

# Department of Marine, Earth and Atmospheric Sciences

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The Department of Marine, Earth and Atmospheric Sciences (MEAS) covers a broad range of disciplines with one overarching goal: a deeper understanding of the Earth's environment. MEAS takes an interdisciplinary, integrated systems-based approach to studying our planet's air, crust, and water. This interdisciplinary viewpoint is particularly important today, in light of accelerating global changes and increasing corporate and public interest in environmental health and the stewardship of our natural resources. Addressing these complex issues requires more than narrow training in a single discipline. MEAS graduates can be equipped for tasks as diverse as improving severe storm forecasting; assessing the potential effects of oil exploration and mining; modeling global climate trends or coastal flooding; understanding the transport of air pollutants from industrial centers, remote satellite observation of our planet's surface; or devising plans to minimize erosion, harmful algal blooms and the pollution of our streams, lakes, and estuaries.

MEAS offers:

- Degrees and minors in meteorology, geology, marine sciences, and natural resources
- Minors in meteorology, geology, and marine sciences
- Semester at CMAST, an opportunity to spend a spring semester on the shore of Bogue Sound, in Morehead City
- A departmental honors program in which participants receive enhanced coverage of academic material and are involved in research.
- Opportunities for undergraduate research, cooperative education, and internships
- Award-winning facilities that include state of the art classrooms, teaching laboratories, computing facilities, and research
- Partnerships with the State Climate Office and the National Weather Service, which are housed on NC State's Centennial Campus

For more information about this department, visit our website (<https://meas.sciences.ncsu.edu/>).

## Contact

### Campus Mailing Address:

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Campus Box 8208,  
NC State University Raleigh,  
NC 27695-8208

### Physical Address:

Department of Marine, Earth and Atmospheric Sciences  
2800 Faucette Dr.  
Jordan Hall, room 1125  
NC State University  
Raleigh, NC 27695

### Undergraduate Programs Contact:

Maggie Puryear  
Associate Director of Undergraduate Programs

919.513.1093  
[mwpollar@ncsu.edu](mailto:mwpollar@ncsu.edu)

## Faculty

### Department Head

Gary Lackmann, *Professor*

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## Directors

O. Brown, *Director of NC-CICS-Asheville*

D.B. Eggleston, *Director of CMAST*

L. Leithold, *Director of Graduate Programs*

C. Thomas, *Director of Undergraduate Programs*

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## Associate Director

M. Puryear, *Associate Director of Undergraduate Programs*

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## Professors

A. Aiyer

V.P. Aneja

D. Bohnenstiehl

D.B. Eggleston

D.P. Genereux

P.J. Harries, *Dean, Graduate School, Professor-MEAS*

R. He, *Goodnight Innovation Distinguished Professor*

G.M. Lackmann, *Department Head*

E.L. Leithold

J. Levine

P. Liu

N. Meskhidze

H. Mitsova

C. Osburn

L. A. Owen

M.D. Parker

W.A. Robinson

A. Schnetzer

K. Wegmann

L. Xie

S.E. Yuter, *Distinguished Professor*

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## Research Professors

O. Brown

K.E. Kunkel

W. Showers

X. Zhang

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## Teaching Professor

C. Thomas

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## Professor Emeriti

S.P. Arya

D. DeMaster

J.C. Fountain

J. Hibbard

T. S. Hopkins

D. McConnell

L.J. Pietrafesa

S. Raman

F. Semazzi

T. Wolcott

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## Associate Professors

E. Hyland

S. Larson

R. Paerl

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## Associate Professor Emeriti

C.E. Knowles

A.J. Riordan

E.F. Stoddard

D.L. Wolcott

## Teaching Associate Professors

C. Arendt

E. Falk

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## Assistant Professors

C. Davis

M. Ellis Curry

D. Hamilton

Z. Qu

C. Rey-Sanchez

A. Soldati

Y.S. Zhang

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## Research Assistant Professors

A. Curry

P.M. Figueiredo

L. Hughes

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## Teaching Assistant Professors

C. Congreve, *Assistant Teaching Professor*

R. Mera, *Teaching Assistant Professor*

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## Lecturer

B. Eder

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## Senior Research Scholar

M. Miller

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## Adjunct Professors

B. Colle

D. Easterling

P. Hamilton

D. Kingsmill

L. Baker Perry

S. Yu

Y. Zhang

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## Adjunct Associate Professors

W. H. Battye

J. Cunningham

E. Dorfman

J. Rudek

S. White

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## Adjunct Assistant Professors

G.W. Bell

M. Brennan

K. Dello

N. Kang

B. Kravitz

S.B. Phillips

J. A. Stanley

R.C. Tacker

## Plans

- Meteorology (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/meteorology-minor/>)
- Natural Resources (BS): Marine and Coastal Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/natural-resources-bs-marine-coastal-concentration/>)
- Geology (BS) (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/geology-bs/>)
- Geology (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/geology-minor/>)
- Marine Sciences (BS): Biological Oceanography Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/marine-sciences-bs-biological-oceanography-concentration/>)
- Marine Sciences (BS): Chemistry Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/marine-sciences-bs-chemistry-concentration/>)
- Marine Sciences (BS): Geology Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/marine-sciences-bs-geology-concentration/>)
- Marine Sciences (BS): Meteorology Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/marine-sciences-bs-meteorology-concentration/>)
- Marine Sciences (BS): Physics Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/marine-sciences-bs-physics-concentration/>)
- Marine Sciences (Minor) (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/marine-science-minor/>)
- Meteorology (BS) (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/meteorology-bs/>)
- Meteorology (BS): Marine Sciences Concentration (<http://catalog.ncsu.edu/undergraduate/sciences/marine-earth-atmospheric-sciences/meteorology-bs-marine-sciences-concentration/>)