professor and Extension Agricultural Safety and Health Specialist
Ph.D., Purdue University
Agricultural safety and health, injury prevention, human factors engineering
Ellis, John, Professor  
Ph.D., Massachusetts Institute of Technology  
Inorganic chemistry

Forster, Craig, Associate Professor  
Ph.D., Cornell University  
Organic and biological chemistry

Gentry, W. Ronald, Professor  
Ph.D., University of California, Berkeley  
Physical chemistry

Glazebrook, Wayne, Professor  
Ph.D., Pennsylvania State University  
Inorganic, materials, and organic chemistry

§ Gray, Gary Professor  
Ph.D., University of Iowa  
Biological and organic chemistry

Hillmyer, Marc, Assistant Professor  
Ph.D., California Institute of Technology  
Organic chemistry

Hoyle, Thomas, Professor  
Ph.D., Harvard University  
Organic chemistry

Huang, Richard, Assistant Professor  
Ph.D., University of Chicago  
Organic chemistry

Kass, Steven, Professor  
Ph.D., Yale University  
Organic and physical chemistry

Leopold, Doreen, Associate Professor  
Ph.D., Harvard University  
Physical chemistry

Leopold, Ken, Professor  
Ph.D., Harvard University  
Physical chemistry

Lipsky, Sanford, Professor  
Ph.D., University of Chicago  
Physical chemistry

Liu, Hung-Wen, Professor  
Ph.D., Columbia University  
Biological and organic chemistry

Lodge, Timothy, Professor  
Ph.D., University of Wisconsin  
Analytical, materials, and physical chemistry

§ Mann, Kent, Professor  
Ph.D., California Institute of Technology  
Inorganic chemistry

§ Miller, Larry, Professor  
Ph.D., University of Illinois, Urbana-Champaign  
Organic and materials chemistry

Miller, Wilmer, Professor  
Ph.D., University of Wisconsin  
Physical chemistry

Munson, Eric, Assistant Professor  
Ph.D., Texas A&M University  
Analytical, materials, and physical chemistry

Musser-Forsyth, Karin, Associate Professor  
Ph.D., Cornell University  
Biological and physical chemistry

Noland, Wayland, Professor  
Ph.D., Harvard University  
Organic chemistry

O’Doherty, George, Assistant Professor  
Ph.D., Ohio State University  
Organic chemistry

¶ Pignolet, Louis, Professor  
Ph.D., Princeton University  
Inorganic and materials chemistry

Que, Larry, Professor  
Ph.D., University of Minnesota  
Inorganic and biological chemistry

Raftery, Michael, Professor  
Ph.D., National University of Ireland  
Biochemistry

Jeffrey Roberts, Associate Professor  
Ph.D., Harvard University  
Physical, inorganic and materials chemistry

Siepmann, J. Ilja, Assistant Professor  
Ph.D., University of Cambridge  
Physical, materials and computational chemistry

Stankovich, Marian, Professor  
Ph.D., University of Texas  
Analytical and biological chemistry

Stein, Andreas, Assistant Professor  
Ph.D., University of Toronto  
Inorganic, physical, and materials chemistry

¶ Tolman, William, Professor  
Ph.D., University of California, Berkeley  
Inorganic, organic, and biological chemistry

¶ Truhlar, Donald, Professor  
Ph.D., California Institute of Technology  
Physical and theoretical chemistry

York, Darin, Assistant Professor  
Ph.D., University of North Carolina, Chapel Hill  
Physical, theoretical, and computational chemistry

Zhu, Xiaoyang, Associate Professor  
Ph.D., University of Texas at Austin  
Materials, physical, and analytical chemistry

Civil Engineering

Arndt, Roger E. A., Professor  
Ph.D., Massachusetts Institute of Technology  
Cavitation and bubble dynamics, hydrodynamic noise generation by fluid flow

Barnes, Randall J., Associate Professor  
Ph.D., Colorado School of Mines  
Applied statistics; mathematical modeling; groundwater mechanics

Breznik, Patrick L., Professor  
Ph.D., University of Wisconsin  
Impacts of human activity on water quality/chemistry

Capel, Paul D., Adjunct Professor  
Ph.D., University of Minnesota  
Environmental water quality; chemodynamics; fate and transport

Crouch, Steven L., Professor  
Ph.D., University of Minnesota  
Boundary element methods applied to rock mechanics problems

Davis, Gary A., Associate Professor  
Ph.D., University of Washington  
Statistics in transportation planning, traffic control, traffic safety

Detournay, Emmanuel, Associate Professor  
Ph.D., University of Minnesota  
Mathematical modeling of geomechanical processes; poroelasticity

Dexter, Robert J., Associate Professor  
Ph.D., University of Texas at Austin  
Steel structures, fatigue and fracture, welding, wind loading

Drescher, Andrew, Professor  
Dr. Inz, Institute of Fundamental Technological Research, Poland  
Testing and modeling mechanical behavior of geomaterials

Farell, Cesar, Professor  
Ph.D., University of Iowa  
Fluid mechanics, hydraulic engineering, wind engineering, turbulent flows

Foufoula-Georgiou, Efstathios, Professor  
Ph.D., University of Florida  
Stochastic hydrology; multiscale processes; landform morphology; climate modeling

French, Catherine E., Professor  
Ph.D., University of Illinois  
Concrete behavior; materials/structural systems; earthquake engineering; durability

Gulliver, John S., Professor  
Ph.D., University of Minnesota  
Environmental fluid mechanics; chemical fate and transport

Guzina, Bojan B., Assistant Professor  
Ph.D., University of Colorado  
Mathematical modeling of wave propagation; seismic site characterization.

Hajjar, Jerome F., Associate Professor  
Ph.D., Cornell University  
Steel structures, composite structures, nonlinear analysis, testing, design

Hozalski, Raymond M., Assistant Professor  
Ph.D., Johns Hopkins University  
Water/wastewater treatment; biofilms; natural organic matter characterization

Johnson, Gerald W., Associate Professor  
Ph.D., University of Wisconsin, Madison  
Developing new applications of surveying and mapping

Labuz, Joseph F., Associate Professor  
Ph.D., Northwestern University  
Experimental geomechanics; fracture of quasi-brittle materials

Michalopoulos, Panos G., Professor  
Ph.D., University of Florida  
Traffic engineering operations and control; traffic flow theory

Newcomb, David E., Associate Professor  
Ph.D., University of Washington  
Bituminous materials, pavement design and pavement rehabilitation

Novak, Paige J., Assistant Professor  
Ph.D., University of Iowa  
Toxic compound biodegradation; interactions between anaerobes and metals

Parker, Gary, Professor  
Ph.D., University of Minnesota  
River engineering, mechanics and morphology and oceanic sedimentation

Reid, Kenneth J., Professor  
Ph.D., Cambridge University  
Process engineering in minerals, metallurgy and water resources

Schultz, Arturo E., Associate Professor  
Ph.D., University of Illinois, Urbana-Champaign  
Concrete behavior, masonry systems, steel-concrete construction, earthquake engineering

Semmens, Michael J., Professor  
Ph.D., University of London  
Physical-chemical processes in environmental science and engineering

Shield, Carol K., Associate Professor  
Ph.D., University of Illinois, Urbana-Champaign  
Solid mechanics modeling; composite materials

