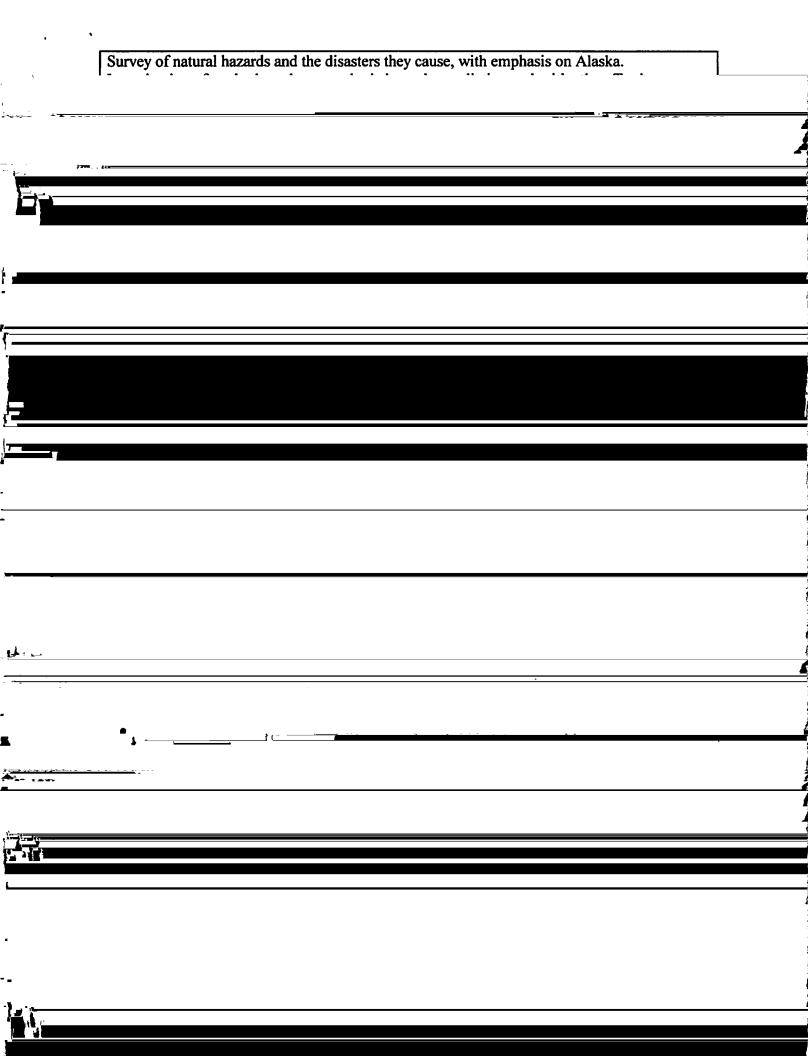
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	Prepared by	Jessica Larsen	Phone		7992	
	<u>Email</u>	Liflarsen@alaska.edu	Faculty Contact		.Iessica I arsen	
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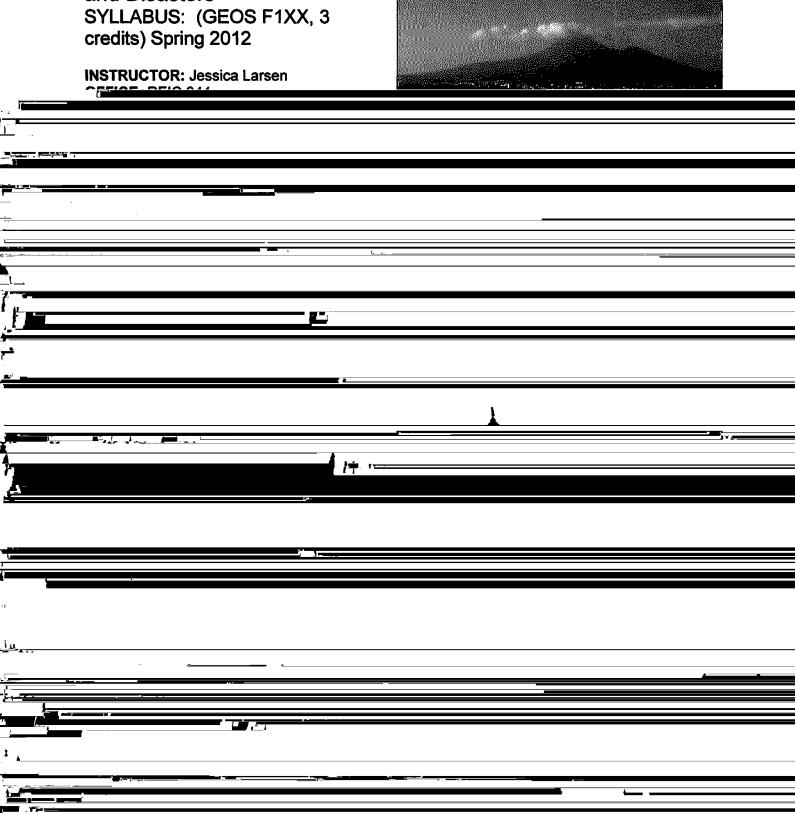
•	The trial version of this course will have very low impact. It will serve as 3 credits of Prof. Larsen's teaching load (already approved in 2010-2011 Workload). The course will require classroom
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	APPROVALS: Add additional signature lines as needed.
	Sanh Juell Date 9//2/11
	Signature, Chair, Program/Department of: Geology + 600h15ics
	Signature, Chair, College/School Curriculum Council for:
	Fauluffayn Date 9/13/11
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Trial Course: Natural Hazards

and Disasters



writing, sociology, political science, public policy, emergency management, and business. A primary objective is to give students a working knowledge of the science behind natural hazards, to help them better prepare for their chosen careers.

