Ken Wong
Department of Computing Science
University of Alberta

CMPUT 301

MOTIVATION

Discussion

- What is software engineering about?

"Software Engineering"

- Link:
  - http://en.wikipedia.org/wiki/Software_engineering

  - "It is a 'systematic approach to the analysis, design, assessment, implementation, test, maintenance and reengineering of software, that is, the application of engineering to software.' "

Weinberg's Second Law

- Quote:

    ◦ "If builders built buildings the way programmers wrote programs, then the first woodpecker that came along would destroy civilization."

- Quote:

  - "Software and cathedrals are much the same—first we build them, then we pray."

    Sam Redwine

Discussion

- Why is developing quality software on-time and on budget so difficult?

COURSE INFORMATION

Goals

- Learn and apply:
  - effective software development practices

  - focusing on:
    - team project
    - design
    - tools
    - practicality

Materials

- eClass site:
  - https://eclass.srv.ualberta.ca/

  - outline / policies
  - schedule
  - course work
  - lecture and lab notes
  - blended learning

  - labs start next week

Communication

- eClass discussion forums:
  - announcements
  - questions and answers

  - please be courteous
  - also help each other out

Communication

- Instructor email:
  - ◦ kenw@cs.ualberta.ca
  - ◦ please be concise

- Instructor office hours:
  - ◦ please email for an appointment