Smith, Karl A., Associate Professor  
Ph.D., University of Minnesota  
Project management, leadership, modeling, systems, engineering education

Snyder, Mark B., Associate Professor  
Ph.D., University of Illinois, Urbana-Champaign  
Pavement design, analysis and rehabilitation; concrete materials/durability

Song, Charles C. S., Professor  
Ph.D., University of Minnesota  
Computational hydrodynamics; hydraulic transients, fluid mechanics; systems analysis

Stefan, Heinz G., Professor  
Ph.D., University Paul Sabatier, Toulouse, France  
Water quality modeling, environmental fluid mechanics, hydraulic structures

Stolarski, Henryk K., Associate Professor  
Ph.D., Institute of Fundamental Technological Research, Warsaw, Poland  
Nonlinear structural mechanics; plates and shells; computational mechanics

Strack, Otto D. L., Professor  
Dr. Ir., Delft University of Technology, The Netherlands  
Computer and mathematical modeling of groundwater and transport

Voller, Vaughan R., Professor  
Ph.D., Sunderland Polytechnic, UK  
Numerical modeling of free and moving boundary problems

Computer Science

Boley, Daniel, Associate Professor  
Ph.D., Stanford University  
Numerical analysis, linear algebra, control theory

Carlisle, John, Associate Professor  
Ph.D., University of Minnesota  
Database systems

Du, David Hung-Chuang, Professor  
Ph.D., University of Washington, Seattle  
High-speed networking, multimedia applications, high-performance computing

Du, Ding-Zhu, Professor  
Ph.D., University of California, Santa Barbara  
Complexity theory, theory of computation, combinatorial optimization

Fox, David W., Professor  
Ph.D., University of Maryland  
Applied mathematics, eigenvalue problems

Gini, Maria, Professor  
Doctor of Physics, University of Milan  
Artificial intelligence, robotics

Heimdal, Mats, Assistant Professor  
Ph.D., University of California, Irvine  
Software engineering, safety critical systems

Interrante, Victoria, Assistant Professor  
Ph.D., North Carolina at Chapel Hill  
Visualization, visual perception, computer graphics, image processing, virtual reality

Janardan, Ravi, Professor  
Ph.D., Purdue University  
Computational geometry, algorithm and data structure design, computer graphics

Konstan, Joseph, Assistant Professor  
Ph.D., University of California, Berkeley  
Human-computer interaction, collaborative filtering, multimedia systems, hypermedia
Kumar, Vinip, Professor  
Ph.D., University of Maryland  
Parallel processing, data mining

Norberg, Arthur, Professor  
Ph.D., University of Wisconsin  
History of science and technology

Papanikolopoulos, Nikolaos, Associate Professor  
Ph.D., Carnegie Mellon University  
Robotics, computer vision, sensors for transportation applications

Park, Haesun, Professor  
Ph.D., Cornell University  
Numerical analysis, parallel computing

Riedl, John, Associate Professor  
Ph.D., Purdue University  
Collaborative systems, database systems, fault tolerance, computer networks, object-oriented systems

Saad, Yousef, Professor  
Doctorat, University of Grenoble, France  
Sparse matrix computations, parallel computation, eigenvalue problems, nonlinear equations

Shekar, Shashi, Associate Professor  
Ph.D., University of California, Berkeley  
Data and knowledge engineering, spatial database, geographic information systems

Shragowitz, Eugene, Professor  
Ph.D., National Science Research Laboratory, Moscow  
Computer aided design (CAD) of electronic systems, soft computing, combinatorial optimization

Slagle, James R., Professor  
Ph.D., Massachusetts Institute of Technology  
Artificial intelligence (expert systems, neural networks, automated temporal logic)

Srivastava, Jaideep, Associate Professor  
Ph.D., University of California, Berkeley  
Databases, multimedia systems, distributed computing

Tripathi, Anand, Associate Professor  
Ph.D., University of Texas at Austin  
Distributed and network computing systems, object-oriented programming

Tsai, Wei-Tek, Professor  
Ph.D., University of California, Berkeley  
Software engineering, Internet/intranet computing and software systems.

Voyles, Richard, Assistant Professor  
Ph.D., Carnegie Mellon University  
Real-time systems, robotics, multi-agent systems, teleaction

Yew, Pen-Chung, Professor  
Ph.D., University of Illinois, Urbana-Champaign  
Computer architecture, parallel machine design, parallelizing compilers

Zhang, Zhi-Li, Assistant Professor  
Ph.D., University of Massachusetts Amherst  
Computer networking and multimedia systems

---

**Earth Sciences**

* Alexander, Jr., E. Calvin, Professor  
Ph.D., University of Missouri, Rolla  
Hydrogeology, karst hydrogeology and geomorphology, isotopic geochemistry, groundwater pollution

Banerjee, Subir K., Professor  
Ph.D., Sc.D., Cambridge University  
Paleomagnetism, geomagnetism, climate change

Chandler, Val W., Adjunct Faculty  
Ph.D., Purdue University  
Gravity and magnetic exploration, Precambrian geology

Edward, R. Lawrence, Professor  
Ph.D., California Institute of Technology  
Isotope geochemistry, climatic and oceanographic changes

Engstrom, Daniel R., Adjunct Faculty  
Ph.D., University of Minnesota  
Paleolimnology, Limnology, geochemistry

Hirschmann, Marc M., Assistant Professor  
Ph.D., University of Washington  
Geochemistry and experimental petrology, igneous petrogenesis, mantle melting

Hooke, Roger LeB., Professor  
Ph.D., California Institute of Technology  
Geomorphology, glaciology, glacial and subglacial processes

Hudleston, Peter J., Professor  
Ph.D., Imperial College  
Structural geology, deformation, faults and folds, tectonic history

Ito, Emi, Professor  
Ph.D., University of Chicago  
Stable isotope geochemistry and paleoecology

Johnson, Robert, Adjunct Faculty  
Ph.D., Iowa State University  
Mechanisms of climate change

Karat, Shun-Ichiro, Professor  
Ph.D., University of Tokyo  
Mineral physics and geodynamics, energy transfer in terrestrial planets

Kelts, Kerry R., Professor  
Ph.D., Swiss Federal Institute of Technology (ETH)  
Limonite, biogeochemistry of biogeochemical systems

Kirby, Kent C., Adjunct Faculty  
Ph.D., University of Wisconsin, Madison  
Sedimentary geology, petroleum geology

Kleissl, Karen L., Associate Professor  
Ph.D., Princeton University  
Tectonics and basin analysis, neotectonics, sedimentary basins

Kohlstedt, David L., Professor  
Ph.D., University of Illinois  
Earth and planetary materials, mechanical properties of rocks, geodynamics and geochemistry

McSwiggen, Peter, Adjunct Faculty  
Ph.D., University of Minnesota  
Microbeam analysis and image processing

Miller, J. Robert, Adjunct Faculty  
Ph.D., University of Minnesota  
Geologic mapping, petrology, metallurgy

Morey, G.B., Professor  
Ph.D., University of Minnesota  
Geologic mapping, stratigraphy, economic geology, Minnesota geology

