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University of Alberta

• **CMPUT 301**

Slides originally by Ken Wong

Discussion

What is software engineering about?

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• **Motivation**

“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.’ ”

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Weinberg's Second Law

Quote:

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

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Quote:

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

Sam Redwine

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Discussion

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

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 **Course information**

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Goals

Learn and apply:
effective software development
practices

focusing on:

- team project
- design
- tools
- practicality

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Project

Learn and apply:
effective software development practices

We will be role-playing.

It's a popular system called Agile Software
Development.

A little bit like D&D except no combat please.

I am the customer.

The TAs will be the managers.

You'll be the programmers.

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Materials

Eclass Moodle site:

[https://eclass.srv.ualberta.ca/course/
view.php?id=14181](https://eclass.srv.ualberta.ca/course/view.php?id=14181)

outline

schedule

course work

reference materials

lecture and lab notes

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Communication

Eclass discussion forums:
announcements
questions and answers

please be courteous
also help each other out

Also I will use this for participation.

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Communication

Instructor email:
abram.hindle@ualberta.ca
please use concise, plain text
messages

Instructor office hours:
Wednesdays at 10:00
or arrange an appointment by email

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