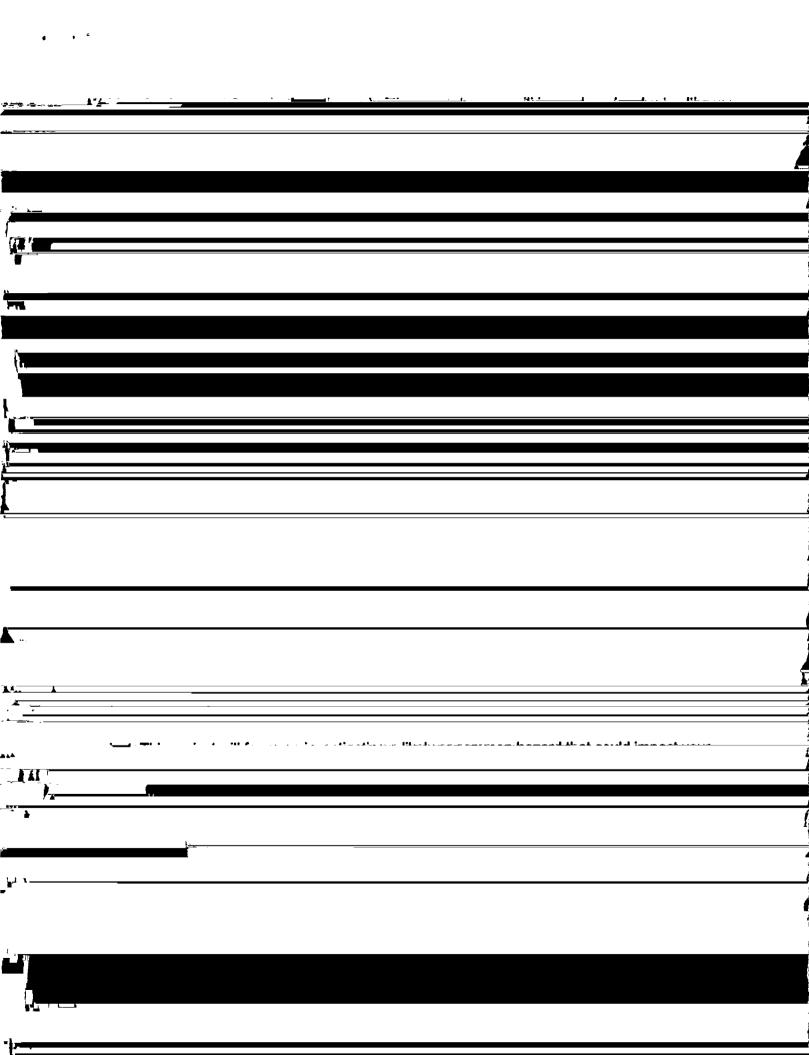
To meet this goal, the course objectives are: 1) Explore major types of geologic and

climate/weather related hazards, and the geoscience behind their causes. 2) Examine "case studies" that present ways that humans have tried to mitigate disasters associated with different types of hazards. 3) Explore the resulting societal impacts through case studies of recent hazardous events. 4) Apply what is learned in lecture through in-class and associated homework activities.

LEARNING OUTCOMES

phenomena view the natural and human world. The course will provide avenues to apply what you have learned through class, homework, case study, and writing activities. Upon completion, you will be able to:

♦ Explain the basic science behind geologic and climate/weather related natural hazards (i.e. as a teacher instructing his/her pupils)



Proposed Lecture Schedule (to be modified as needed)

DATE	LECTURE	HOMEWORK/ACTIVITY	
DAIL	DECTORE	TIONEWORVACIIVIII	ASSIGNMENT
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1/19	Introduction		CH 1
1/24	Plate Tectonics		CH 2
1/26	Earthquakes: Causes		CH3
1/31	Earthquakes: Mitigation		CH4
2/2	In Class activity	Great Earthquakes	
2/7	Tsunamis		CH5
2/9	In class activity	Japan, 2011	
2/14	Volcanoes4 Eruptions		CH 6
2/16	Volcano Hazards →		CH7
	Mitigation		
2/21	In Class activity	Mt. Redoubt, Alaska	
2/23	Landslides		СН в
2/28	Sinkholes/Subsidence		CH 9
3/1	EXAM #1		
3/6	Climate Change		CH 10
3/8	In Class aCtivity	TBD	

The final exam will be given during the scheduled day/time during finals week:

May 7-10