Moskowitz, Bruce M., Associate Professor  
Ph.D., University of Minnesota  
Rock magnetism, paleomagnetism, biogeochemistry

Murphy, V. Rama, Professor  
Ph.D., Yale University  
Geochemistry of the mantle, radiogenic isotopes systems

* Paola, Christopher, Professor  
Sc.D., Massachusetts Institute of Technology  
Woods Hole Oceanographic Institution  
Sedimentology, fluvial processes and morphology, stratigraphy

Patterson, Carrie J., Adjunct Faculty  
Ph.D., University of Minnesota  
Glacial processes, Minnesota glacial history; ice sheet dynamics

Person, Mark, Associate Professor  
Ph.D., Johns Hopkins University  
Computational hydrogeochemistry, continental rift basin hydrodynamics

Plank, Hans-Olaf, Professor  
Dr. Paris University  
Hydrogeology, groundwater-surface interactions, hydrocarbon contamination of shallow aquifers

Runkel, Anthony C., Adjunct Faculty  
Ph.D., University of Texas at Austin  
Stratigraphic and sedimentologic attributes of Paleozoic strata

Seyfried, J., William E., Professor  
Ph.D., University of Southern California  
Aqueous geochemistry, experimental and theoretical modeling of hydrothermal systems

Southwick, David L., Professor  
Ph.D., Johns Hopkins University  
Minnesota geology and hydrogeology, structural geology, metamorphic petrology, tectonics

Stout, James H., Professor  
Ph.D., Harvard University  
Petrology, geochemistry, materials science, igneous and metamorphic petrology

Teyssier, Christian, Professor  
Ph.D., Pennsylvania State University  
Structural geology and tectonics, orogenic processes, deformation and microstructures

Weiblen, Paul W., Professor Emeritus  
Ph.D., University of Minnesota  
Precambrian geology of Minnesota, crustal evolution and mineralization

Whitney, Donna L., Assistant Professor  
Ph.D., University of Washington  
Metamorphic geology and tectonics, tectonics and geochemistry of mountain belts

Wright, J.R., Herbert E., Regents' Professor Emeritus  
Ph.D., Harvard University  
Geological and sedimentary geology, paleontology, stratigraphy

---

**Electrical Engineering**

Albertson, Vernon D., P.E., Professor Emeritus  
Ph.D., University of Wisconsin, Madison  
Electric power analysis and transients, electromagnetic pulse effects

Alouini, Mohamed, Assistant Professor  
Ph.D., California Institute of Technology  
Wireless communications

Bailey, Frederick N., Professor  
Ph.D., University of Michigan  
Control systems, integrating new semiconductor technology

§ Campbell, Stephen A., Professor  
Ph.D., Northwestern University  
Materials and fabrication processes for silicon-based structures

Champlin, Keith S., Professor Emeritus  
Ph.D., University of Minnesota  
New devices for fabricating monolithic microwave integrated circuits

Cherkassky, Vladimir S., Associate Professor  
Ph.D., University of Texas at Austin  
Parallel processing, computer networks, fault-tolerant computing

Cohen, Philip L., Professor  
Ph.D., Physics, University of Wisconsin, Madison  
Microelectronics materials, crystal growth

Drayton, Rhonda Franklin, Assistant Professor  
Ph.D., University of Michigan  
High-frequency and microwave circuits

Ebbini, Emal S., Associate Professor  
Ph.D., University of Illinois, Urbana-Champaign  
Digital signal processing and biomedical engineering

Ernie, Douglas W., Associate Professor  
Ph.D., University of Minnesota  
Gaseous electronics and plasma engineering

Georgiou, Tryphon T., Professor  
Ph.D., University of Florida  
Control and systems theory, recursive modeling and system identification

Giannakis, Georgios B., Professor  
Ph.D., University of Southern California  
Statistical signal processing and its application to wired and wireless communications

§ Gohath, Anand, Professor  
Ph.D., University of Sheffield  
Microelectronics, microwaves, optics, optoelectronic devices

Harjani, Ramesh, Associate Professor  
Ph.D., Carnegie Mellon University  
Computer-aided design of analog circuits

Higman, Ted K., Associate Professor  
Ph.D., University of Illinois  
Electron device fabrication

Holte, James E., Associate Professor  
Ph.D., University of Minnesota  
Bioelectrical sciences and biomedical engineering

Judy, Jack H., Professor  
Ph.D., University of Minnesota  
Magnetic and magnetic recording, multilayer thin film materials

Kain, Richard Y., Professor Emeritus  
Sc.D., Massachusetts Institute of Technology  
Computer system architecture

§ Kaveh, Mostafa, Professor  
Ph.D., Purdue University  
Statistical signal processing, communications, and image processing

Kieffer, John, Professor  
Ph.D., University of Illinois, Urbana-Champaign  
Information theory, communications, digital signal processing

Kiehl, Richard A., Professor  
Ph.D., Purdue University  
Microelectronics and nanoelectronics

Kinney, Larry L., Professor  
Ph.D., University of Iowa  
Digital system and digital computer design

Kumar, K. S. P, Professor  
Ph.D., Purdue University  
Adaptive control, self-tuning regulators, and system identification
microactuators

Sonics and ultrasonics, sensors and

Robbins, William P., Professor
Ph.D., University of Minnesota
Waves and fluids

§ Leger, James R., Professor
Ph.D., University of California, San Diego
Micro-optics, Fourier optics and holography

§ Lilja, David, Associate Professor
Ph.D., University of Illinois, Urbana-Champaign
High-performance computer architecture, parallel processing, supercomputing

Marculescu, Radu, Assistant Professor
Ph.D., University of Southern California, Los Angeles
CAD

Maziar, Christine M., Professor
Ph.D., Purdue University
Semiconductor devices

§ Mohan, Ned, Professor
Ph.D., University of Wisconsin, Madison
Power electronics and electromechanics for motion control

Moon, Jaekyun, Associate Professor
Ph.D., Carnegie Mellon University
Communications and signal processing

Nathan, Marshall I., Professor
Ph.D., Harvard University
High speed III-V semiconductor device physics

Nussbaum, Allen, Professor Emeritus
Ph.D., University of Pennsylvania
Basic principles of heterojunctions

O'Keefe, Matthew T., Associate Professor
Ph.D., Purdue University
Parallel processing with emphasis on parallel computer architectures

Osram, Hendrik J., Professor Emeritus
Ph.D., University of Utrecht
Microscopic and macroscopic properties of gaseous plasmas

Parhi, Keshab, Professor
Ph.D., University of California, Berkeley
VLSCI (Very Large Scale Integration) signal and image processing

§ Peria, William T., Professor
Ph.D., University of British Columbia
Physical electronics, fabrication of integrated circuits

Piice, William, Associate Professor Emeritus
Ph.D., University of Minnesota
Computer architecture and logic design

§ Polla, Dennis L., Professor
Ph.D., University of California, Berkeley
Design and fabrication of integrated microsensors and microactuators

Riaz, Mahmoud, Professor
Sc.D., Massachusetts Institute of Technology
Electrical energy conversion, control, and processing

Robbins, William P., Professor
Ph.D., University of Washington
Sonics and ultrasonics, sensors and microactuators

Rudin, Paul, Professor
Ph.D., University of California, Berkeley
Theory of novel semiconductor devices

