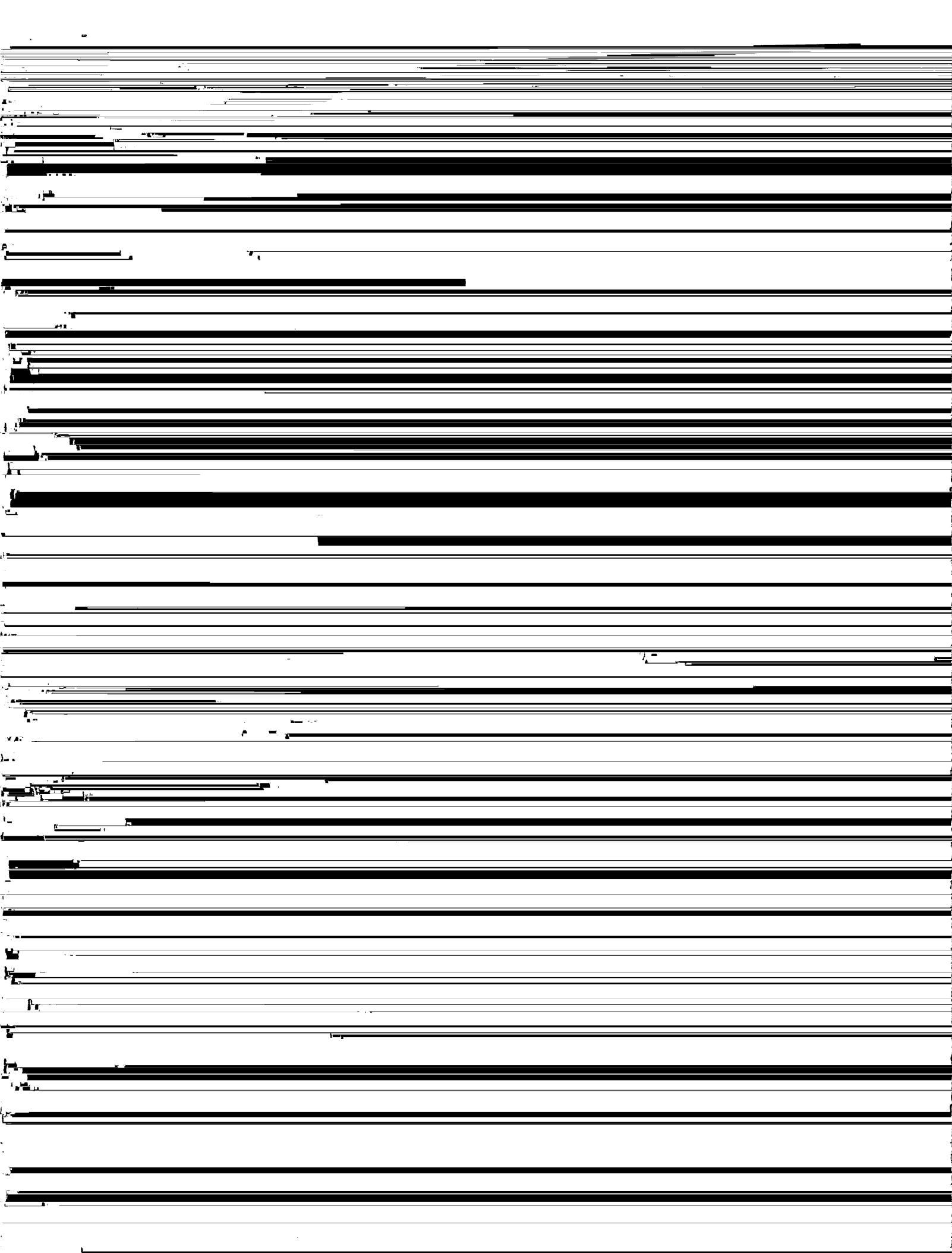


Original and copy sent electronic copy to the Faculty Senate Office



UAF	Course	GEOS F309 - TECTONICS
	Professor	Dr. Elisabeth Nadin
	Term	Fall 2014

Professor's Contact Information

Office Phone	907-474-5181
Office Location	REIC 334
Email Address	enadin@alaska.edu
Office Hours	MWF 12 pm - 3:30, 4:30 pm; T, R by appointment

General Course Information

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Page 1 of 100 | Kansas Wildlife & Parks - (9000) Q1-1-17 | 10/17/17

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Final Grade will be based on the percentage of total course points earned, as follows (I will apply the +/- options for borderline scores)	A = 90–100% B = 80–89% C = 70–79% D = 65–69%
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Paper Explanations and Class Discussions

You will be responsible for the papers listed below and will be expected to lead class discussions on them.

have to negotiate a little to make sure there are no repeats among students). For each of these two

Animations of how the San Andreas fault formed:

North Pacific Plate Tectonic History, 80–0 Ma

N.E. Pacific and W. North America Plate History, 38–0 Ma

Southern California: Plate Tectonic History, 20–0 Ma

ASSIGNMENTS: Part 1 (1. Plate tectonics and topography); Part 2: Set 1 (no animations)

*Jackson, 2002. Strength of the continental lithosphere: Time to abandon the jelly sandwich?
GSA Today, 4-9

Week 14: The Mechanism of Plate Tectonics

Kearey et al. Chapter 12 (22 pages)

*Coward and Lithgow-Bertelloni (2000) How mantle slabs drive plate tectonics

Plate 12.1: The forces that drive plate tectonics

*Lithgow-Bertelloni and Lister (2004) Slabs that drive the plates from below: Definitions