

**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

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**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**

<b>Date</b>	<b>Course Outline</b>
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 <a href="http://www.uaf.edu/irb/training/">http://www.uaf.edu/irb/training/</a>
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?