Sapatnekar, Sachin, Associate Professor
Ph.D., University of Illinois at Urbana-Champaign
Computer aided design of VLSI systems

Sapio, Guillermo, Assistant Professor
Sc.D., Technion University, Israel
Computer vision systems

Sobelman, Gerald E., Associate Professor
Ph.D., Harvard University
VLSI design

Talghader, Joseph, Assistant Professor
Ph.D., University of California, Berkeley
Microelectronics, optoelectronics

Tannenbaum, Allen R., Professor
Ph.D., Harvard University
Controlled active vision

Tewfik, Ahmed H., Professor
Sc.D., Massachusetts Institute of Technology
Signal processing for multimedia

Vicenta, Randall, Associate Professor
Ph.D., University of California, Berkeley
Magnetics

Vinnakota, Biprapu, Associate Professor
Ph.D., Princeton University
Digital systems, testing, CAD for testing, fault tolerance correlations

Warner, J.R., R.M., Professor Emeritus
Ph.D., Case Institute of Technology
Electronic device and circuit development

Wollenberg, Bruce F., Professor
Ph.D., University of Pennsylvania
Power systems engineering

Geological Engineering
Faculty listed under Civil Engineering

Mathematics

Adams, Scott, Associate Professor
Ph.D., University of Chicago
Dynamical systems, differential geometry

Aeppli, Alfred, Professor
Ph.D., ETH, Zurich, Switzerland
Topology and geometry

Agard, Stephen, Professor
Ph.D., University of Michigan
Complex analysis

Anderson, Greg, Professor
Ph.D., Princeton University
Number theory

Aronson, Donald, Professor
Ph.D., Massachusetts Institute of Technology
Dynamical systems, differential equations

Baxter, John R., Professor
Ph.D., University of Toronto
Probability

Branson, Maury, Professor
Ph.D., Cornell University
Probability

Chow, Ben, Associate Professor
Ph.D., Princeton University
Geometric analysis, differential geometry

Cockburn, Bernardo, Associate Professor
Ph.D., University of Chicago
Numerical analysis

Conn, Jack, Associate Professor
Ph.D., Princeton University
Mathematical physics

Eagon, John A., Professor
Ph.D., University of Chicago
Commutative rings

Edelman, Paul, Professor
Ph.D., Massachusetts Institute of Technology
Combinatorics

Feshbach, Mark, Professor
Ph.D., Stanford University
Topology

§ Frank, David, Associate Professor
Ph.D., University of California, Berkeley
Topology

Friedman, Avner, Regent's Professor
Ph.D., Hebrew University
Applied mathematics, differential geometry

Fristedt, Bert, Professor
Ph.D., Massachusetts Institute of Technology
Probability

Furth, E. Gebhard, Associate Professor
Ph.D., University of California, Berkeley
Logic

Garrett, Paul, Professor
Ph.D., Princeton University
Number theory

Gershenson, Hillel, Associate Professor
Ph.D., University of Chicago
Topoogy

Goldman, Jay, Professor
Ph.D., Princeton University
Combinatorics and knots

Gray, Lawrence, Professor
Ph.D., Cornell University
Probability

Gulliver, Robert, Professor
Ph.D., Stanford University
Partial differential equations, geometry

Harper, Laurence R., Associate Professor
Ph.D., University of Chicago
Algebra

Harris, Morton, Professor
Ph.D., Harvard University
Group theory

Hejhal, Dennis, Professor
Ph.D., Stanford University
Analysis, number theory

Jain, Naresh, Professor
Ph.D., Stanford University
Probability

Jian, Dihua, Assistant Professor
Ph.D., Ohio State University
Group representation theory

Jodeit, Max A., Professor
Ph.D., Rice University
Harmonic analysis

Kahn, Donald, Professor
Ph.D., Yale University
Topoogy

Kenney, Harvey B., Professor
Ph.D., Wesleyan University
Topological dynamics

§ Krylov, N.V., Professor
D.Sc., Moscow State University
Probability and partial differential equations

Kuske, Rachel, Assistant Professor,
McKnight Land-Grant Professor
Ph.D., Northwestern University
Applied mathematics

Leung, Nai-Chung, Assistant Professor
Ph.D., Massachusetts Institute of Technology
Geometric analysis

Littman, Walter, Professor
Ph.D., New York University
Partial differential equations

Lowengrub, John, Associate Professor,
McKnight Land-Grant Professor
Ph.D., New York University
Numerical analysis

Luskin, Mitchell, Professor
Ph.D., University of Chicago
Partial differential equations

Lyubeznik, Gennady, Professor
Ph.D., Columbia University
Commutative algebra, algebraic geometry

Marden, Albert, Professor
Ph.D., Harvard University
Complex analysis

McCarthy, Charles, Professor
Ph.D., Yale University
Functional analysis

Mc Gee, Richard, Professor
Ph.D., University of Wisconsin
Dynamical systems

Meng, William, Professor
Ph.D., Princeton University
Algebraic geometry

Meyers, Norman, Professor
Ph.D., Indiana University
Partial differential equations

Miller, Willard, Professor
Ph.D., University of California, Berkeley
Applied mathematics

Miracle, Chester, Associate Professor
Ph.D., University of Kentucky
Complex analysis

Mocek, Richard, Professor
Ph.D., University of Wisconsin
Dynamical systems

Neuhausser, Claudia, Associate Professor
Ph.D., Cornell University
Probability

Ni, Wei-Ming, Professor
Ph.D., New York University
Partial differential equations

Nitsche, Johannes, Professor
Dr. Phil., University of Gottingen, Germany
Partial differential equations, minimal surfaces

Olver, Peter, Professor
Ph.D., Harvard University
Mathematical physics

Pou-EI, Marian B., Professor
Ph.D., Harvard University
Mathematical logic

Prikry, Karel, Professor
Ph.D., University of California, Berkeley
Logic and set theory

Reich, Edgar, Professor
Ph.D., University of California, Los Angeles
Complex variables
Reiner, Victor, Associate Professor, McKnight Land Grant Professor
Ph.D., Massachusetts Institute of Technology
Combinatorics

Reitich, Fernando, Associate Professor
Ph.D., University of Minnesota
Applied mathematics

Reijo, Peter, Professor
Ph.D., New York University
Functional analysis

Richter, Wayne, Associate Professor
Ph.D., Princeton University
Logic and set theory

Roberts, Joel, Professor
Ph.D., Harvard University
Commutative algebra

Safonov, Mikhail, Professor
Ph.D., Moscow State University
Probability and partial differential equations

Santosa, Fadil, Professor
Ph.D., University of Illinois
Applied mathematics

Sattiger, David, Professor
Ph.D., Massachusetts Institute of Technology
Applied mathematics

Sell, George R., Professor
Ph.D., University of Michigan
Differential equations

Sibuya, Yasutaka, Professor
D.Sc., Tokyo University
Ordinary differential equations

Sperber, Steven L., Professor
Ph.D., University of Pennsylvania
Algebraic number theory and geometry

Stanton, Dennis, Professor
Ph.D., University of Wisconsin
Combinatorics

Storvick, David, Professor
Ph.D., University of Michigan
Complex variables

Sverak, Vladimir, Professor
Ph.D., Charles University, Prague, Czech Republic
Calculus of variations, non-linear elasticity

