

## **ME571/GEO589—Special topics**

### **Exploration, mining and environmental geochemistry of uranium deposits**

#### **MIDTERM EXAM**

You can work in groups, but everyone must write their own answers. If anyone copies word for word from someone else, both students will receive a 0. If you copy from a published or internet source, use quotes and cite the references. Keep answers short, but complete.

Due March 21, 2016

- 1) What are some challenges in producing uranium in the U.S.? 20%
- 2) What methods are used in mining uranium? How does geology control these mining methods? 20%
- 3) Why are field notes and field reports important? 10%
- 4) What is the difference between a uranium occurrence, a uranium mineral deposit and a uranium ore deposit? Provide examples. 20%
- 5) What are 43-101 technical reports? 10%
- 6) Summarize your project for this class in 1-2 paragraphs. 10%
- 7) Describe one type of uranium deposit and provide an example (excluding sandstone and limestone uranium deposits). 10%