Assignment examples

BioG 1105: Searching Like a Scientist


• Find the type of information you need (books and background information, scholarly or popular articles) by understanding how scientific and information is produced, organized, and made available (particularly at Cornell University Library).
• Identify a research topic and explore general information sources to increase familiarity with current knowledge of topic
• Evaluate and identify the purpose and audience of potential resources (e.g. scholarly vs. popular)


BioG 1105 Finding Primary Literature Articles in Biology: Introduction


You will be searching for information in a database called ISI Web of Knowledge (but you can use these same techniques to search any database). By the end of this tutorial you should be able to do the following:

• Define your topic and identify its main concepts and keywords
• Use effective search techniques to find primary, peer-reviewed articles on your lab topic for your poster
• Find the full-text articles and understand how to evaluate, save and cite sources


BioG 1500: Finding Primary Literature Articles in Biology: Introduction (formerly BioG 1103; similar to BioG 1105 tutorial on primary research articles but customized for that class)

.http://confluence.cornell.edu/display/restbio

• Step 1: What are you searching for?: Identify main concepts and keywords
• Step 2: How do you find it?: Decide where to search and use effective search techniques
• Step 3: Get the article: Locate the full-text articles at the Cornell Library
• Step 4: Evaluate, save & cite it: Evaluate the type of articles you find and learn how to easily save and cite them in the proper format
• Step 5: Assignment: BioG 1500 students should complete their Primary Literature Worksheet as they work through this tutorial.

BEE 2600/4590 Tutorial: Case Study 2 on L. monocytogenes in chicken processing


In this tutorial, you will learn how to:
• Explore general and specific information sources in order to verify and provide citable references for background information found in Wikipedia and increase familiarity with current knowledge of growth of L. monocytogenes in frozen or prepared meals
• Construct a search strategy using appropriate commands in order to find five credible primary and secondary sources for the literature review (at least one background source, 1 review article and three primary research articles) on L. monocytogenes in packaged food processing, justifying the use of L. monocytogenes for the company's study, outlining what has been done before in this area, and choosing a potential methodology
• Synthesize the relevant information in answering the questions in your assignment and provide an annotated bibliography with annotations of no more than 5 sentences, justifying your choice of resources on the basis of the above criteria and scientific merit

BEE 2600/4590 tutorial: Case Study 3 on application of parathion hydrolase in pesticide degradation


In this tutorial, you will learn how to:
• Find primary scientific information and follow the trail of citations and cited references to find at least five articles describing the basic function and application of parathion hydrolase for pesticide degradation. You will want to find articles that both support and counter-indicate its use in order to support your argument in your final report
• Next, you'll learn how to search several different specialized databases and sources of what is called "gray literature" for primary and secondary information, using both basic and advanced techniques.
• Finally, you will assess the impact of a given scientific paper and critically compare and evaluate the information you find from various sources according to specific criteria in order to decide whether or not to include it
BEE 2600/4590 tutorial: Case Study 4 on design of biosensor for detection of Salmonella


In this tutorial you will learn how to:

• determine where to find information in different fields including social and environmental policy, engineering, business, and management.
• apply the research skills you learned in order to find not only the relevant scientific information (background and primary) on design of biosensors but also on the commercial, environmental, health and safety, economic, ethical, and social aspects of product design, manufacture and marketing.


COMM 2010: Finding Information for Informative & Persuasive Speeches

http://guides.library.cornell.edu/comm2010_fall10

This Information Competency tutorial is part of your Building Block Assignment # 1: (Evaluating Sources and Information Competency Tutorial). Throughout the semester you will be expected to research and incorporate information in speeches in the form of works cited. In this tutorial, you will learn:

1. The process used to find information
2. How the information is pertinent to your topic
3. For websites found via Google and/or Wikipedia, is this source credible? How do you judge the credibility?

This is the Mann Library Tutorial 2: Research and Persuasion

In this tutorial, you will learn:

1. How to find information on a persuasive speech topic.
2. How to find psychographic and demographic information for your three audiences.
3. For websites found via Google and/or Wikipedia, how to determine if the source is credible.

NS 1150: Researching a Controversial Nutrition Topic


In this tutorial, you will learn how to:

• develop ideas for a controversial topic in nutrition and narrow it down so that it's manageable and focused
• search effectively and efficiently on the Web and in library databases and other resources
• find at least four thoughtfully-researched primary research articles, two pro and two con, from scholarly journals on an important health controversy, ready for you to analyze