Webb, Peter, Professor
Ph.D., University of London
Group theory

White, Dennis, Professor
Ph.D., University of California, San Diego
Combinatorics

Mechanical Engineering

Arora, Sant Ram, Professor
Ph.D., John Hopkins University
Optimization concepts, resource allocation, capacity sizing, production facilities

Bar-Cohen, Avram, Professor
Ph.D., Massachusetts Institute of Technology
Boiling/two-phase flow, electronic packaging, manufacturing process

Benjaafar, Saifallah, Associate Professor
Ph.D., Purdue University
Modeling, design and control of automated manufacturing of production systems

Bischof, John C., Associate Professor
Ph.D., University of California at Berkeley
Biomechanics, bioheat and mass transfer, cryobiology, hypothermia

Blackshear, Perry L. Jr., Professor Emeritus
Ph.D., Case Institute of Technology
Bioengineering, combustion, applied thermodynamics

Chase, Thomas R., Associate Professor
Ph.D., University of Minnesota
Computer-aided design, mechanical engineering database, kinematics, machine design

Davidson, Jane H., Associate Professor
Ph.D., Duke University
Fluid mechanics, solar energy, environmental engineering

Donath, Max, Professor
Ph.D., Massachusetts Institute of Technology
Sensors and control systems as applied to robotics and vehicles

Durfee, William K., Associate Professor
Ph.D., Massachusetts Institute of Technology
Product design, real-time control, biomechanics, rehabilitation engineering

Eckert, Ernst R. G., Regent's Professor Emeritus
Dr. habil., Institute of Technology - Danzig
Heat and mass transfer, thermodynamics

Erdal, Merve, Assistant Professor
Ph.D., University of Illinois at Chicago
Processing of high-performance materials, fluid mechanics, heat and mass transfer

Erdman, Arthur G., Professor, Ph.D.
Ph.D., Rensselaer Polytechnic Institute
Computer-aided design, kinematics, biomechanics, microelectromechanical systems

Fletcher, Edward A., Professor Emeritus
Ph.D., Purdue University
Applied thermodynamics, very high temperature solar processes and thermochemistry

Frohrib, Darrell A., Professor
Ph.D., University of Minnesota
Engineering design, vibration

Garrick, Sean, Assistant Professor
Ph.D., State University of New York at Buffalo
Heat and mass transfer, fluid mechanics, numerical methods

Girshick, Steven L., Professor
Ph.D., Stanford University
Plasma technology, materials synthesis, nucleation theory

Goldstein, Richard J., Regent's Professor
Ph.D., University of Minnesota
Heat transfer, thermodynamics, fluid mechanics

Gopal, Dwakar, Associate Professor
Ph.D., University of Waterloo
Stochastic processes and queueing systems

Hayes, Caroline C., Associate Professor
Ph.D., Carnegie Mellon University
Manufacturing planning and feature extraction, artificial intelligence

Heberlein, Joachim V. R., Professor
Ph.D., University of Minnesota
Plasma technology, electrode effects, plasma coating and waste-treatment processes

Ibele, Warren E., Professor
Ph.D., University of Minnesota
Heat transfer, thermodynamics, power

Kittelson, David B., Professor
Ph.D., University of Cambridge, England
Energy conversion, particle technology, combustion and propulsion

Klamecki, Barney E., Associate Professor
Ph.D., University of Illinois, Urbana-Champaign
Manufacturing process modeling and control theory

Kortshagen, Uwe, Assistant Professor
Dr. rer. nat., University of Bochum, Germany
Low-pressure processing plasma, plasma contamination control, plasma modeling

Kuehn, Thomas H., Professor, P.E.
Ph.D., University of Minnesota
HVAC and refrigeration, heat and mass transfer, filtration

Kulacki, Francis A., Professor
Ph.D., University of Minnesota
Convective transfer in porous and fractured media

Kvalseth, Tarald O., Professor
Ph.D., University of California, Berkeley
Human factors and ergonomics

Lewis, Jack L., Professor
Ph.D., University of California, Berkeley
Biomechanics

Li, Perry W., Assistant Professor
Ph.D., University of California, Berkeley
Nonlinear and intelligent control, biomechanics, rehabilitation engineering, transportation systems, manufacturing

Liu, Benjamin Y. H., Regent's Professor
Ph.D., University of Minnesota
Particle technology, environmental control, solar energy

Mantell, Susan C., Associate Professor
Ph.D., Stanford University
Manufacturing and design with composite materials

Marple, Virgil A., Professor
Ph.D., University of Minnesota
Particle technology and aerosol science, environmental engineering

McMurry, Peter H., Professor
Ph.D., California Institute of Technology
Aerosol science and engineering, environmental engineering

Nelson, Bradley, Associate Professor
Ph.D., Carnegie Mellon University
Intelligent control systems

Okada, Katsuhiro, Professor
Ph.D., University of California, Berkeley
Control systems, optimization techniques

Patankar, Suhas V., Professor
Ph.D., University of London, England
Heat and mass transfer, fluid

Pfender, Emil, Professor
Ph.D., University of California, Berkeley
Particle technology and aerosol science, environmental engineering

Ramalingam, Subbiah, Professor
Ph.D., University of Illinois, Urbana-Champaign
Manufacturing sciences, machining, metalworking, tribology, arc technology, coating technology

Ramsey, James W., Professor
Ph.D., University of Minnesota
Heat and mass transfer, thermal environmental engineering

Scott, Charles J., Associate Professor
M.S., University of Minnesota
Heat and mass transfer, fluid mechanics, thermodynamics

Shulman, Yechiel, Professor
Sc.D., Massachusetts Institute of Technology
Management of technology

Simon, Terrence W., Ph.D. (Colorado), Professor
Ph.D., Stanford University
Heat transfer, fluid mechanics, thermodynamics

Starr, Patrick J., Professor
Ph.D., University of Minnesota
Modeling and simulation as applied to manufacturing systems and vehicle dynamics

Stelson, Kim A., Professor
Sc.D., Massachusetts Institute of Technology
Manufacturing, system dynamics and controls

Strykowski, Paul J., Professor
Ph.D., Yale University
Fluid mechanics, stability, mixing, turbulence control

Tamma, Kumar K., Professor
Ph.D., Old Dominion University
Finite elements, computational mechanics, structural dynamics

Zachariah, Michael R., Associate Professor
Ph.D., University of California, Los Angeles
Aerosol science and nanomaterials, applied laser diagnostics

Physics

Bayman, Benjamin F., Professor
Ph.D., University of Edinburgh
Research in theoretical nuclear physics

Broadhurst, John H., Professor
Ph.D., University of Birmingham
Experimental astrophysics, biophysics and nuclear physics

Cahill, Laurence J., Jr., Professor Emeritus
Ph.D., University of Iowa
Experimental space physics

Campbell, Charles E., Professor
Ph.D., Washington University, St. Louis
Theoretical condensed matter physics

Cattell, Cynthia, Associate Professor
Ph.D., University of California, Berkeley
Particle acceleration in astrophysical plasmas, auroa, space physics

Courant, Hans W., Professor Emeritus
Ph.D., Massachusetts Institute of Technology
Experimental high-energy physics

