GRANT CLASS 2016

Class starts on September 14th ends Dec 14th
Class will meet on Wednesdays from 4pm to 6pm in the Pharmacology conference room (GMB 4007)

Course Grading: Grades will be based on class participation and demonstrated effort in the preparation and reviewing of proposals.

Class schedule –

HOMEWORK BEFORE FIRST CLASS –

- READ COURSE SYLLABUS AND READING MATERIALS (BIOC 712: SCIENTIFIC WRITING) BY HENRIK DOHLMAN (Skip over Class schedule and assignments/homework)
- Read one or more of the Grant Examples contained in the Sakai Resources Section
- Prepare a 10 min presentation of the project you intend to develop into a grant proposal (a couple of slides outlining background and preliminary data). Include a separate slide with your initial thoughts for your hypothesis and specific aims. These could be bulleted points – at this stage we do not expect a fully worded draft of your specific aims.

CLASS 1 –

- Discuss rules and time commitment with students and their mentors
- Discuss organization of class – days/times/groups/participation/grading
- Discuss highlighted points in Dohlman syllabus
- Students will be separated into 2 groups (A and B).
- Each student presents an overview (a couple of slides) of their thesis project and concludes with bulleted hypothesis and specific aims

HOMEWORK FOR CLASS 2

1. Read the two assigned grants and be prepared to discuss Specific Aims and grant organization. Highlight important elements within Specific Aims (question/hypothesis, specific aims, preliminary data, anticipated results, significance).
2. Prepare to discuss material in Dr. Dohlman’s syllabus on Plagiarism (pages 24-31)
3. Read the article by Dr. Miguel Roig entitled “Avoiding plagiarism, self-plagiarism, and other questionable writing practices: A guide to ethical writing” (present in Resources Section of Sakai)

CLASS 2 –

- 60 min – EVERYONE Discuss Bibliography/ Reference Cited and Plagiarism
- 60 min – EVERYONE Discuss important elements of Specific Aims. Students will be asked to identify important elements within Specific Aims of the assigned grants

HOMEWORK FOR CLASS 3

1. Prepare a slide of the key elements of Specific Aims for your proposal. Use bulleted format to present:
   - Background
   - Hypothesis
   - Specific Aims
   - Anticipated Results
   - Statement of Significance and Innovation
2. Each student will present this to the class for discussion in Class 3.
3. Begin writing your Specific Aims

CLASS 3 –
• Students will present a bulleted Specific Aim slide for their project. Do not write out a Specific Aims page.

• HOMEWORK FOR CLASS 4
  1. GROUP A: Post Specific Aims page by Thursday 5pm
  2. GROUP B: Review Specific Aims from Group A and post comments on Specific Aims by Monday 5pm
  3. GROUP A: Revise and post revised Specific Aims by Tue 5pm

CLASS 4 –
• GROUP A: Present a slide with your Specific Aims page highlighting key elements for class discussion (in Grant Format)

• HOMEWORK FOR CLASS 5
  1. GROUP B: Post Specific Aims by Wednesday night (after CLASS 4)
  2. GROUP A: Review Specific Aims from Group B and post comments Friday 5pm
  3. GROUP B: Revise and post revised Specific Aims by Tuesday 5pm

CLASS 5 –
• GROUP B: Present a slide with your Specific Aims highlighting key elements for class discussion (in Grant Format)

• HOMEWORK FOR CLASS 6
  1. GROUP A: Post Revised Specific Aims and new Significance and Innovation sections by Wednesday night (after CLASS 5)
  2. GROUP B: Review Specific Aims, Significance, and Innovation from Group A and post comments by Friday at 5pm
  3. GROUP A: Revise Specific Aims, Significance, and Innovation and post by Tuesday at 5pm

CLASS 5B – alternate day (Monday preceding Class 5) – meet with last year’s students of the grant writing course to discuss their experience in the grant writing course and Prelim Exams

CLASS 6 –
• GROUP A: Present a slide with your Specific Aims, Significance, and Innovation for class discussion (highlight key elements)

• HOMEWORK FOR CLASS 7
  1. GROUP B: Post Revised Specific Aims, and new Significance and Innovation sections by Wednesday night (after CLASS 6)
  2. GROUP A: Review Specific Aims, Significance, and Innovation from Group B and post comments by Friday at 5pm
  3. GROUP B: Revise Specific Aims, Significance, and Innovation and post by Tuesday at 5pm

EXTERNAL REVIEW SESSION FOR GROUP A – will meet on alternate day depending on External Reviewer’s schedules. **All students will attend.**

CLASS 7 –
• GROUP B: Present a slide with your Specific Aims, Significance, and Innovation for class discussion (highlight key elements)
• Discussion of key elements of APPROACH section of grant with examples. This will include:
  1. Rationale for Aim 1
  2. Experimental Section
  3. Possible Results and Interpretation
  4. Possible Pitfalls and Alternative Strategies

• HOMEWORK FOR CLASS 8
  1. GROUP A: Write Approach Section and post by Wednesday (after Class 7)
  2. GROUP B: Review GROUP A’s Approach Section and post comments by Friday 5pm
  3. GROUP A: Post revised Approach Section by Tuesday 5pm before Class 8

EXTERNAL REVIEW SESSION FOR GROUP B – will meet on alternate day depending on External Reviewer’s schedules. All students will attend.

CLASS 8 –
• Discuss points raised by external reviewers
• GROUP A: present Approach Section with key elements highlighted

• HOMEWORK FOR CLASS 9
  1. GROUP B: Write Approach Section and post by Wednesday (after Class 8)
  2. GROUP A: Review GROUP B’s Approach Section and post comments by Friday 5pm
  3. GROUP B: Post revised Approach Section by Tuesday 5pm before Class 9

CLASS 9 –
• GROUP B: present Approach Section with key elements highlighted

• HOMEWORK FOR CLASS 10
  1. GROUP A: Write Revised Approach Section and Post by Wednesday (after Class 9)
  2. GROUP B: Review Approach Aim 1 from Group A and post comments by Friday 5pm
  3. GROUP A: Revise and post revised Approach Aim 1 by Tuesday 5pm

REPEAT FOR CLASSES 10 AND 11

EXTERNAL REVIEW FOR GROUP A FOLLOWING CLASS 10

EXTERNAL REVIEW FOR GROUP B FOLLOWING CLASS 11

Classes 12 and 13 will repeat review process for necessary projects