

Soil Science

Department Information

- **Director, School of Natural Resource Sciences:**
Frank Casey, Ph.D.
- **Program Leader:**
Thomas DeSutter, Ph.D.
- **Email:**
Thomas.DeSutter@ndsu.edu
- **Department Location:**
School of Natural Resource Sciences, Hultz 202
- **Department Phone:**
(701) 231-5368
- **Department Web Site:**
www.ndsu.edu/snrs/degrees/graduate_degrees/ (http://www.ndsu.edu/snrs/degrees/graduate_degrees/)
- **Application Deadline:**
International applications are due May 1st for fall and August 1 for spring and summer semesters. Domestic applicants should apply at least one month prior to the start of classes.
- **Credential Offered:**
Ph.D., M.S.
- **English Proficiency Requirements:**
TOEFL iBT 71; IELTS 6; Duolingo 100

Francis X.M. Casey, Ph.D.

Iowa State University, 2000

Research Area/Activity: Field Oriented Soil Physics, Measurement and Prediction of Water Transfer and Chemical Transport Through Soil

Amitava Chatterjee, Ph.D.

University of Wyoming, 2007

Research Area/Activity: Soil Fertility Management, Greenhouse Gas Emissions

Larry J. Cihacek, Ph.D.

Iowa State University, 1979

Research Area/Activity: Erosion and Productivity Relationships, Conventional and Alternative Crop Management, Carbon Sequestration, Nutrient Management

Thomas M. DeSutter, Ph.D.

Kansas State University, 2004

Research Area/Activity: Trace Elements, Land Application of Byproducts, Inorganic Soil Chemistry, Soil Environmental Conditions

David W. Franzen, Ph.D.

University of Illinois, 1993

Research Area/Activity: Soil Fertility/State Soil Specialist

Caley Gasch, Ph.D.

University of Wyoming, 2013

Research Area/Activity: Soil Ecology, Restoration, Reclamation, Monitoring of Degraded Soils

R. Jay Goos, Ph.D.

Colorado State University, 1980

Research Area/Activity: Soil Fertility and Management/Fertilizer Management for Small Grains

David G. Hopkins, Ph.D.

North Dakota State University, 1997

Research Area/Activity: Interactions Among Landscape, Soil Morphology, Soil Properties and Environmental Aspects of Land Use

Abbey Wick, Ph.D.

University of Wyoming, 2007

Research Area/Activity: Soil Health in Agricultural and Range Lands; Mine Reclamation

Adjunct Faculty

Allan W. Cattanach, Ph.D.

University of Minnesota, 1979

Research Area/Activity: Soil Fertility, Sugarbeet Management

Gary H. Halvorson, Ph.D.

Oregon State University, 1979

Director of Agriculture, Sitting Bull College, Fort Yates, SD

Mark Liebig, Ph.D.

University of Nebraska, 1998

USDA-ARS Northern Great Plains Research Laboratory, Mandan, ND

Research Area/Activity: Soil Quality, Soil Carbon Dynamics, Greenhouse Gas Flux, Semiarid Agroecosystems

Stephen D. Merrill, Ph.D.

University of California, Riverside, 1976

USDA-ARS Northern Great Plains Research Laboratory, Mandan, N.D.

Research Area/Activity: Soil Erosion Processes; Crop Root Growth and Soil/Crop Hydrology; Mined Land Reclamation

Jill Motschenbacher, Ph.D.

University of Arkansas, 2012

North Dakota State University, Fargo, ND

Research Area/Activity: Soil Physics, Sustainable Cropping Systems

Peter L. O'Brien, Ph.D.

North Dakota State University, 2017

Research Area/Activity: Reclamation, Cover Crops, Soils Management

Laura F. Overstreet Gentry, Ph.D.

North Carolina State University, 2005

Assistant Professor, University of Illinois Urbana-Champaign

Research Area/Activity: Soil Fertility, Grain Crops, Bioenergy Crops, Crop Management, Environmental Systems

Jimmie L. Richardson Ph.D.

Iowa State University, 1974

Research Area/Activity: Soil Salinization, Soil Development in Wetlands, Hydrologic Patterns, Sedimentation

James A. Staricka, Ph.D.

University of Minnesota, 1990

Williston Research Extension Center,

Research Area/Activity: Soil and Water Conservation and Nutrient Use Efficiency in Dryland and Irrigated Crop Production

Donald L. Tanaka, Ph.D.

University of Nebraska, 1980

USDA-ARS Northern Great Plains Research Laboratory, Mandan, ND

Research Area/Activity: Dryland Integrated Agricultural Systems, Soil and Crop Ecological Interactions