

PCB 6095 PROFESSIONAL DEVELOPMENT IN BIOLOGY II
PCB 7090 ADVANCED RESEARCH COMMUNICATION II
Spring 2014

When: Wed 5:30–6:20 **Where:** Bio 415 **Who:** Pedro F Quintana–Ascencio
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Course Web Page: <http://pascencio.cos.ucf.edu/>

Developed in collaboration with Dr. Dave Jenkins

Goal: To help you prepare for a successful graduate experience and career as a professional biologist.

Policies: Attendance and civilized participation are important and expected. Three general topics will be addressed throughout the course:

1. Progress. Your progress toward a successful graduate degree, presentations, and publications.
2. Challenges. Your challenges and how to surmount them.
3. Rules. Official regulations, deadlines, requirements, etc. that you must meet.

Approach: Each week will consist of discussions revolving around weekly “homework” assignments you conduct during the week plus anything else relevant to the goal above.

Date	Week #s and Discussion Topics	Homework Topics
8 January	1. Syllabus	Program of Study submitted by 1/15
15 January	2. Draft Ideas	Go to the Board
22 January	3. Talk–Write–Talk	2 Screens & 1 Page
29 January	4. Structure	Editing
5 February	5. Context	Hooks
12 February	6. Style	4 Screens & 2 Pages
20 February	7. Handling Data	2 Pages & Data
26 February	8. Figures & Tables	Imagine Your Data
5 March	9. Spring Break - No Classes	No Classes
12 March	10. Presenting - graphic art	Picasso / Munch / Tufte
19 March	11. 15 Minutes of Fame, Part 1	Present Project Plans
26 March	12. 15 Minutes of Fame, Part 2	Present Project Plans
2 April	13. 15 Minutes of Fame, Part 3	Present Project Plans
9 April	14. 15 Minutes of Fame, Part 4	Present Project Plans
16 April	15. 15 Minutes of Fame, Part 5	Present Project Plans
23 April	Finals Week	Finals Week

Grading: Satisfactory/Unsatisfactory

PCB 6096 PROFESSIONAL DEVELOPMENT IN BIOLOGY II
PCB 7091 ADVANCED RESEARCH COMMUNICATION II
Detailed Assignments Schedule

WEEK 1 - Your Assignment: Program of Study

- During the week - turn in to Gayle Story (in Rm 302) your completed, signed Program of Study

WEEK 2 - Your Assignment: Go To the Board

- In class - write on the board a one-sentence statement of your research direction / idea
- During the week - write (1-PAGE MAX) a series of **bullet points** that sum your project idea
- Next week - bring the one page

WEEK 3 - Your Assignment: 2 Screens & 1 Page

- In class - stand up and explain the one page max of bullet points
- During the week - elaborate & refine the bullet points to 1 page **text** (double-spaced)
- Next week - bring the page of text

WEEK 4 - Your Assignment: Editing

- In class - edit others' one-pagers
- During the week - edit your one page of text for comments and especially the Hook
- Next week - bring the revised one page

WEEK 5 - Your Assignment: Hooks

- In class - edit others' one-pagers for the Hook
- During the week - edit your one page of text for comments
- Next week - bring the updated one-page with a solid Hook now installed

WEEK 6 - Your Assignment: 4 Screens & 2 Pages

- In class - edit others' one-pagers one last time
- During the week - expand to 4 powerpoint screens and two pages of text (double spaced)
- Next week - bring the updated two pages

WEEK 7 - Your Assignment: Two Pages and Data

- In class - edit others' two-pagers
- During the week - revise your two-pager, meet with your advisor about it plus data handling & storage
- Next week - be prepared to share how that meeting went

WEEK 8 - Your Assignment: Imagine Your Data

- In class - discuss your meeting with your advisor
- During the week - sketch your expected results in graph or table form
- Next week - be prepared to show and explain those expected results on screen

WEEK 9 - Spring Break - no classes

WEEK 10 - Your Assignment: Picasso / Munch / Tufte

- In class - critique each others' graphs
- During the week - refine your expected results in graph form and share it with your advisor
- In 2 weeks - be prepared to show and explain that graph and share how that meeting went

WEEKS 11-15 - Your Assignment: present your proposed project and critique others'