Crowell, Paul, Assistant Professor
Ph.D., Cornell University
Experimental condensed matter physics
Cushman, Priscilla, Associate Professor
Ph.D., Rutgers University
Experimental particle physics, neutrino mass, medical imaging techniques

§ Dahlberg, E. Dan, Professor
Ph.D., University of California at Los Angeles
Magnetism in films, electrical conduction and magnetic microscopy

Dasgupta, Chandan, Adjunct Professor
Ph.D., University of Pennsylvania
Theoretical condensed matter physics

de Forcrand, Philippe, Adjunct Professor
Ph.D., University of California, Berkeley
Theoretical elementary particle physics

Dehnhard, Dietrich K., Professor
Ph.D., University of Marburg
Experimental physics; interaction between mesons, nucleons, and nuclei

§ Ellis, Paul J., Professor
Ph.D., University of Manchester, U.K.
Research in theoretical nuclear physics

Erickson, Kenneth N., Adjunct Professor
Ph.D., Colorado State University
Experimental astrophysics

Freier, George D., Professor Emeritus
Ph.D., University of Minnesota
Atmospheric physics

Ganz, Eric, Associate Professor
Ph.D., University of California, Berkeley
Experimental condensed matter physics

Gasiorowicz, Stephen, Professor Emeritus
Ph.D., University of California at Los Angeles
Theoretical particle physics; field theory; quantum chromodynamics

Giese, Clayton F., Professor
Ph.D., University of Minnesota
Chemical physics, superfluid helium, optics

Glazman, Leonid, Professor
Ph.D., Institute of Low Temperature Physics, Ukraine Academy of Sciences, U.S.S.R.
Condensed matter theory, mesoscopic correlated electron systems

§ Goldman, Allen M., Professor
Ph.D., Stanford University
Experimental condensed matter physics, superconductivity, disordered and dimensionally constrained materials

Greenlees, George W., Professor Emeritus
Ph.D., Cambridge University
Experimental nuclear physics; laser spectroscopy; quantum optics

Hailey, J. Woods, Professor
Ph.D., University of California, Berkeley
Theoretical condensed matter physics

Hamermesh, Morton, Professor Emeritus
Ph.D., New York University
Theoretical physics; mathematical physics

Hanany, Shaul, Assistant Professor
Ph.D., Columbia University
Experimental/observational astrophysics and cosmology

§ Heller, Kenneth, Professor
Ph.D., University of Washington
Undergraduate problem-solving, especially neutrino

Hintz, Morton M., Professor Emeritus
Ph.D., Harvard University
Experimental nuclear physics

§ Hobbie, Russell K., Professor Emeritus
Ph.D., Harvard University
Medical physics

Hosotani, Yutaka, Professor
Ph.D., University of Tokyo
Theoretical physics, gauge theory, string theory

Huang, Cheng-Cher, Professor
University of Pennsylvania
Experimental condensed matter physics - liquid crystals

Isaak, George R., Adjunct, Professor
Ph.D., University of Birmingham
Experimental astrophysics

§ Johnson, Walter H., Professor Emeritus
Ph.D., University of Minnesota
Experimental physics; mass spectrometers

§ Jones, Roger S., Professor
Ph.D., University of Illinois
Physics philosophy, humanistic physics, physics education

Kakalios, James, Associate Professor
Ph.D., University of Chicago
Experimental condensed matter physics - amorphous semiconductors and granular media

§ Kapusta, Joseph, Professor
Ph.D., University of California at Berkeley
Theoretical high-energy nuclear physics, early universe

Kellogg, Paul J., Professor Emeritus
Ph.D., Cornell University
Physics of plasmas, generation of plasma waves

Kubota, Yuichiro, Associate Professor
Ph.D., Tokyo University
Heavy flavor physics in experimental particle physics

Larkin, Anatoly, Professor
Ph.D., Kurchatov Institute of Atomic Physics
Theoretical condensed matter physics

§ Lysak, Robert, Professor
Ph.D., University of California at Berkeley
Theoretical space physics

Mantis, Homer T., Professor Emeritus
Ph.D., New York University
Atmospheric physics

Marquit, Erwin, Professor
Ph.D., University of Warsaw
Philosophy of science

§ Marshak, Marvin L., Professor
Ph.D., University of Michigan
Experimental high-energy physics

McLerran, Larry, Professor
Ph.D., University of Washington
Particle and nuclear theory; particle-astrophysics

§ Olive, Keith A., Professor
Ph.D., University of Rochester
Early universe cosmology, high energy physics

Peipin, Robert, Professor
Ph.D., University of California at Berkeley
Origin and evolution of the solar system

Peterson, Earl A., Professor
Ph.D., Stanford University
High energy physics: proton decay and neutrino oscillations

§ Poling, Ronald A., Professor
Ph.D., University of Rochester
Experimental elementary particle physics, specializing in b quarks

Qian, Yong-Zhong, Assistant Professor
Ph.D., University of California, San Diego
Theoretical nuclear astrophysics

§ Rudaz, Serge, Professor
Ph.D., Cornell University
Theoretical high-energy physics, supersymmetry, astroparticle physics

Ruddick, Keith, Professor
Ph.D., University of Birmingham
Experimental high-energy physics

Rusack, Roger, Associate Professor
Ph.D., Imperial College, U.K.
Experimental high-energy physics

Shapiro, Alan E., Professor
Ph.D., Yale University
History of science; Newton; optics; Scientific Revolution

Shifman, Mikhail, Professor
Ph.D., University of Moscow
Theoretical high-energy physics

Shkilovskii, Boris, Professor
Ph.D., University of Leningrad
Theoretical condensed matter physics

Stuewer, Roger H., Professor
Ph.D., University of Wisconsin, Madison
History of nuclear and quantum physics

Tang, Yau-Chien, Professor Emeritus
Ph.D., University of Illinois
Theoretical nuclear physics

Vainshtein, Arkady, Professor
Ph.D., University of Novosibirsk
Theoretical high-energy physics

Valls, Oriol T., Professor
Ph.D., Brown University
Theoretical condensed matter physics

Voloshin, Mikhail, Professor
Ph.D., Institute of Theoretical and Experimental Physics, Moscow
Theoretical physics of elementary particles, quantum field theory

Waddington, Cecil j., Professor Emeritus
Ph.D., University of Bristol
Experimental astrophysics; cosmic ray physics

§ Walsh, Thomas F., Professor
Ph.D., University of California, Berkeley
Theoretical high-energy physics

Weymann, Walter, Professor
Ph.D., Harvard University
Nuclear magnetic effects at very low temperatures

Winckler, John R., Professor Emeritus
Ph.D., Princeton University
Experimental space physics

Wygant, John, Assistant Professor
Ph.D., Princeton University
Space plasma physics

Zimmermann, William, Jr., Professor
Ph.D., California Institute of Technology
Physics of superfluid liquid helium

Statistics

Bingham, Christopher, Professor
Ph.D., Yale University
Directional data analysis, time series analysis, multivariate analysis

Chaloner, Kathryn M., Professor
Ph.D., Carnegie Mellon University
Bayesian statistics, experimental design, AIDS clinical trials

