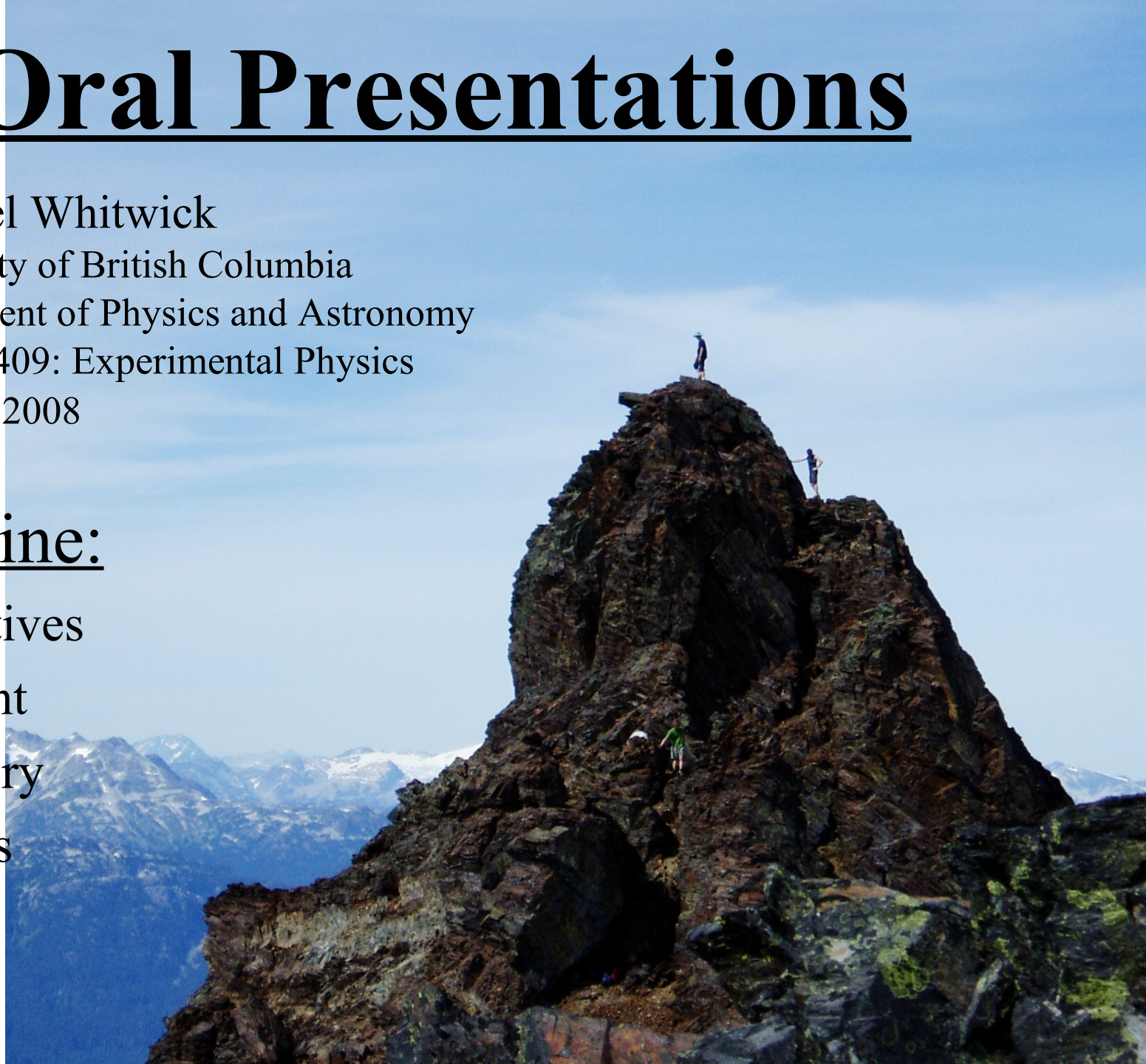


# Oral Presentations

- Michael Whitwick
- University of British Columbia
- Department of Physics and Astronomy
- Physics 409: Experimental Physics
- Jan 23<sup>rd</sup>, 2008
- 

