

To Do

- 16 hr TBA
- 1 journal article per **person**
- 1 notebook per **pair**
- 1 final report per **pair**

A student said:

“I will admit, in the beginning of BIO 230 when you told us we had to do our own research/project, I was BUMMED! I didn't want to do it and I didn't plan on actually trying to do a good job.

A student said:

However, as the semester went on, I got more and more into the research and I even became excited when we got results!”

A student said:

“Honestly when we were assigned a research project I was not really excited to spend extra time in the lab outside of the regular class schedule. However, those research projects turned out to be some of the most valuable experiences I have gained in my undergraduate education.

”
UCD

Skyline Students Say

“The ability to tell other students that you did research at a community college is a huge confidence builder. Transferring to a University can be a scary experience, but knowing that you were able to accomplish something is great.”

UCLA

Skyline Students Say

“Director told me my research experience helped me stand out against other applicants.”

CSU Long Beach

Skyline Students Say

“..during the interview process, they were excited and interested in the research that I did at community college. Having that experience really differentiated me from other candidates.”

UCB

Skyline Students Say

“I was offered a few PAID summer research positions here at Stanford mostly as a result of having a good resume. Being able to come into a competitive academic setting with some prior experience under my belt has served me well.”

Stanford

Skyline Students Say

“I was on the fence about pursuing science because I thought I wasn't smart enough to apply the concepts. Community College research gave me a foundation that increased my confidence as an aspiring scientist. ... you realize, “wow, I'm actually doing this, ME! ”

Stanford

Skyline Students Say

“I’m working in a lab where I’ve been able to apply the skills I’ve learned in your class. Having experience with writing scientific papers and with some of the equipment has given me an advantage.”

UCD

How?



To be eligible for a grade of:

- A-5 experiments
- B-4 experiments
- C-3 experiments

Over 2 months.

Lab Notebook

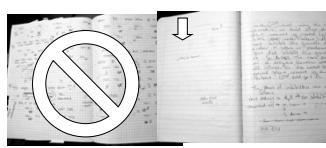


Lab Notebook



Regular, dated, signed entries: notes, references, protocols, data...

Lab Notebook



References



- No classes
- No cycles
- No will

You must have 5 scholarly (journal) articles

 **Citations**

- **NEVER** do this!!!
- http://www.ncbi.nlm.nih.gov/pubmed/18205018?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DetailReportPanel.Pubmed_RVDocSum

 **Or this**

- Vasudevan, P.T. and M. Brig. searchresults

 **Or this...**

- http://find.galegroup.com/ips/retrieve.do?subjectParam=Locale%252Ben%252CUS%252C%2529%253AFQE%253D%2528SU%252CNone%2522C2%2520%2529b9briesel%2Bproduction%253AAnd%253ALQE%253D%2528AC%252CNone%2522C8%2529fulltext%2524&contentSet=LAC-userGroupName=plan_skyline&resultListType=RESUL_LIST&hitCountType=None&qrySerId=Locale%28en%2CUS%2C%253AFQE%253D%28KE%2529



Citations

Vasudevan, P.T. and M. Brig. (2008). Biodiesel production—current state of the art and challenges. *Journal of Industrial Microbiology and Biotechnology* 35(5): 421-430.



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- Punctuation
- Italics



Citations

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•Journal vol:page-page, year



Journal article

Related to your project
-Background
-Procedures



Journal article

Related to your project
Due:3/8/19
One/person
State with: PubMed, Google Scholar
Find an article and answer the questions

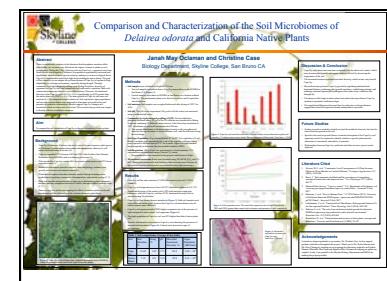


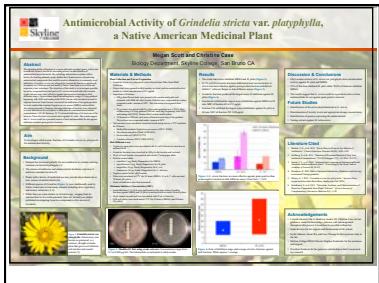
Projects

- One project per two students.
- One lab notebook per two students.
- See me...



Research Symposium





Research Symposium

- Prepare a poster for the Symposium?