Cook, R. Dennis, Professor
Ph.D., Kansas State University
Experimental design, linear and nonlinear models, regression diagnostics, graphical methods

Dickey, James M., Professor
Ph.D., University of Michigan
Bayesian statistics, expert opinion, probability modelling, smoothing methods

Eaton, Morris L., Professor
Ph.D., Stanford University
Multivariate analysis, probability inequalities, decision theory, Bayesian inference

Geisser, Seymour, Professor
Ph.D., University of North Carolina, Chapel Hill
Bayesian inference, model selection, prediction, sample reuse, screening tests

Geyer, Charles J., Associate Professor
Ph.D., University of Washington
Constrained maximum likelihood, Monte Carlo likelihood, Markov chain Monte Carlo

Grund, Birgit, Associate Professor
Ph.D., Humboldt-Universität, Berlin
Curve estimation, kernel smoothing, AIDS research

Hawkins, Douglas M., Professor
Ph.D., Witwatersrand, Johannesburg, South Africa
Quality improvement, case diagnostics, geostatistics

Louis, Thomas A., Professor
Ph.D., Columbia University
Biostatistics, empirical Bayes, spatial statistics, risk assessment

Martin, Frank B., Associate Professor
Ph.D., Iowa State University
Experimental design, analysis of variance procedures, finite population sampling

Meeden, Glen D., Professor
Ph.D., University of Illinois
Bayesian inference, decision theory, finite population sampling

Oehlert, Gary W., Professor
Ph.D., Yale University
Data analysis, environmental trend analysis, nonparametric regression

Pruiti, Ronald, Associate Professor
Ph.D., University of California, Davis
Nonparametrics, survival analysis

Qiu, Peihua, Assistant Professor
Ph.D., Ohio State University
Nonparametric curve/surface fitting, image processing, survival analysis

§ Sudderth, William D., Professor
Ph.D., University of California, Berkeley
Probability theory, stochastic games, foundations of statistics

Tierney, Luke, Professor
Ph.D., Cornell University
Reliability models, inference, approximate Bayesian methods, statistical computing

Weisberg, Sanford, Professor
Ph.D., Harvard University
Regression and modelling, diagnostics, graphical methods, computing
Index

Index Key
The numbers following each index entry show the type of information that can be found about the entry.
For example:
Civil Engineering 247, 306, 467
The bold number indicates degree program majors, minors, concentrations, and specializations.
The underlined number indicates courses.
The italicized number indicates faculty.

A

Abbreviations, Course (inside back cover) 3
Absences 27, 30
Academic Progress 27
Academic Progress Audit System (APAS) 10, 27
Academic Success 10
Access to Educational Records 27
Accounting 181, 272, 461
Accreditation 9
Actuarial Science 182, 461
Administration and Faculty 438
Admission Policies, Undergraduate Colleges 19
Admissions 14, 23
Adult Education (AdEd) 278
Adult Special Students 16
Advanced Placement (AP) 17
Advertising/Public Relations 154
Advising 10, 27
Aerospace Engineering 241, 465
Aerospace Engineering and Mechanics (AEM) 278
Aerospace Studies 231, 280
Afro-American and African Studies 129, 453
Afro-American Studies (Afro) 280
Agricultural and Food Business Management 41, 441
Agricultural Education 43, 93, 440, 450
Agricultural Leadership, Training, and Development 44, 94, 440, 450
Agricultural Science and Technology Education 43, 93, 440, 450
Natural and Managed Environmental Education 45, 95, 440, 450
Agricultural Education and Extension (AgEE) 281
Agricultural Engineering 243
Agricultural Engineering Technology (AgET) 282
Agricultural, Food, and Environmental Sciences, College of 15, 19, 33, 440
Agricultural Industries and Marketing 46, 282, 440, 441, 442, 443, 444
Agriculture (Agri) 283
Agriculture, International 51, 440
Agriculture, Science in 53, 420, 440, 442, 443, 444
Agriculture, Sustainable 56, 440
Agronomy and Plant Genetics (Agro) 283
Akkadian (Akka) 283
Alumni Association 23
American Indian Studies 129, 284, 453

B

Banking Services 24
Bell Museum 23
Biblical Studies 135, 454
Biochemistry 76, 97, 45
Biological Sciences, College of 15, 19, 65
Biology 77, 135, 292, 447
Biology, Conservation 204, 463
Biomedical Engineering (BMEn) 299
Biosystems and Agricultural Engineering 243, 300, 442, 446
Bookstores 12, 23
Boynton Health Service 22, 23, 24
Building Science and Technology, Residential 218, 463
Business Administration (BA) 300
Business and Industry Education 96, 300, 450
General Industrial Education 96, 450
Vocational and Technical Education 96, 450
Business, Government, and Society (BGS) 302
Business Law (BLaw) 302

C

Calendars, Academic 6
Campus Events 22, 23
Campus Information 23
Campus Involvement Center 22
Campus Visits and Tours 14
Career & Internship Services Program 13
Career Planning 11
Cell Biology and Neuroanatomy (CBN) 302
Central Asian Studies (CAS) 302
Change of College or Status Within the University 16, 27
Check Cashing 24
Chemical Engineering 245, 302, 466
Chemistry 136, 246, 303, 466
Chicano Studies 136, 304, 454
Child Care 24
Child Psychology 137, 305, 449
Chinese 138, 305, 454
Civil Engineering 247, 306, 467
Classical Civilization 138, 308, 454
Classics (Clas) 308
Class Schedule 3, 10, 21
Class Standing 27
Clinical Laboratory Science (CLS) 310
Clothing Design 113, 451
Coaching 97, 450
College Level Examination Program (CLEP) 17
College of Liberal Arts (CLA) 310
College of Veterinary Medicine (CVM) 310
Communication Disorders (CDs) 310
Community Development and Policy 116, 451
Comparative Literature (ClAt) 311
Comparative Studies in Discourse and Society (CSDS) 311
Computer Engineering 248, 468
Computer Science 139, 249, 312, 467
Computing Resources 11, 12, 23
Conduct Code 27
Conservation Biology 204, 463
Construction Management 272, 313
Coptic (Copt) 314
Copying Services 23
Counseling & Consulting Services, University 11, 23
Counseling Services 11, 23
Course Guide 3, 10, 21
Course Numbering and Symbols 28, inside back cover
Course Preparation, High School 15
Course Prerequisites 31
Courses 276
Courses, Withdrawal From 32
Credit by Examination 28
Credit Limits and Load 28
Credit, Transfer 17
Criminology 165
Crops and Soils Resources Management 49, 440, 442, 443, 444
Cultural Studies and Comparative Literature 139, 314, 454
Curriculum and Instruction (CI) 315

D

Dance 140, 315, 460
Danish 164, 316, 456
Dean’s List 28
Declaring a Major 28
Degrees and Majors 4
Dental Hygiene 15, 19, 81, 316, 448
Design, Housing, and Apparel (DHA) 317
Law, Criminology, and Deviance 165
Learning and Academic Skills Center 11, 23
Learning and Academic Skills (LASk) 376
Learning Resource Centers (African American, American Indian, Asian/Pacific, Chicano/Latino) 11, 23
Leave of Absence 30
Legal Services 24
Liberal Arts, College of 15, 20, 119, 310, 453
Liberal Education Requirements 30
Libraries 12, 24
Linguistics 155, 376, 457
Loans 21
Lost and Found 24

