PRESENTATION SCHEDULE MONDAY OCT. 12

4:00-4:15 Taylor    Introduction / Overview
4:15-4:20 Break/Transition
4:20-4:35 Patty    Cook et al., 2004, Geological factors in the emergence of infectious disease
4:35-4:40 Break/Transition
4:40-4:55 Pesa    Moore-Nall, 2015, Uranium Mining on Tribal Lands and Public Health
4:55-5:00 Break/Transition
5:00-5:15 Cindy    NRC, 2007, Chapter 5 – What we eat
5:15-5:20 Break/Transition
5:20-5:35 Ryan    Combs, 2013, Geological Impacts on Nutrition
5:35-5:40 Break/Transition

Instructions: Capstone Seminar Presentation: Students will read their paper of choice and present seminar style summary for the class using powerpoint. The presentation will be 15 minutes in length with a bulleted synopsis and key figures/tables, as needed, synthesizing the content of the chosen reading. Similar to the written summaries, the general presentation format should include: (1) Introduction to the Problem / Issue, (2) Summary of Main Points, (3) Final Discussion of the Relevance, (4) References Cited.
## Paper Choices / Topics

<table>
<thead>
<tr>
<th>NAME</th>
<th>Paper Choice 1</th>
<th>Paper Choice 2</th>
<th>Paper Choice 3</th>
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<tbody>
<tr>
<td>Pesa Coslow</td>
<td>Moore-Nall, 2015, Uranium Mining / Health OR</td>
<td>Jones, 2005, Animals and Medical Geology</td>
<td>Maskall and Thornton, 1996, Trace elements</td>
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<td>Cindy Millan</td>
<td>NRC, 2007 Chapter 5- What we eat</td>
<td>NRC, 2007 Chapter 4- What we drink</td>
<td>Oliver &amp; Gregory, 2015, Soil-Food security</td>
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<td>Vanessa Rutherford</td>
<td>Skinner, 2003, Geochemistry and Vertebrate Bones</td>
<td>Skinner, 2005, Mineralology in Bone</td>
<td>NRC, 2007, Ch. 4 - What we drink</td>
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### Instructions:

**Capstone Seminar Presentation:** In addition to the written summaries of assigned papers described above, students will choose one additional paper of interest (student choice) to read and present seminar style for the class using powerpoint. The presentation will be 10-15 minutes in length with a bulleted synopsis and key figures/tables, as needed, synthesizing the content of the chosen reading. Similar to the written summaries, the general presentation format should include: (1) Introduction to the Problem / Issue, (2) Summary of Main Points, (3) Final Discussion of the Relevance, (4) References Cited. Students are to choose three readings of interest, ranking them from 1 (most preferred) to 3 (least preferred). Student paper choices for seminar presentations will be Moodle uploaded as a Microsoft Word *.doc by October 2, 2015. Each student will present a unique paper to the group at a capstone class meeting (mode, date and time to be determined). The instructor will sort through the preferences and arrange the seminar program based on the student preference list (avoiding duplicate choices as needed). Based on discussion with the student group, the capstone seminar presentation is scheduled for Monday October 12, 4-6 PM. A downloadable list of student-choice papers are listed below:

