Biochemistry & Molecular Biology 401:
Introduction to Independent Study

Course Schedule and Assignment Due Dates

Date	Topic	Assignments	Notes
Week 1 Tues 1/13	Introduction; goals of course; **What makes a good IS topic?** 11 AM: OARDC I.S. Presentations Severance 009	Write a 2 page paper about the structure/function relationship of one biomolecule: **due 1/27**	
Thurs 1/15	**Test of informational literacy skills** 11 AM: OARDC I.S. Presentations Severance 009	Meet with at least three faculty to discuss research options (complete by 1/29)	Can be in Biology, Chemistry, or at the OARDC
Week 2 Tues 1/20	Faculty I. S. Presentations ***Class meets in Severance 009***		
Thurs 1/22	Faculty I. S. Presentations ***Class meets in Severance 009***		
Week 3 Tues 1/27	**Goals of peer review process** In class review of paper #1	Complete draft of S/F paper due for in-class peer review	
Thurs 1/29	**Components of a research proposal** **What goes in a background & significance (B&S) section?**	***Final S/F paper Due*** **1 paragraph summary of three potential I.S. topics; ranked as to preference**	**S/F paper for faculty evaluation**
Week 4 Tues 2/3	**Senior I.S. advisors assigned**; discussion of faculty evaluation of S/F paper		S/F Paper returned
Thurs 2/5	**Library instruction (if needed)** *Meet in Timken Computer Lab*	Prepare annotated bibliography for background & significance section	
Week 5 Tues 2/10	**Goals of peer review process** Class discussions of B&S section	**Annotated bibliography due**	Need at least 10 references
Thurs 2/12	Small group peer review of 2 page draft	2 pg draft of B&S due; references must be included	**Bibliography returned**
Week 6 Tues 2/17	Small group peer review of 5 page draft	5 pg draft of B&S due, include more references; Send questions via email by Thurs 2/19 8 AM for Q&A	
Thurs 2/19	Question and Answer (Q&A) class discussion of B&S section	**Complete draft of B&S Due by 5 PM on Thurs 2/19** Review drafts for in-class discussion on Tues 2/24	Submit B&S using PDF by email attachment for peer and faculty review
Week 7 Tues 2/24	Small group peer review of completed B&S section		**Faculty review of B&S returned at end of class**
Thurs 2/26	Finish small group peer review of completed B&S section – if needed		
Week 8 Tues 3/2	Small group discussion of revised B&S section – focus on changes and potential difficulties	Send questions via email by Thurs 3/5 8 AM for Q&A	Bring 5 copies of reviewed drafts and 5 copies of new revision
Thurs 3/4	Q&A	**Background & Significance Due Friday 3/5 by 5 PM**	Turn-in drafts and final form at Chemistry office
March 18-12	**Spring Break**	**Have fun!**	
March 15-19	**Spring Break**	**Have some more fun!**	

Week 9 Tues 3/23	**How to write Specific Aims (SA) section?**	***Meet with I.S. advisor sometime this week***	**Faculty evaluation of B&S returned**
Thurs 3/25	**How to write Research Design & Methods (RD&M)? Goals of "controls"**		
Week 10 Tues 3/30	***No class*** – time for writing	**Specific Aims Due by 9 AM** maximum of 2 aims; 1 pg	Submit via PDF email attachment
Thurs 4/1	Individual meetings to discuss specific aims and RD&M sections		**Faculty evaluation of SA returned**
Week 11 Tues 4/6	Small group peer review of RD&M sections	Bring draft of RD&S section to class for peer review;	Bring 5 copies
Thurs 4/8	Finish small group peer review of RD&M sections	Bring draft of RD&S section to class for peer review; Send questions by email by Tues 4/13 8 AM for Q&A	
Week 12 Tues 4/13	**Q&A on RD&M** **How to give a formal presentation**		
Thurs 4/15	BIOINFORMATICS – TBA	**Complete draft of RD&S DUE by 5 PM on Fri 4/16**	Submit complete and initial drafts of RD&M to Chemistry office
Week 13 Tues 4/20	BIOINFORMATICS – TBA	**Bioinformatics assignment DUE at start of class**	**Faculty eval. of RD&M returned**
Thurs 4/22	**Student presentations (10 mins.)**		
Week 14 Tues 4/27	**Student presentations**		
Thurs 4/29	**Student presentations**		