

**GEOS 2407  
Field Geology I  
Fall 2005**

**Goal:**

To provide hand-on experience with the collection, analysis, and presentation of geological field data. This course serves as the preparation for Field Geology II (Summer Field Camp)

**Instructor:**

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Office Hours: Fridays from 1:00 to 2:00 p.m.

**Teaching Assistant:**

Randy Griffin

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Office Hours: Fridays from 12:00 to 1:00 p.m.

**Text Book:**

Campton, R.R. 1985. Geology in the Field. John Wiley and Sons, New York. 398 p.

**Room:**

FO 2.604

**Time:**

Fridays and Wednesdays 9:00 - 11:45 am

**Grading:**

Lab work: 40%

Presentation: 5%

Final report: 15%

Midterm Examination: 20%

Final Examination: 20%

**Course schedule:**

August	19	General Information and Equipment
	24	Topographic Maps
	<b>26</b>	<b>Lab 1: Topographic Maps</b>
	31	Geological Structures
September	<b>02</b>	<b>Lab 2: Geological Structures</b>

	07	Geological Maps
	<b>09</b>	<b>Lab 3: Geological Maps</b>
	14	Geological and Stratigraphic Cross-sections
	<b>16</b>	<b>Lab 4: Geological Cross Section</b>
	17	ARBUCKLE MOUNTAINS WEEKEND FIELD TRIP GEOLOGICAL CROSS-SECTION
	21	Rock Descriptions
	23	Geological Field Notes
	28	Geological Map Interpretation
	<b>30</b>	<b>Lab 5: Geological map Interpretation</b>
October	05	Review to Midterm Examination
	07	<i>Midterm Examination</i>
	12	Geological Illustrations
	<b>14</b>	<b>Lab 6: Geological Illustrations</b>
	19	GSA – No Lecture
	21	Geological Reports
	26	Geological Remote Sensing I
	28	Geological Remote Sensing II
	29	BROKEN BOW UPLIFT WEEKEND FIELD TRIIP GEOLOGICAL MAPPING
November	<b>02</b>	<b>Lab 7: Geological Remote Sensing</b>
	04	Geographic Information Systems I
	09	Geographic Information Systems II
	<b>11</b>	<b>Lab 8: Geographic Information Systems</b>
	16	Geological Presentations
	18	Introduction to Cyber-mapping and the Geowall
	23	Students Presentations
	25	Thanksgiving – No Lecture
	30	Review to Final Examination
December	02	<i>Final Examination</i>