

CS 361

Software Engineering

Thursday, Sep 20, 2018

Professor

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History of Software Engineering

The term was first used in 1968 at the NATO Software Engineering in Garmisch, Germany.

The practice predates the term



What is Software Engineering?

A definition

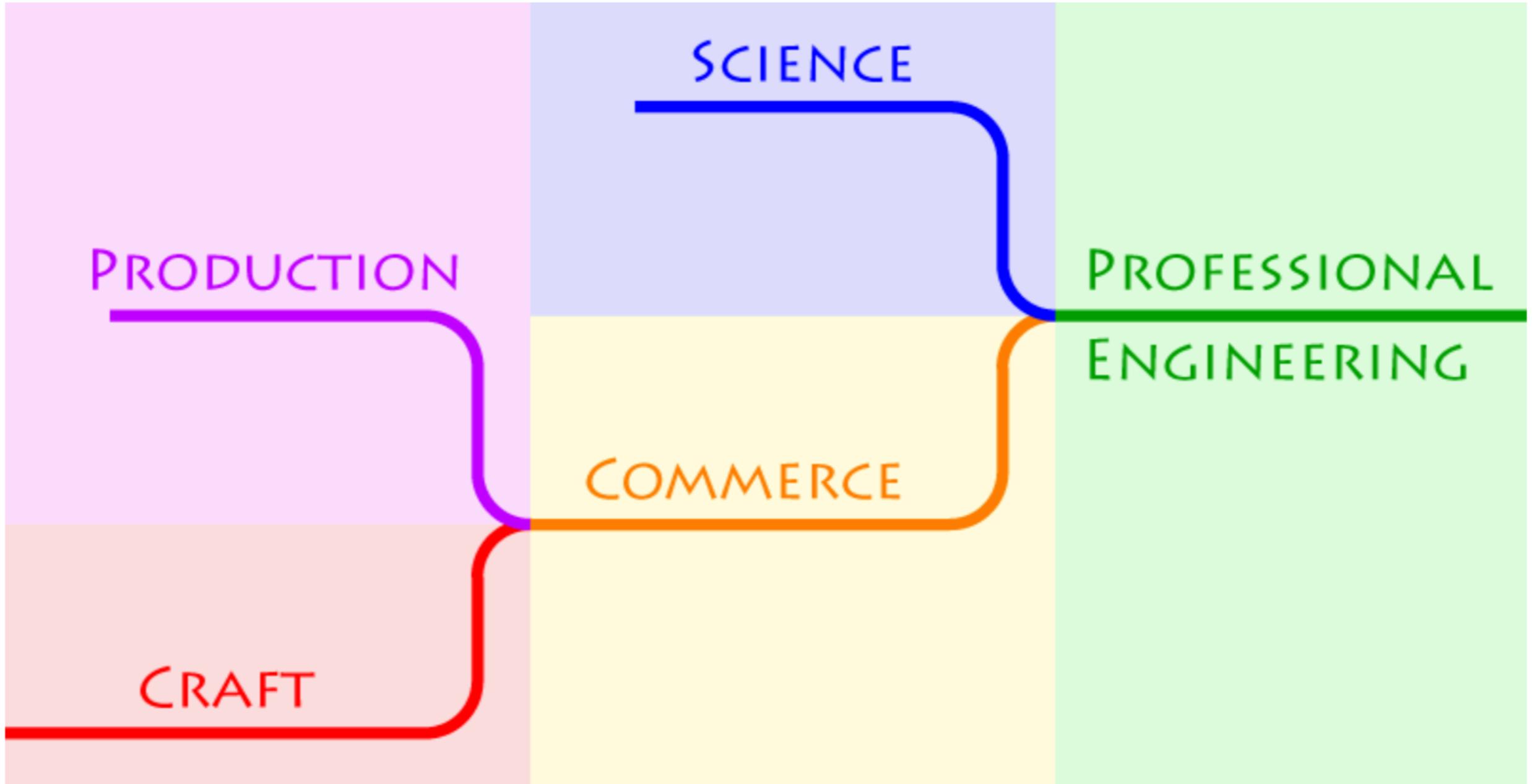
Creating cost-effective solutions...

... to practical problems ...

