NREM 605
Research Skills

Instructors: Carl Evensen and John Yanagida

Office Addresses, Phone Numbers, and E-mail Addresses:

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Office Hours: By appointment.

I. Course structure:

Course objective: The general objective of this course is to assist the new NREM graduate student in developing skills necessary to design a research project. To achieve this objective, the course will cover the following topics: the nature of scientific inquiry, elements of a “good” research proposal, effective research presentations i.e., specifically using power point, grant proposal writing and process, NREM research partners, and learning about projects/interests of NREM faculty.

Course Format: One hour and 20 minute lecture period per week and one Saturday field trip. There are no tests but students will have several writing exercises and are expected to make a few class presentations.

Course Organization:

1. Class meetings are a combination of lecture and discussion. One class meeting will be held Hamilton Library room 156.

2. Assignments will be given in class.

3. Final course grades will be based on this approximate breakdown:
   Written research proposal 65%
   Class assignments 20%
   Oral presentations 15%

   Note: Letter grades will be assigned on the plus/minus grading system.

4. Course grading procedures will adhere to University of Hawaii guidelines. See fall course schedule for deadlines concerning drop/add procedures. Also see the University catalog for information on the grading system and the consequences of academic dishonesty such as cheating or plagiarism.

II. Brief outline of weekly sessions:

Session #1 (August 26th). (emailed pdf of Powerpoint recommendations)
• Introduction to course & nature of scientific inquiry.
Session #2 (September 2\textsuperscript{nd})
- Student oral presentations.
- Journal homework assignment (due Sept 9)

[Aug 31 – Sept 4: Students meet with Drs. Evensen or Yanagida on research proposal]

Session #3 (September 9\textsuperscript{th}). (examples of RFPs and actual proposals – NREM faculty)
- Thesis and grant proposal writing.

Session #4 (September 16\textsuperscript{th}). (Meet in Hamilton library, room 156)
- Introduction to library research – activity and written exercise.
- Research proposal outline due

Session #5 (September 23\textsuperscript{rd}).
- Developing your research proposal

Session #6 (September 30\textsuperscript{th}).
- Research Methodology

Session #7 (October 7\textsuperscript{th}).
- Research Methodology(continued)
- Research Ethics

Session #8 (October 14\textsuperscript{th}).
- NREM faculty.

Session #9 (October 21\textsuperscript{st}). Draft of research proposal due.
- NREM faculty.

Session #10 (October 28\textsuperscript{th}).
- NREM faculty.

Session #11 (November 4\textsuperscript{th}).
- Partners in research

Session #12 (November 18\textsuperscript{th}).
- Partners in research.

Session #13 (November 25\textsuperscript{th}).
- Partners in research.

Session #14 (December 2\textsuperscript{nd}). Research proposal due (hard copy)
- Student research proposal presentations.

Session #15 (December 9\textsuperscript{th}).
- Student research proposal presentations.
- Course wrap-up and course evaluations