

## CULTURE REQUESTS FOR BIOLOGY 209, 2011

Hi Donna,

I anticipate having around 160 students in eight lab sections (2 Thursday morning; 2 Thursday afternoon; 2 Friday morning; 2 Friday afternoon). I will let you know how many students are in the course by the end of August.

Thanks, Brett

Prep meetings: Wednesday mornings at 9:00am (samples required).

**Sept. 15/16**                      *Pleurotus*, primary mycelium and secondary mycelium  
**(prep session Sept. 14)**

**Sept. 22/23**                      *Saccharomyces*, liquid for budding  
**(prep session Sept. 21)**        *Saccharomyces*, agar for asci  
   *Talaromyces*, asexual and sexual (with cleistothecia)  
   *Sordaria*, perithecia  
   *Penicillium*, conidia  
   *Fusarium*, conidia (used in self-test so only need 16 plates total)  
   *Ascobolus or Anthracobia*, apothecia  
   *Alternaria*, conidia  
   *Arthrobotrys*, DEMO, trapping nematodes

### Bryophyte nutrient plates - 40

**Sept. 29/30**                      *Phlyctochytrium*  
**(prep session Sept. 28)**        *Rhizopus*, sporangia  
   *Phycomyces*  
   +/- cross, all stages of sexual  
   reproduction in plates  
   - flasks with sporangia (2 per lab section)  
   *Pilobolus*, - Petri dishes and flasks

**Oct. 06/07**                      *Physarum* plasmodium  
**(prep session Oct. 05)**        *Dictyostelium*, all stages of asexual process  
   Agar Plates to germinate slime mold spores

**Oct. 13/14**                      **LAB MIDTERM**  
**(prep session Oct. 12)**        *Talaromyces* (with cleistothecia) – 20 plates  
   *Sordaria*, perithecia – 20 plates  
   *Penicillium*, conidia – 20 plates  
   *Ascobolus or Anthracobia*, apothecia – 20 plates  
   *Phycomyces*, sexual stages – 20 plates  
   *Physarum* – 20 plates  
   *Dictyostelium*, all stages – 20 plates

**Oct. 20/21**  
**(prep session Oct. 19)**

*Achlya*:  
vegetative hyphae  
zoospores  
oogonia and antheridia: younger with eggs  
oogonia with oospores

**Nov. 03/04**  
**(prep session Nov. 02)**

*Anabaena*  
*Chlamydomonas*  
*Volvox*  
*Oedogonium*: enough for lab, plus extra for quiz  
Dinoflagellates:  
*Alexandrium*  
*Akashiwo*

**Nov. 18/19**  
**(prep session Nov. 17)**

*Spirogyra*  
*Chara* and/or *Nitella*

**Dec. 01/02**  
**(prep session Nov. 30)**

**LAB FINAL** - organisms TBA