

Vanessa Alarcon

ES 202

2/15/2016

Topic: Glacial history of the Pacific Northwest

Focus: Glacial history of Mt. Hood

OV.
zh

Jacob Bannister

ES 202W

2/15/2016

Winter Term 2016 Paper Topic

Coastal erosion and hazards in Oregon

OK

2/2



Steve Taylor <taylors@mail.wou.edu>

Term Paper

1 message

Austin Barnes <abarnes14@mail.wou.edu>
To: Steve Taylor <taylors@mail.wou.edu>

Mon, Feb 15, 2016 at 9:22 AM

Hello Dr. Taylor,

Both Friday and Monday I will be in Portland for a Model United Nations conference and will not be able to attend class. I received your email about the term paper topic and was hoping you could clarify if the Monday deadline was just for the topic choice or if there is more required. I'm unsure what topics are still open but I looked over the source info on the class website and Active Tectonics of Oregon/PNW/Tsunami record of seismicity looked like a very interesting topic to write on. Is that topic still open?

Thank you for your time,
Austin Barnes

o.k. 2/2

Missoula Floods: Wiping the Slate Clean

Jeremy
Bunk

0.4.

2/2

Bethany Blancher

ES 202

2/15/16

Paper topic: Flood Hazards of the Willamette Valley



Paper topic

implications involving the Oregon Watershed

focus on River
RESTORATION

& Salmon
habitat

2/2

Kolby Childers

ES202

2/15/2016

My term paper will be over the geologic history of the Yaquina bay and the formation of Yaquina head.
My paper will be over the geologic setting and history, and the coastal erosions that took place.

OK

2/2

Western Oregon
UNIVERSITY
powered by google

Steve Taylor <taylors@mail.wou.edu>

Sick (ES 202)

1 message

Hunter Collins <hcollins14@mail.wou.edu>
To: Steve Taylor <taylors@mail.wou.edu>

Wed, Feb 17, 2016 at 12:27 PM

Good afternoon Professor Taylor,

I just wanted to email you and let you know that I have been sick all week and won't be at lab today. I think I am starting to get over whatever it is I have though so hopefully I will see you on Friday. On another note I saw the email about term papers and had a question for you. For one of my other classes, Geology of Pacific NW, we are having to write a field guide of sorts based on something in Oregon. My topic is the threat and potential danger of a lahar coming from Mount Hood. I was wondering if this would be an acceptable topic for your classes term paper, with a few changes to better fit what your guidelines are. If you could get back to me and let me know that would be great.

Thank you,
Hunter Collins

Focus on

GLACIAL
History
of
Mount
Hood

Re: Geo 1305
Different than
Geo of PNW

Glacial History of the Pacific Northwest

ES202

Matthew Coyle

14 February 2016

Focus
on
GLACIAL HISTORY
of
SEATTLE/PUGET SOUND/
SEATTLE

Soren Cullivan
Principles of Geology
15 February 2016
Paper Topic Proposal

The topic I have chosen for my term paper is Coastal Processes / Hazards of Oregon. I have a love for the Oregon Coast and I am interested in finding out more about it.

OK.

2/2

Geo 202 paper topic

Drew Donahue

2/15/16

- The Missoula Flood story of Washington/Oregon

OK,

2/2

Nathaniel Dunaway
ES 202 Principles of Geology
Term Paper Topic
2/14/16

"Rivers, Lakes, and Alkaline Playas in the Oregon High Desert"

O.K.

2/2

2/15/2016

Geology Topic (Paper)

Blake ☒
Egli

Topic: Ancient
Cataclysmic Events of
western United States.

Details:
1) Astroidal Impacts
2) Floods ^{Missouri} _{ancient floods}
3) Massive Fire

Massive
Extinctions

4/2

Focus
on Columbia
Geologic
History

Joe Freitag
2/11/2016
ES 202

Neotectonics of Oregon

2/2

o.k.

Neotectonics of the Southern Oregon Coast

Overview of the Cascadia subduction zone

-It is here, the Juan de Fuca plate, convergence. Land raises. As land raises, land is lifted above sea level. Land that was flattened by wave action becomes new dry surface.

The formation of marine terraces on Southern Oregon Coastal Plains

The Coastal Plain

-There is a coastal plain 38 miles long that runs from the Seven Devils area south to Port Orford. This plain contains the terraces of Seven Devils, Pioneer, and Whiskey Run (US Dept. Interior, 1943, pg. 117)

Formation of a marine terrace (time and definition)?

-A marine terrace is a relatively flat, either horizontal or slightly inclined, surface of marine origin that has been lifted out of the sphere of wave activity (Wikipedia).

The Terraces of Southern Oregon

- Seven Devils
- Pioneer
- Whiskey Run

Conclusion

Marine Terraces are stepped plateaus that have been lifted above the influence of waves, or subsided below the influence of waves. There are several on the Southern Oregon Coast. They take a while to form.

Cited References

Documents

US Dept. Interior Study,

Wikipedia, Marine Terrace: https://en.wikipedia.org/wiki/Marine_terrace

Pictures

Marine Terrace Diagram: https://en.wikipedia.org/wiki/Marine_terrace

Nicole Inman

ES 202

2-15-16

Topic: Climate change effects on the Oregon coast in the last ²⁰10,000 (?) years relating to sea level rise.

11 Post-Gracial Sea Level
Change Along the
Pacific Coast of
North
America 1

0 14.

