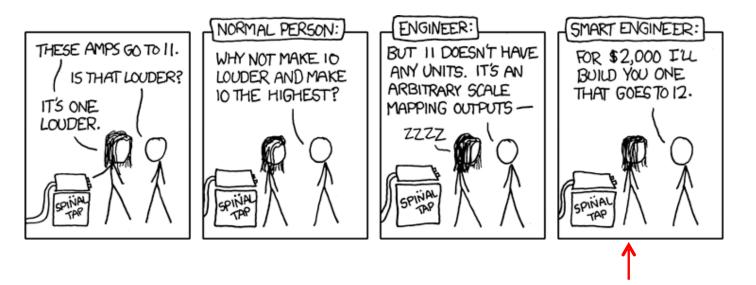
J Paul Gibson

www-public.int-evry.fr/~gibson/Teaching/CSC7336/





The primary objective is to provide additional (advanced/smart) software engineering skills that may be of use to you in your future projects.

The secondary objective is to reinforce your mastery of software engineering fundamentals.

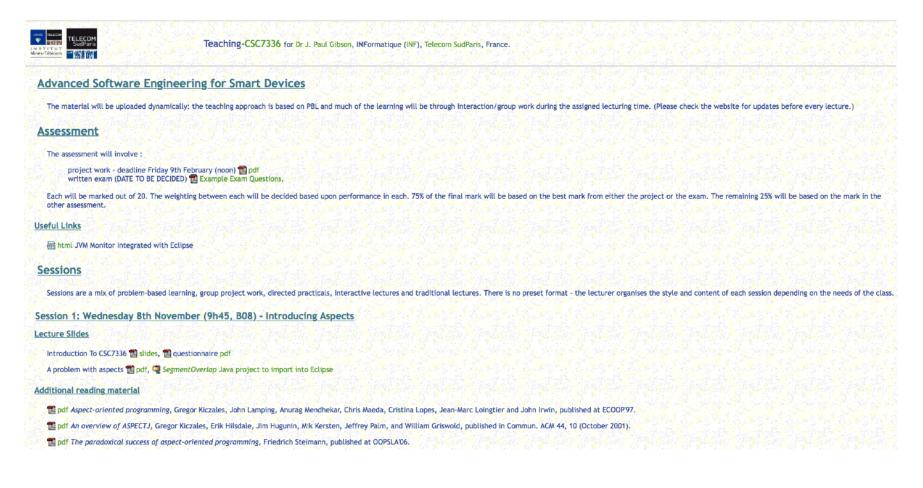
The teaching approach is primarily PBL.

You will be given a project that asks you to demonstrate understanding of the advanced concepts, and ability to use them in solving a real-world problem.

You will have an exam that asks you to demonstrate a critical analysis of the interaction between these concepts.

CSC7336: Overview

http://www-public.int-evry.fr/~gibson/Teaching/CSC7336/



Your Learning Objectives?



You have to meet my learning objectives

But I can also match these to your learning objectives

However, we do need to assess what you have learned

Nov 2017 - Jan 2018 CSC7336: Advanced Soft Engineering For Smart Devices (J P Gibson)

Prerequisites:

- Foundations of software engineering,
- Foundational mathematics,
- Object oriented Programming

Things We Will/May

Aspects - AOP and AOD - how do we distribute development increments?

Reflection - how do we do self-aware?

Foundations to AI - how do we do smart?

<u>Distributed Algorithms</u> - how to cope with the major challenges?

Big Data - Analysis techniques and Training Expert Systems

Parallel (multi-threaded) Programming -

Cloud Services - Google, Amazon, IBM

App/Game Design - rapid prototyping

Simulation modelling

Developing for Android / Developing for iOS

Different programming languages (like Wyvern, Prolog, Clojure, Ruby, ...)

.... Do you have any ideas/requests???

Please complete the questionnaire

