

# *Structural Geology Seminar*

Fall 2016

Office- McStreet Hall 215

GEOL 425

Monday  
C. M. Bailey  
x12445

1 – 3 p.m.

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*Preamble*

	Oct. 10 <sup>th</sup>	<b>NO CLASS!</b>	
7	Oct. 17 <sup>th</sup>	The Geometry and Kinematics of Folds	
			<i>Choose research project Valley &amp; Ridge cross section due (10%)</i>
8	Oct. 24 <sup>th</sup>	Strain on the Brain 2- progressive deformation, vorticity, and strain facies <i>Article 4-</i> Three-dimensional reference deformations and strain facies Tikoff and Fossen, 1999,	
9	Oct. 31 <sup>st</sup>	The Emplacement of Plutons	
10	Nov. 7 <sup>th</sup>	Balancing Geological Cross Sections <i>Article 5-</i> Crustal scale geometry of the Zagros fold-thrust belt, Iran McQuarrie, 2004	<i>Pluton analysis due (5%)</i>
11	Nov. 14 <sup>th</sup>	Microstructures 2- Understanding crystallographic axes and the stories they tell <i>Article 6-</i> Quartz C-axes are Amazing and Useful Law, 2012	
12	Nov 21 <sup>st</sup>	Collaborative work on the research projects	<i>Research report due (10%), Tuesday, Nov. 22<sup>nd</sup></i>
13	Nov. 28 <sup>th</sup>	Rounding out the research projects	