Topics: Introduction to Course

Approach: Discussion, Explanation, Discussion

Main Ideas:

1. Brief Introduction
   Agenda
   Teaching staff - who we are
   Students - who they are

2. What is this course about?
   a. Summary -
      How computers and the Internet work and (theory)
      how to work computers and the Internet (practice)
   b. Organizing Idea
      Problems and Procedures -
   c. Focus
      Information - representation, storage, transmission, processing
   d. Method: WTP, WTS, HIW, LMTO
   e. Approach
      Look at specific problems, study and create solutions
   f. Problem 1: How to get a bunch of pictures to a bunch of people?
      - compare 1809, 1909, 2009
      - WTS/HIW
   g. Details of 2009 solution - procedure and questions (the big picture)
      transfer, storage, shrinking, making pages,
      making dynamic pages, changing slides,
      all happens automatically
   h. Examine some 2009 Solutions
   i. Beyond images: how could you send sound, text, smell, taste, ...

3. The course
   a. A Language Course - Learn by doing and practice
   b. Structure of class - lectures, labs, projects
   c. No clear textbook - take notes, and ask
   d. I have topics and goals, you can set examples
   e. Sign up for labs, read website

4. From Problem to Procedure - sorting
   a. Computers sort things - by date, size, title, ...
   b. Problem: How to put a bunch of things in order
   c. Solution: you try it
   d. Write down your procedure so someone else use it (like a recipe)
   e. Discuss/Compare procedures
   f. What if you had 100 cards to sort?
   g. Next time: how could you build a machine to do this?

5. What next?
   a. Complete student info sheet
   b. Homework due next Wednesday