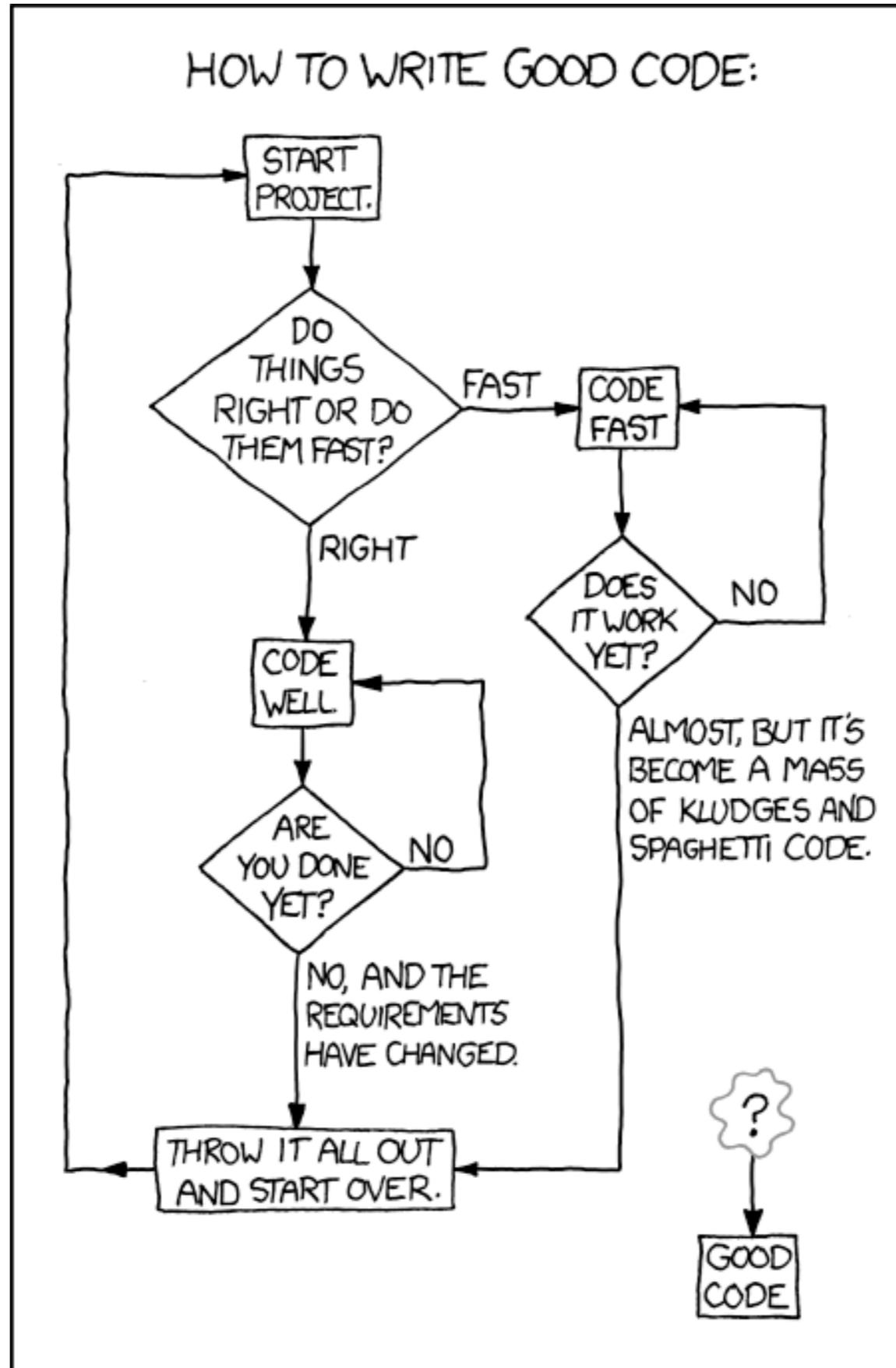
... by applying scientific knowledge ...

... building things ...

... in the service of mankind



HOW TO WRITE GOOD CODE:



Some things we will study in this class

Requirements: a description of what software should do and should be

Design: a description of something that could be created

Validation: making sure that you are headed the right direction

Notations: the rules for describing requirements, designs, and systems

Cost and Schedule: the amount of money and time expended on creating a system

Teamwork: people striving toward a common goal

Class activities

In class participation: 10%

Final Exam: 30%

Project: 60%

In class participation

Answer questions when called upon

Participate in **group activities**

Participate in **class activities**

Submit questions for the **interviews**

Be ready to discuss **readings**

Final exam

Held during the allocated slot

Comprehensive (this also includes the readings)

Project

Learn by doing

4 two week sprints

MVC app build in Java with Javascript/HTML

Teams of 4.

You will experiment with: **version control, continuous integration, sprint planning**, and many more.

Communication channels

Slack:

#announcements - for class announcements

Dedicated channels for each assignment (e.g. **#sprint0**)

Email for personal or grading questions only (use [CS 361] in the subject)

Canvas will be used for posting grades

Assignments will be posted on the website

Sprint 0

Posted on the class website: [http://
cs361fall2018.github.io/assignments/sprint0](http://cs361fall2018.github.io/assignments/sprint0)

Due Friday, September 28th at 5PM.

Forming teams

Due Friday, September 28th at 5PM.

Submission details will be posted to
#announcements.