M
Major, Declaring a 28
Majors and Degrees 4
Management (Mgmt) 377
Management and Finance (Housing Studies) 116, 451
Management, Carlson School of 15, 20, 172, 461
Management, General 182, 461
Management Information Systems 182, 462
Maps 476
Marathi (Mar) 377
Marketing 183, 378, 462
Mass Communication, Journalism and 153, 370, 457
Materials Science (MatS) 378
Materials Science and Engineering 255, 466
Mathematics 156, 256, 379, 469
Mechanical Engineering 257, 381, 470
Medical Technology 15, 20, 184, 383, 462
Medicinal Chemistry (MedC) 384
Medieval Studies 156, 384, 453
Merchandising, Retail 118, 451
Michigan English Language Assessment Battery (MELAB) 14
Microbial Engineering (MicE) 384
Microbiology 79, 156, 384, 447
Middle Eastern Languages and Cultures (MELC) 385
Midwest Student Exchange Program (MSEP) 19
Military Science 228, 385
Minnesota Daily, The 23
Minnesota Transfer Curriculum (MTC) 17, 31
Mission Statement, University 9
Modern Greek (MdGk) 386
Mortuary Science 15, 20, 192, 386, 463
Museum Studies (MSt) 386
Music 157, 387, 457
Music, Applied (MusA) 390
Music Education 158, 393, 457
Music Therapy 158, 457
Music-Jazz Studies 159, 457
Music-Performance 159, 457

N
National Student Exchange Program 13, 16
Natural and Managed Environmental Education 45, 95, 440, 450
Natural Resources and Environmental Studies 208, 393, 463
Environmental Assessment and Monitoring 209, 463
Environmental Education 210, 463
Planning, Policy, and Law 210, 463
Resource Conservation and Environmental Management 211, 463
Water and Soil Resources 212, 463
Natural Resources, College of 15, 20, 197, 463
Naval Science 231, 395
Neuroscience 79, 395, 448
Norwegian 164, 396, 456
Notary Service 24
Numbering, Course (inside back cover) Nursing 219, 396, 464
Nursing, School of 15, 20, 219, 464
Nutrition 52, 117, 442, 452
Coordinated Program in Dietetics 52, 117, 442, 452
Didactic Program in Dietetics 52, 117, 442, 452
Nutrition Science 52, 118, 442, 452

O
Operations and Management Science (OMS) 398
Orientation 14
OSLO (Office for Special Learning Opportunities) 13
Otolaryngology (Otol) 398

P
Paper Science and Engineering 216, 463
Pharmacology (Phcl) 398
Pharmacy Practice (Phar) 398
Preparation, Academic 27
Progress, Academic 27
Probation 31
Pre-Veterinary Medicine 206
Probation 31
Program for Individualized Learning 268
Progress, Academic 27
Psychology 162, 405, 458
Public Affairs (PA) 410
Public Health (PubH) 413
Public Relations 154

Q
Quarter to Semester Credits 17

R
Readmission 14, 31
Reciprocity 19
Recreation, Park, and Leisure Studies 99, 415, 450
Recreation Resource Management 213, 463
Recreational Sports 22
Regents 440
Registration 10, 21, 24, 27
Religions in Antiquity (RelA) 415
Religious Studies 162, 417, 453
Repetition of Courses 29
Research Opportunities, Undergraduate 13
Reserve Officers Training Corps (ROTC) 225
Residence Halls 22, 24
Residence Requirement for Graduation 17, 30
Residency 19
Residential Building Science and Technology 218, 463
Resource Conservation and Environmental Management 211, 463
Retail Merchandising 118, 451
Rhetoric (Rhet) 417
Right-to-Know Act, Student 32
Risk Management and Insurance 183, 461
ROTC 225
Russian 163, 418, 459
Russian Area Studies 163, 453

S
Sanskrit (Skt) 419
Scandinavian (Scam) 419
Scandinavian Languages and Finnish 164, 456
Scholarships 13, 21
Scholarships and Financial Aid, Office of (OSFA) 21
Science in Agriculture 53, 420, 440, 442, 443, 444
Science in Agriculture/Doctor of Veterinary Medicine Joint Degree 54
Scientific and Technical Communication 55, 443
Semester Conversion 17
Sexual Harassment Complaints 30
Sexual Violence, Program Against 23
Slavic (Slav) 420
Smoke-free Campus Policy 32
Social Work (SW) 420
Sociology 165, 421, 459
Soil (Soil) 423
Soil Resources, Water and 212, 463
Soil Science 56, 444
Soils Resources Management, Crops and 48, 440, 442, 443, 444
South Asian and Mideast Area Studies 166, 454
South Asian Languages and Cultures (SALC) 474
Spanish 166, 425, 460
Spanish-Portuguese 167, 427, 460
Special Learning Opportunities, Office for 13
Special Populations (Housing Studies) 116, 451
Speech and Hearing Science 168, 454
Speech-Communication 168, 427, 460
Sport Studies 100, 429, 450
Sports, Recreational 22
Statistics 169, 260, 428, 460, 471
Student Accounts Receivable System (STARS) 21
Student Dispute Resolution Center 23, 30
Student/Parent Help Center 23
Student Records 17, 21, 24, 27
Student Responsibilities 32
Student Right-to-Know Act 32
Student Services 22
Student Status, Full-time 28
Student Unions 22
Study Abroad 13
Sumerian (Sum) 429
Summer-only Registration 16
Suspension 31
Sustainable Agriculture 56, 440
Swedish 164, 431, 456
Symbols, Course (inside back cover)

T
Teaching English as a Second Language (TESL) 429
Technology, Institute of 15, 20, 233, 367, 465
Test of English as a Foreign Language (TOEFL) 14
Theatre Arts 169, 430, 460
Toxicology (Txcl) 431
Transcripts 16, 17, 24, 29, 32
Transfer Credit 17
Transfer Curriculum, Minnesota (MTC) 17, 31
Transfer Students 14, 16, 18, 23
Translation and Interpreting (TrIn) 431
Transportation Information 24
Tuition and Fees 21, 24

U
U Card 21
Undergraduate Programs, Directory of 4
Undergraduate Research Opportunities Program (UROP) 13
Unions, Student 22
University College 15, 20, 261, 431
Urban Forestry 214, 463
Urban Studies 170, 432, 456

V
Veterinary Pathobiology (VPB) 432
Vocational and Technical Education 96, 450
Volunteer Opportunities 13

W
Water and Soil Resources 212, 463
Water Resources Science (WRS) 432
Weisman Art Museum, Frederick R. 23
Wildlife 204, 205, 330, 463
Withdrawal From a Course 32
Withdrawal From the University 30
Women’s Center, Minnesota 23
Women’s Studies 171, 432, 460
Wood and Paper Science 215, 434, 463
Forest Products Marketing 215, 463
Forest Products Production Management 217, 463
Paper Science and Engineering 216, 467
Residential Building Science and Technology 218, 463
Work, Community, and Family Education (WCFE) 435
Work-Study Jobs 22
Writing Requirement 31
Writing Resources 11

Y
Youth Development and Research (YoSt) 436