# Statistics (MR): Environmental Statistics Concentration

## Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core Courses</strong></td>
<td></td>
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</tr>
<tr>
<td>ST 501/701</td>
<td>Fundamentals of Statistical Inference I</td>
<td></td>
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<tr>
<td>ST 502/702</td>
<td>Fundamentals of Statistical Inference II</td>
<td></td>
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<tr>
<td>ST 503/705</td>
<td>Fundamentals of Linear Models and Regression</td>
<td></td>
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<tr>
<td>ST 542</td>
<td>Statistical Practice</td>
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<tr>
<td>ST 555</td>
<td>Statistical Programming I</td>
<td></td>
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<tr>
<td>ST 517 &amp; ST 518</td>
<td>Applied Statistical Methods I &amp; Applied Statistical Methods II</td>
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<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td><strong>Required Courses</strong></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ST 533/733</td>
<td>Applied Spatial Statistics</td>
<td></td>
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<tr>
<td>ST 711</td>
<td>Design Of Experiments</td>
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<tr>
<td>ST 534</td>
<td>Applied Time Series</td>
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<tr>
<td>ST 537</td>
<td>Applied Multivariate and Longitudinal Data Analysis</td>
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<tr>
<td>ST 744</td>
<td>Categorical Data Analysis</td>
<td></td>
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<tr>
<td>ST 745</td>
<td>Analysis of Survival Data</td>
<td></td>
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</tbody>
</table>

| **Elective Courses**                             | 6     |

*Elective Courses* are approved in conjunction with the academic committee.

*Elective courses can fall within the following subjects: Environmental Policy, Economics, Epidemiology, Toxicology/Risk Assessment, Mathematics, MEAS, GIS, Botany & Ecology, Biomathematics, and Zoology.

## Faculty

### Full Professors
- Dennis D. Boos
- Marie Davidian
- Sujit K. Ghosh
- Subhashis Ghoshal
- Kevin Gross
- Marcia Lynn Gumpertz
- Jacqueline M. Hughes-Oliver
- Eric Benjamin Laber
- Wenbin Lu
- Ryan G. Martin
- Spencer V. Muse
- Jason A. Osborne
- Brian J. Reich
- Rui Song
- Ana-Maria Staicu
- Leonard A. Stefanski
- Jeffrey L. Thorne
- Jung-Ying Tzeng
- Alyson Gabbard Wilson
- Fred Andrew Wright
- Daowen Zhang

### Associate Professors
- Xinge Jessie Jeng
- Arnab Maity
- Donald Eugene Kemp Martin
- Thomas W. Reiland
- Charles Eugene Smith

### Assistant Professors
- Eric C. Chi
- Emily Hector
- Srijan Sengupta
- Jonathan W. Stallrich
- Minh Tang
- Jonathan Paul Williams
- Luo Xiao
- Shu Yang

### Practice/Research/Teaching Professors
- Jonathan W. Duggins
- Emily H. Griffith
- Herle M. McGowan
- Logan J. Opperman
- Justin B. Post
Emeritus Faculty
William Reid Atchley
Peter Bloomfield
Cavell Brownie
David Alan Dickey
Thomas Michael Gerig
Harvey J. Gold
Thomas Johnson
John F. Monahan
Kenneth Hugh Pollock
Charles P. Quesenberry
John Oren Rawlings
Don L. Ridgeway
Moon Won Suh
William H. Swallow
Anastasios A. Tsiatis
John L. Wasik

Adjunct Faculty
Howard D. Bondell
Soumendra Nath Lahiri
Alison Anne Motsinger-Reif
Eric A. Stone
Yichao Wu