

Resilience Seminar I
Anth/Biol/Econ/NRM 667 (1 credit)
Fall 2017

COURSE INFORMATION

Meeting time: **Mondays 4:30 -5:30 pm** beginning September 11.

Class Location: Murie 330

Prerequisites: Participation in the Resilience and Adaptation Program or permission of instructor

INSTRUCTOR:

Dr. Lawrence Duffy

Chemistry and Biochemistry, Institute of Arctic Biology

246 WRRB

907 474 7525

lkduffy@alaska.edu

TEXTBOOK: Arctic Resilience Report (2016). Arctic Council. Stockholm Resilience Center.

COURSE OBJECTIVE: The objective of the Resilience Seminar is to provide a forum for new students of the Resilience and Adaptation Program to explore and apply issues of sustainability and interdisciplinary studies relevant to research in the North.

COURSE LEARNING GOALS: Upon completion of this course students will...

- Understand rewards and challenges of interdisciplinary research,
- Gain exposure to logistics of interdisciplinary research and interpreting interdisciplinary peer-reviewed journal articles,
- Understand how and under what circumstances

- What are the advantages?
- Is it used in certain sectors more than other sectors (i.e. wildlife management, environmental justice, etc.)?

3) Thesis Proposal Outline (30% of grade)- By the end of the fall semester, each student will submit a brief (1-2 pages) summary of their thesis topic that gives title, research question/hypothesis, and general approach for their anticipated thesis chapters. A proposal is required by the Graduate School for each student and this gives the RAP faculty a chance to provide feedback on your developing research topic. If you already have a full proposal written, you may submit your full proposal.

COURSE SCHEDULE

| Date | Course Outline |
|--------------|---|
| September 11 | Approval of syllabus Introduction to central course project: Arctic Resilience Assessment |
| September 18 | Rewards and Challenges of Interdisciplinary Research |
| September 25 | Research Ethics • Begin CITI training, instructions at http://www.uaf.edu/irb/training/ |
| October 2 | Arctic Change Chapter 1 |
| October 9 | Multiple Arctics |
| October 16 | Arctic Regime Shifts |
| October 23 | Arctic Regime Shifts |
| October 30 | What Factors Build or Erode Resilience in the Arctic? |

