

Cedar Crest College
Biology 201, Research Directorship, Spring 2010

General Course Information

Number of Credits: 1

Coordinator: Dr. André Walther

Office: Miller 25 x3513

Office Hours: Mondays 10-11 or by appointment

BIO 122 Lab Instructors and Meeting Times:

Mrs. Judith Malitsch	T	8:00 - 11:00 AM
Dr. Rich Kliman	T	1:00 - 4:00 PM
Dr. Alan Hale	W	1:00 - 4:00 PM
Dr. Rich Kliman	W	4:00 - 7:00 PM
Dr. André Walther	R	8:00 - 11:00 AM
Dr. Alan Hale	R	1:00 - 4:00 PM

Research Directors Schedules:

RD (Faculty Member)

Tuesday 8-11 Malitsch	Tuesday 1-4 Kliman	Wednesday 1-4 Hale
Hager (Dr. Walther) Orlen (Dr. Karnas) Bachert (Dr. Kliman)	Dr. Kliman Haines (Dr. Hale) Bradshaw (Dr. Reese)	Pilla (Dr. Hale) Dewey (Dr. Cigliano) Dr. Cigliano

Wednesday 4-7 Kliman	Thursday 8-11 Walther	Thursday 1-4 Hale
Dr. Kliman Sween (Dr. Ettinger) Ulyyott (Dr. Cigliano)	Dr. Walther McQuilken (Dr. Walther) LaClair (Dr. Reese)	Kuebler (Dr. Ettinger) Morra (Dr. Reese) Shively (Dr. Cigliano)

Research Directorship Guidelines and Responsibilities:

Students who are enrolled in BIO 210 Research Directorship will coordinate a research project in consultation with a faculty member for a group of 3-6 students enrolled in a section of BIO 122 Principles of Biology II laboratory. Research directors (RDs) are expected to meet with their research groups on the days listed in the BIO 122 lab schedule below where “Research” appears, or choose comparable, alternative times that students in their research groups will be able to meet and conduct the research. It is not unreasonable to ask students in the research groups to meet occasionally at additional times beyond what is listed in the schedule below, especially when preparing for the informal and formal presentations and writing the abstract. However, RDs should be aware that many first year students have

fairly tight schedules, and should keep this in mind when scheduling additional meeting times beyond what has been scheduled for the BIO 122 Laboratory time.

RDs will first meet with their research groups in Week 3 of lab. They will discuss the scientific method with their students and help them to understand the specific aims of their project and to discuss potential hypotheses that they will be testing when conducting their research project. RDs are responsible for helping their research students put together an informal (no PowerPoint) 10 minute presentation during Week 7 of lab. They are also responsible for helping their students put together a more formal 10-15-minute talk using PowerPoint for Week 13 of lab. RDs should plan to attend these presentations if possible, as well. In preparing for these presentations, RDs may have to teach some of the research students how to use PowerPoint effectively and how to search for and obtain primary literature related to the research project. RDs are responsible for reviewing the abstract that the research students will submit during Week 13 of lab. RDs are encouraged to consult with their faculty advisor and Dr. Walther (RD coordinator) for guidance, advice, or assistance in carrying out any of these responsibilities. Finally, RDs are responsible for assigning each research student an attendance grade based upon 30 points.

Faculty advisors of RDs will be submitting a grade for each RD based upon the RD's ability to effectively guide the students in the areas listed above. These include the RD's ability to consistently meet with her students at the scheduled time, the RD's assistance in preparation of the presentations and abstracts, and the RD's recording of her students' attendance. Faculty advisors are encouraged to consult with their RDs on the progress of the research and presentation/abstract planning.

LAB SCHEDULE

<u>Week</u>	<u>Dates</u>	<u>Description</u>
1	Jan 19-21	
2	Jan 26-28	Freshman Research Introductions by Faculty
3	Feb 2-4	RESEARCH Research teams will discuss the specific aims of their projects during this session
4	Feb 9-11	RESEARCH
5	Feb 16-18	RESEARCH
6	Feb 23-25	
7	Mar 2-4	Informal Research Presentations
Spring Break		
8	Mar 16-18	RESEARCH
9	Mar 23-25	
10	Mar 30-Apr 1	
11	Apr 6-8	RESEARCH ¹
12	Apr 13-15	
13	Apr 20-22	Formal Research Presentations
14	Apr 27-29	

¹ April 6 follows a Monday schedule; therefore, Tuesday lab sections should schedule 3 hours of research a time that works for members of the research team.