### Seminar Readings - Downloadable Papers - Alphabetical Order by Author (*.pdf files)

- Abrahams, 2005, Geophagy and the involuntary ingestion of soil, in Selinus, 2005
- Alloway, 2005, Bioavailability of Elements in Soil, in Selinus
- Appleton, 2005, Radon in Air and Water, in Selinus, 2005
- Appleton, 2007, Radon: Sources, Health Risks, and Hazard Mapping
- Baumgartner et al., 2014, Highways proximity and black carbon from cookstoves as a risk factor for higher blood pressure in rural China (New Posting 2014)
- Berger, 2003, Overview / Linking of Health and Geology, in Skinner and Berger
- Bowell et al., 1996a, Formation of cave salts and utilization by elephants in Kenya
- Bowell et al., 1996b, Biogeochemical factors affecting groundwater quality in Tanzania
- Bowman et al., 2003, Medical Geology - New Relevance in the Earth Sciences
- Brevik and Sauer, 2015, Soils and Human Health (New Posting 2015)
- Bultman, 2005, The ecology of soil-borne human pathogens, in Selinus, 2005
Bunnell, 2004, Medical Geology: Emerging Discipline on the Ecosystem-Human Health Interface
Bunnell et al., 2005, GIS in Human Health Studies, in Selinus, 2005
Bunnell et al., 2013, GIS and Health (New Posting 2014)
Centeno et al., 2005, Environmental Pathology, in Selinus, 2005
Centeno et al., 2013, Environmental Pathology (New Posting 2014)
Centeno et al., 2007, Global Impacts of Geogenic Arsenic: A Medical Geology Research Case
Combs, 2005, Geological Impacts on Nutrition in Selinus, 2005
Combs et al., 2011, Selenium and Health (New Posting 2014)
Combs, 2013, Geological Impacts on Nutrition (New Posting 2014)
Cook et al., 2004, Geographical factors in the emergence of infectious disease
Davies, 2003, Case Study: Geomedical Health Conditions in Africa
Davies et al., 2005, Medical Geology Perspectives, in Selinus
Davies et al., 2013, Medical Geology Perspectives and Prospects (New Posting 2014)
Derbyshire, 2003, Case Study: Natural Dust and Pneumoconiosis in Asia, in Skinner and Berger
Derbyshire, 2005, Natural Dust and Human Health, in Selinus, 2005
Derbyshire, 2007, Natural Minerogenic Dust and Human Health
Dissanayake, 2005, Of stones and health - Medical geology in Sri Lanka
Dissanayake and Chandrajith, 1996, Iodine in the environment and endemic goiter in Sri Lanka
Edmunds and Smedley, 1996, Groundwater geochemistry and health: an overview
Eggers et al., 2015, Health Risk Associated with Uranium Mining on Tribal Lands (New Posting 2015)
Fang et al., 2015, Lead Occurrence in Soil and Agricultural Products in Coal Mining Regions (New Posting 2015)
Finkelman, 2007, Health Impacts of Coal: Facts and Fallacies
Finkleman et al., 200X, Medical geology - An emerging discipline
Finkleman et al., 2003, Case Study: Coal Combustion and Human Health in China, in Skinner and Berger
Finkleman et al., 2005, Medical geology - The emergence of a new discipline
Fowles et al., 2013, Environmental Medicine (New Posting 2014)
Frank, 2003, Molybdenosis Leading to Type 2 Diabetes Mellitus in Swedish Moose, in Skinner and Berger
Fordyce et al., 1996, Stream sediment, soil, and forage chemistry of cattle health in Zimbabwe
Fordyce et al., 2003, Case Study: Natural Iodine Occurrence in Sri Lanka, in Skinner and Berger
Fordyce, 2005, Selenium Deficiency and Toxicity, in Selinus, 2005
Fordyce, 2007, Selenium Geochemistry and Health
Fowles et al., 2005, Environmental Medicine, in Selinus, 2005
Fuge, 2005, Anthropogenic Sources, in Selinus, 2005
Fuge, 2005, Soils and Iodine Deficiency, in Selinus, 2005
Fuge, 2007, Iodine Deficiency: An Ancient Problem in a Modern World
Gomes and Silva, 2007, Minerals and clay minerals in medical geology
Nielsen and Jensen, 2005, Environmental Epidemiology, in Selinus, 2005
Nordberg and Cherian, 2013, Biological Responses of Elements (New Posting 2014)
Orem et al., 2007, Health Effects of Toxic Organic Substances from Coal: Toward "Panendemic" Nephropathy
Oregon Public Health Department, 2009, Sutherlin Valley Groundwater Arsenic Study
Pereira et al., 2007, Strengthening Environmental Health in Malaysia - Linking Medical Geology to Health and the Environment
Plant et al., 1996, The role of geochemistry in environmental and epidemiological studies
Plant et al., 2003, Global Environmental Geochemistry, in Skinner and Berger
Roman et al., 2010, An approach to the arsenic status in cardiovascular tissues of patients with coronary heart disease (New Posting 2014)
Robbins and Harthill, 2003, Life in Copper Province, in Skinner and Berger
Rubenowitz and Hiscock, 2005, Water Hardness and Health, in Selinus, 2005
Selinus, 2003, Biogeochemical Monitoring in Medical Geology - Methods and Practice, in Skinner and Berger
Selinus, 2004, Medical Geology: an emerging speciality
Selinus, O., 2007, Medical Geology - An Opportunity for the Future
Selinus and Frank, 2000, Chapter 10 - Medical Geology
Selinus and Galgan, 1996, Biogeochemistry and metal biology
Selinus et al., 2007, The Medical Geology Revolution
Selinus et al., 2008, Medical Geology - A new future for geology
Shahbazi et al., 2013, A review on natural background radiation (New Posting 2014)
Singh, 200X, Theoretical Basis For Medical Geology
Skinner, 2003, Geochemistry and Vertebrate Bones, in Skinner and Berger
Skinner, 2005, Mineralology in Bone, in Selinus, 2005
Smedley and Kinniburgh, 2005, Arsenic in Groundwater and the Environment, in Selinus, 2005
Steinnes, 2003, Biogeochemical Cycling of Selenium and Iodine - Implications for Geomedicine, in Skinner and Berger
Stone and Edmunds, 2014, Naturally-high nitrate in unsaturated zone sand dunes above the Stampriet Basin, Namibia (New Posting 2014)
Tateo and Summa, 2007, Element mobility in clays for healing use
Thornton, 1996, Sources and pathways of arsenic in the geologic environment
Tsing et al., 2007, Blackfoot Disease in Taiwan: Its Link with Inorganic Arsenic Exposure from Drinking Water
Wang et al., 2006, Arsenic concentrations in Chinese coals
Weinstein and Cook, 2005, Volcanic Emissions and Health, in Selinus, 2005
Weinstein and Cook, 2007, Epidemiological Transitions and the Changing Face of Medical Geology
Weinstein and Selinus, 200X, Nature and Medicine - A break through for human health
Whanger et al., 1977, Arsenic in Oregon Waters
Wright et al., 2012, The impact of solar ultraviolet radiation on human health in sub-Saharan Africa (New Posting 2014)
Wuyi et al., 2003, Case Study: Aresenic and Selenium Toxicity, in Skinner and Berger