**Lecture-Level learning goals for *Volcanoes***

**UBC EOSC 114, *The Catastrophic Earth-Natural Disasters***

Day 1

* What is magma?
* Why does magma erupt?
* Why is magma important?
* Why are gases are critical?

Day 2

* Why do volcanoes occur where they do?
* What are the different types of volcano?
* Why are there different types of volcano?

Day 3

* Estimate the SIZE of eruptions.
* Compare different types of eruption:

– LAVAS

– PYROCLASTIC FALL

– PYROCLASTIC FLOWS

– LAHARS (next class)

* Use them to rank the danger of probable hazards.

Day 4

* have examined the major volcanic hazards:

– LAVAS (Wednesday)

– PYROCLASTIC FALL (Wednesday)

– PYROCLASTIC FLOWS

– LAHARS

– SECTOR COLLAPSE

– POISONOUS GASES

* and used this knowledge to MAP major hazards around different volcanoes.

Day 5

* describe and assess different volcano monitoring techniques
* discuss the way BC’s volcanoes are monitored
* evaluate hazards and risks associated with an eruption from Mount Baker