2/2

David Jaquez

ES 202W

Dr. Taylor

2/14/16

Term Paper Assignment Topic

My term paper will discuss the history of sea level and climate change along the Oregon Coast. It will discuss what is causing the changes and the affects that the changes are having in the Pacific North West. As well as its relationship to geology.

"Post Glacial Sea Level
Change (last 20,000 yrs)
Along PACIFIC
COAST
of
North
American"

2/2

Aspen Johnson

ES 202

2/14/16

Paper Topic

2/2

The topic I picked for my paper is soils geology in Oregon. I am planning on focusing on the Pendleton area in Northeastern Oregon. I will use the soil survey books in WOU library and the web soil survey website online to help conduct my research. The website is:

<http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>. I have used it before in the soils class I took at Blue Mountain Community College.

Focus on "Geologic History of the Umatilla Basin" which includes Pendleton

Ryan Johnson

15 February 2016

ES 202 Paper Idea

For my paper, I would like to write on the history of the Oregon Dunes.

o.k.
"Geologic History of
Oregon Dunes"
2/2

Sierra Johnston

ES 202W

Taylor

2/12/2016

Flood hazards of the Willamette Valley

o.k.
↓

✓
Focus in
Flood

2/2

1996

ES 202 Paper Topic

Josh Wicks

The effects of logging and human influence
(building and construction) on mass wasting events
in western Oregon.

O.K.
see me I have
papers

2/2

Jennifer Menkel
ES202
2/15/16

Term Paper Topic

Salinity: Ground water and aquifer quality issues in Polk, and Marion counties, and the related geology that contributes to the problem.

O.K. Set me for papers
2/2

Nathina Montgomery

February 12, 2016

Volcanic hazards of Oregon, specifically the Pacific Northwest

Focus on Mt. Jefferson



2/2

Kendra Pietrok

February 15, 2016

ES202- winter

Here are some term paper topics I have chosen but would like your input and help on narrowing it down. They are some-what in the order that I find most interesting but I do not know much about any of these topics so I am open-minded.

Thank you! :)

- ☐ The Missoula Flood story of Washington & Oregon
- ☐ Active tectonics of coastal Oregon
- ☐ Earthquake hazards in Oregon
- ☐ Climate change in Oregon

o.k.

See me, for
papers

rh

Connor Pomeroy

Dr Taylor

Es 202

February 2016

Essay Topic

I would like to write a paper on the geologic features of Crater Lake and how erosion and weathering have altered them over time.

Focus on Hypoxia of
CRATER
LAKE

2/2

Paul Rostad

ES202: Principles of Geology II

February 12, 2016

Professor Steve Taylor

2/2

Topics of Interest for Term Paper Examining the Geology of Pacific Northwest

- An exploration as to the cause of the active tectonics taking place on the Oregon coast, the behavior of the plates involved and the resultant changes to the state's topography. One could easily correlate the ongoing tectonic subduction event responsible for the uplift to the presence of marine organism fossils in the Oregon interior.

- Viscoelastic uplift and isostatic rebound investigation due to southeastern Alaska's glacial history. One could come up with a reasonable rate if the data exists, and I am certain maps and models of the observable rebound areas exist. One could also explain the mechanics involved with isostatic rebound and go a bit into the geologic history of the region, including evidence such as marine sedimentary deposits at higher present elevations today.

ok. SE ALASKA
✓ GLACIAL HISTORY

David Solvedt

February 14, 2016

Paper Topic:

2/2

Geologic History of the Columbia River Gorge

o.k.

Kaleb Sorenson

Term paper

2/18/16

The topic that I have chosen to do my paper on is climate change and the related geologic history of eastern Oregon, specifically areas surrounding John Day and Heppner.

RESTORATION
N. WIC
JOHN
DAY

Focus on

River
Restoration

North Fork

JOHN DAY
River

2/2

Cayla Stevenson

2/15/16

Term Paper Topic

I would like to study The Missoula Floods that seep through eastern Washington and down the Columbia River Gorge at the end of the last ice age.

focus on Geology
of the
channeled
scablands
★

Brent Sumner

ES202

2/15/16

COLUMBIA GORGE HISTORY

O.K.

2/2

Joey Tavares
February 14th, 2016
ES202

My topic of choice is going to be Tsunami hazards and deposits in coastal Oregon. I initially wanted to write about the continental shelf here in the Pacific Northwest but researching the hazards and deposits of tsunamis pertains more to surface functions and the sediment environment we occupy as humans. I assume the continental shelf of coastal Oregon will be a focal point for tsunami hazards, this way I can still write about something that interests me while gearing it more towards what we have done thus far in 202. I don't want to put myself in a bind though, so if you believe this topic is too sparse let me know as a few other topics pique my interest as well.

OK.

Yh

Lexington Taylor

ES 202

2/15/2016

Changes in the Prineville reservoir and how we can tell what happened in the past and what's to come in the future.

42

Too narrow A topic

↓

Focus on
"Geology & Hydrology
of the Crooked
River Basin, Oregon"

↓

which includes
Prineville
area

ES 202 TERM PAPER

Kyle
Warren
2/14/16

1. THE CHANNELLED SLAIBLANDS

2. TSUNAMI DEPOSITS ON THE COAST

3. ACTIVE TECTONICS OF OREGON COAST

O.K.

Geology of
Channelled

Scab Channels

Matt Whitesell

ES 202 Principles of Geology

Term Paper Topic

2/14/16

The Effects of a Large Earthquake on the Foundations of Buildings in the Willamette Valley

Seismic 2/2
~~SHAKING~~ HAZARDS

IN
WILLAMETTE
VALLEY"

O.K.