



How to Write an Abstract

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Abstracts Needed for:

- ◆ Meredith College: Mathematical Association of America, Southeastern Section, 84th Annual Meeting, Raleigh, NC, March 11-12, 2005
 - Friday–Saturday
 - Department will pay registration
- ◆ 24th Annual National Conference on Managing Environmental Quality Systems, to be held April 11 - 14, 2005 in San Diego, California.
 - John White, Cathy Pitts & Bryan Stines

Abstracts Needed for:

- ◆ EPA Earth Day Celebration, Thursday, April 21, 2005
 - Morning starting at 9:00 a.m.
 - Research Triangle Park, NC
 - All Students
- ◆ Undergraduate Research Symposium, McKimmon Center, April 28, 2005
 - All Students

University Research Symposium

- ◆ 300 words or less
- ◆ Intended audience
- ◆ Familiarity with subject matter (Limited)
- ◆ Abstracts due to UGRS by ***Friday, April 15, 2005.***
- ◆ Abstracts due **Friday, 11 February 2005** for Meredith MAA Meeting
- ◆ Abstracts due in class on March 3, 2005.

Example: Toxic Release Inventories

◆ **Title: Toxic Release Inventory Trends,**
Cathy Pitts, Ken Hayden & Paul Tillman

◆ **Alternative Title:**

- **Understanding Toxic Release Inventory Trends**
- **Can Toxic Release Inventory Trends Be Explained?**
- **Are you exposed to less toxic pollutants in Wake County than North Carolina and the Nation?**

Is the Fine Particulate Matter Air Pollution 'Nonattainment' Problem in Hickory and Lexington, NC Regional or Local?

◆ **Title:** Is the Fine Particulate Matter Air Pollution 'Nonattainment' Problem in Hickory and Lexington, NC Regional or Local?, John White & Ashley Queen

◆ **Alternative Titles:**

- Can the sources of the fine particulate matter air pollution problem in Lexington be identified?

Is there a connection between bug abundance and water chemistry?

◆ **Title: Is there a connection between bug abundance and water chemistry in North Carolina Waters?, Kimberly Madsen & Audria Humes**

◆ **Alternative titles:**

- **Are we collecting enough data in the right places to see if there is a connection between bug abundance and water chemistry in North Carolina Waters?**

NC Wetlands Project

◆ **Title:** Distributions of Dissolved Oxygen on the Coastal Plain or in the Sandhills, Jera Mendenhall

◆ **Alternative titles:**

- Can we define wetlands with water quality measurements?
- Is there a better way to define swamplands in the Coastal Plain and Sandhills?

Residential Wood Combustion Emissions Project

◆ **Title:** Is there a better way to characterize Residential Wood Combustion Emissions?, Andrew More, Maya Thompson & Bryan Stines

◆ **Alternative titles:**

- What statistical distribution is best for characterizing residential wood combustion emissions and calculating confidence intervals?
- Is there a better way to calculate confidence intervals for average residential wood combustion emissions?

Develop Short Abstract Outline

- ◆ A short summary of your paper/presentation with a key result - a "hook"
- ◆ It needs to have a beginning, a middle and an end.

Abstract Outline

◆ Background

- AIR - What are PM fine, speciated PM fine measurements, meteorological measurements, emission factors, etc.?
 - ◆ Why are we concerned about them?
 - ◆ Trends Report - good info.
- Water – What is dissolved oxygen, the bug index, tolerant and intolerant bugs, water chemistry, etc.?

◆ Purpose of work - investigated ...for our client....

◆ Methods

- Data provided by ...
- Depending upon data availability looked at ...
- Used statistical methods ...

◆ Result/Conclusion - the "hook"