

Genetics Honors Seminar Syllabus
Spring 2013
447:404:2
M- 5-6:20pm
Nelson A237

Instructors:

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Office hours: By appointment

Course goals: This course is designed to **supplement** your Honors Thesis writing experience. We are here to guide you, give you tips and make sure that you are on track and ready for Honors Day. Your advisor is still responsible to work with you on the entire thesis.

Class requirements: To receive credit, students are expected to attend class. Absences must be cleared with one of the instructors prior to the class time. Students are expected to be active participants during class time and are required to upload assignments to Sakai on time.

Class schedule:

<u>DATE</u>	<u>Topic</u>	<u>Presenter</u>
1/28	How to write about and present results	KS/JX
2/4*	Using Excel/Prism for statistical analysis	DG/KS
2/11	Figure/Table Workshop	students
2/18	Figure/Table Workshop	students
2/25	Figure/Table Workshop	students
3/4	How to write a Discussion/Tips for talks	KS/JX
3/11*	Reference program workshop	KS/JX
3/18	SPRING BREAK	
3/25	Practice Honors Day talk	students
4/1	Practice Honors Day talk	students
4/8	Practice Honors Day talk	students

* Please bring personal laptop computer to class on these days. For 2/4 upload the Data Analysis Tool Pak for Excel (<http://technet.microsoft.com/en-us/magazine/ff969363.aspx>) and download a trial version of Prism (see link in Demo list). For 3/11 install Mendeley and a trial version of Endnote (see links in Demo list) and have a section of your thesis ready for adding citations.

Important Dates:

1. Complete honor's thesis due to your thesis committee by 4/1/13
2. Thesis defense must occur by 4/9/13
3. Honor's Day presentation 4/10/13

Assignments:

1. One figure and associated paragraph due 2/11 for workshop
2. Results section drafts due 3/4/13
3. Discussion drafts due 3/25/13
4. Upload Defense presentation 4/9/13

Recommended resources:

1. Angelika H. Hoffman. Scientific Writing and Communication. Oxford University Press. 2010.
2. Michael Alley. The Craft of Scientific Presentations. Springer. 2002.
3. George D. Gopen. The Sense of Structure. Pearson Education. 2004.
4. John Roth. "Giving a Talk."
<http://rothlab.ucdavis.edu/protocols/GivingATalk.html>
5. George D. Gopen and Judith A. Swan. "The Science of Scientific Writing."
<http://www.americanscientist.org/issues/issue.aspx?id=877&y=0&no=&content=true&page=4&css=print>

Demo software websites:

1. Endnote: <http://endnote.com/downloads/30-day-trial>
2. Prism: <http://www.graphpad.com/scientific-software/prism>
3. Mendeley (FREE!!): <http://www.mendeley.com>