## • Outline:

- Objectives
- Content
- Delivery
- Graphs
- Venue



# Objectives

Present your results and  
conclusions in an interesting and  
convincing manner

- Display competency and understanding
- Show the merit of your work
- Provide the scientific community with new knowledge
- Lead a discussion on a debated or new subject

# Objectives: Phys409

Provide a forum to  
learn and practice vital  
communication skills

- Provide feedback, advice or help
- Gauge your progress on your experiments
- Give a grade

# Content

- Outline the talk
- State the purpose the talk
- Introduce and motivate the subject, set the context of the experiment
- Provide limited theory
- Describe the experiment and apparatus
- Present and discuss your data and results
- Give a strong concluding statement

# Content

- Focus on experimental aspects
- Avoid mathematical formula (only what you need)
- Describe your experiment - Use Block Diagrams
- Present your data - Use Simple Graphs
- Be relevant and concise
- Limited to 12 minutes (Practice your talk)

# Delivery: Audio

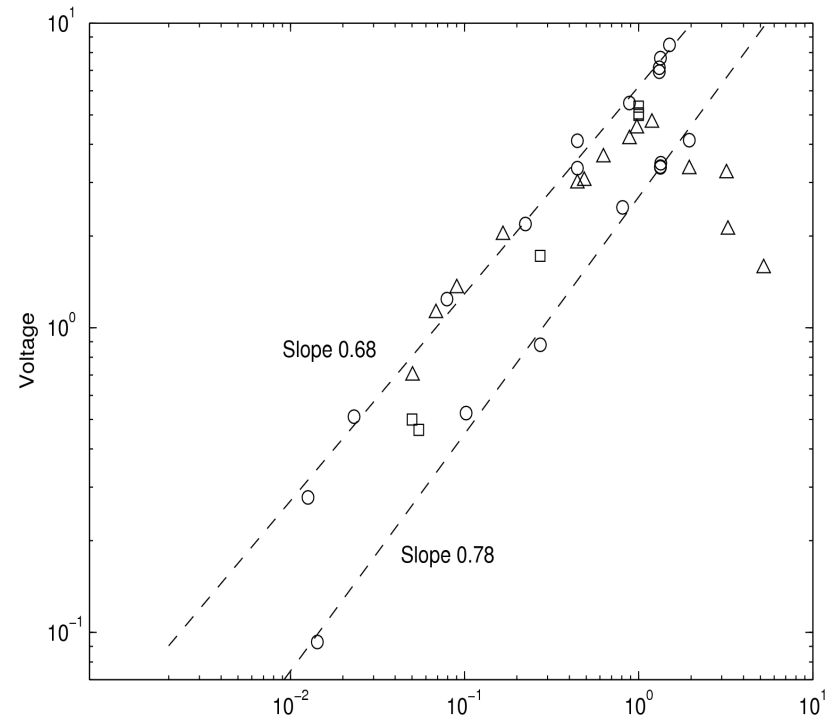
- Be clear and audible
- Avoid reading overheads word for word
- Be calm - Pace yourself and speak slowly
- Talk towards the audience
- Be prepared - Practice beforehand
- Be prepared - Practice with a friend

# Delivery: Visual

- Avoid cluttering slides
  - Large readable text
- Simple and clear diagrams
- Use **colour** to highlight (Visible colours)
- Use pointers to direct attention
- Should spend about one minute per slide

