



# Subject Mapping Poster & Presentation

## Assignment Overview

One of the most difficult challenges when starting a research project is gaining an understanding of the history of research in that area, influential and important papers, and the key researchers and research groups. In this assignment you will trace the history of a subject in a ISI database and create a poster detailing or visualizing the important progress in your field of choice.

## Assignment Instructions

1. Use an ISI citation database to explore a scientific topic in depth. We suggest that you choose the topic you're considering for your research proposal.
2. Create a 3 ft x4 ft poster describing the evolution of research in this topic, including key subdisciplines, prolific authors and research groups, important journals, and any historical developments in the field. Your poster must include:
  - a title
  - your name and contact information
  - have no grammatical or spelling mistakes
3. Submit a printed version of your large-scale poster.
4. Posters will be displayed in class on October 4<sup>th</sup> and you will be responsible for presenting your poster to answer questions about it.

The Honor Code applies to this poster and all text must be either given attribution or be your own original words. Any violations of the Honor Code will result in a 0 for the assignment.

## Assignment Due Dates

Subject mapping poster due in class 10/4

Subject mapping poster presentation in class 10/4

## Poster Ideas

Some possible ideas and questions that you **may** wish to address in your poster include:

Who are the most prolific people publishing in that field? How many papers have the top authors published in this area?

How highly cited are the most prolific authors? Do these authors correlate with the authors of the most cited articles? What are their affiliations (i.e. where are they located)?

What are the dominant institutions with authors publishing in that subject? Why do you think those institutions have a focus on this topic?

What are the top journals in this subject? What is their ISI impact factor? Do these journals correspond to the journals in the overall discipline with the highest impact factors?

Select a single paper in your subject and explore the articles referenced as well as the "Times Cited" list. Why did the future papers cite the article? Would you characterize your paper as important to the field? Why?

Remember, the items in the above list are only suggested questions – be creative and follow the poster guidelines from the in class lecture.

## Grading

Points	Criteria
8	Poster <ul style="list-style-type: none"><li>• Design (2 pts – 0.5 points each)<ul style="list-style-type: none"><li>○ Attractive and clear layout, correct dimensions and labels are legible at a distance of <math>\geq 3</math> feet</li><li>○ Includes required elements: title, author name and contact information</li><li>○ No spelling or grammatical mistakes</li><li>○ All graphics have source citation(s)</li></ul></li><li>• Topic exploration (6 pts)<ul style="list-style-type: none"><li>○ Well-stated topic</li><li>○ Includes key disciplines and historic developments in topic</li><li>○ Displays important researchers and groups</li><li>○ Displays key papers in chosen topic</li><li>○ Lists influential journals for topic</li><li>○ Uses ISI citation data to prove all findings</li></ul></li></ul>
2	Presentation <ul style="list-style-type: none"><li>• Demonstrates understanding of topic</li><li>• Can clearly and <i>fully explain</i> the poster to a viewer (Familiar with <b>all</b> words, concepts, and ideas on poster)</li></ul>

## Assignment Purpose & Learning Objectives

By completing this assignment you will:

1. Utilize an ISI citation database.
2. Demonstrate an understanding of an in-depth subject analysis.
3. Create a conference quality, large-scale poster presentation.

## Printing Posters

Posters can be printed in the Architecture 118, Weil 408, the Hub, and CSE 211 Labs. For instructions see <http://print.at.ufl.edu/printplottips.shtml> and <http://print.at.ufl.edu/printingquestions.shtml>