Literature Searches Through Computer Databases
DUE APRIL 19, 2010

Part I – CSULA Library Web-Based Databases
The library Databases can be accessed from a number of locations but you
will need an NIS account in order to access these databases. Library Web
dedicated computers are located on the main floor of Library North. There are
additional workstations on the second floor of Library North, similar to the ones
on the first floor, but these also have full application software (e.g., word
processing). You can print from any of the workstations in the Library to
networked laser printers. The cost per page is 10 cents, and you use the same
"copicard" you use for photocopying in the Library. You can access any of these
databases from home or any of the computer labs on campus: The Physical
Science Advanced Computational Lab (P.S. 851), Annex Link (Simpson Tower E
191); ECST Computer Link (E&T, C-255), Salazar Hall Link (Salazar Hall C-358),
Library Link (Palmer Wing 1039A), and the King Hall Link (KH D-151). Note
that the Library computers are available more hours per week than those in the
labs.
In each case below, when the instructions say to print a page you are to
highlight that page and then print your selection. This is identical in either a
Microsoft Windows environment on a PC or in the Macintosh operating system.
Select "File" then "Print" from the Windows toolbar, and then limit your
printing to the page you want. For example, if you want to print just a single
page of a database entry, the enter that page number in the "Pages:" box on the
print display. You access these databases through the Library Database WEB
site:

http://www.calstatela.edu/library/databases.htm

From this database page select <Chemistry> and then <Go to database
list> for access to the data bases you will need for this assignment. If you are
using the web from your home via an Internet Service Provider (ISP), your
browser must be set to accept cookies. From home you will be required to type in
your Login and Password. For trouble shooting with home access to the above
URL go to the following URL:

http://www.calstatela.edu/library/accessld.htm

If the Web is inaccessible, call the Library Reference Desk at 323-343-4927 for
help accessing the data bases.

a) ACS Publications. This database provides abstracts and full-text
articles of all papers published in ACS journals since volume 1, issue 1 of every
journal. For example, you can read articles published in the Journal of the

American Chemical Society published in 1879. Click on <ACS Publications> in the left-hand column. From the ACS publication page click on <Search the Journals>. From the pull-down menus there, you can select a combination of "fields" to search in: Author, Title, Abstract, Title or Abstract, or Anywhere in Article. Use the "Title or Abstract" field and type in your ACS Search Topic. You can use one additional search topic by combining the fields using the Literature Searches Through Computer Databases
DUE APRIL 7, 2006

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abstract.

b) Article First (OCLC). This database provides articles found in the table of contents of 12,600 journals covering science, technology, medicine, social science, business, the humanities, and popular culture. From the Chemistry database page click on <Article First> in the left-hand column. Then follow the instructions for a search using ArticleFirst. Be sure to use Boolean Algebra Operators to limit your search. Search your assigned OCLC -Article First/ Science Direct topic. Make sure the search is set for "keyword". Print (3) the first page of the list of articles from your search. Then print (4) the full detailed display on one article from the list of articles. Choose the one that most closely matches your search topic. Article First has a great feature. When you are viewing the detailed record you can search any of the authors of that paper. Search the last author of this paper by clicking on the name and then print (5) the first page of that search. Finally, search your assigned Author (make sure to change the search to author) and print (6) the first page of the list of articles by that author. Make sure that you have found the correct author.

c. Science Direct – Science Direct provides users the capability to search over 900 science journals published by the Elsevier Publishing Company. From the Chemistry database page select <Science Direct>. Do a "Quick Search" in "All Full-Text Sources" using your OCLC-Article First/Science Direct topic. Print (7) the first page of the references and then print (8) the abstract of the first paper.