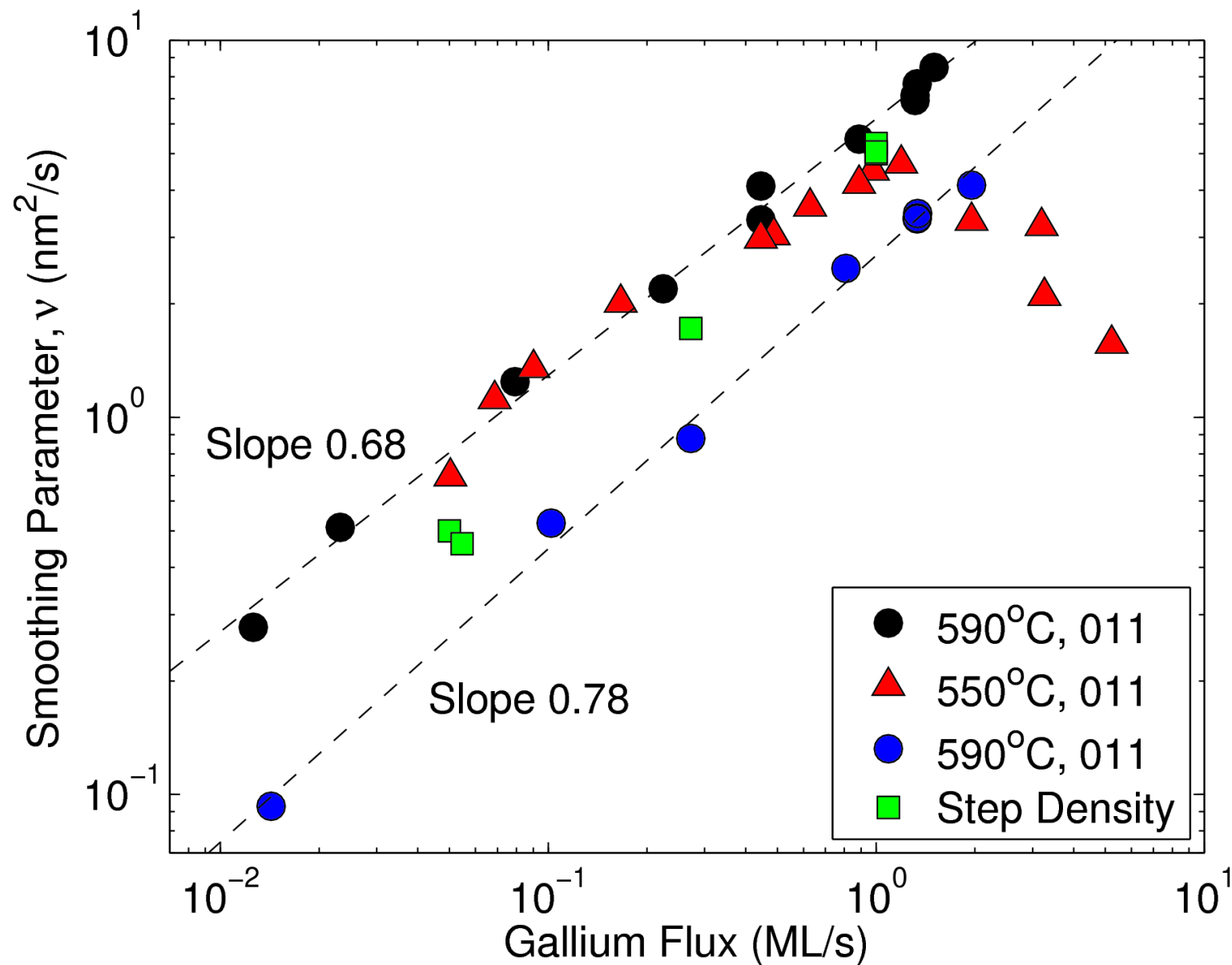
# Graphs and Diagrams

- Keep simple
- Use clear block diagrams over pictures of the apparatus
- Use **colour**
- Use all available space
- Axis must be **physical** parameters
- Label relevantly (**with Units!**)
- Use large fonts
- Reference borrowed diagrams





Give a relevant title



# Venue

## APS Format

- Warning at 10 minutes
- **Forcibly stopped at 12 minutes**
- 3-5 minutes of questions

## Tools

- Overhead projector and Laptop
- Laser and wooden pointers

## Time

- 2 pm, Feb. 6<sup>th</sup> and 7<sup>th</sup> 2008
- AMPEL 311