LOYOLA UNIVERSITY CHICAGO

Computer Science

PSP Overview

Personal Software Process

Professor Honig

PSP Short Course
Computer Science

What is it?

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Personal Software Process (PSP)

PSP

- **Purpose: Help software engineers do good work.**
- **Apply advanced engineering methods**
- **Detailed estimating and planning methods**
- **How to track performance against plans**
- **How to analyze and use defect data**

Learning (any) Process

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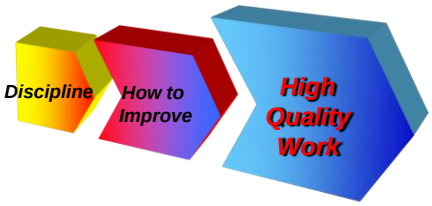
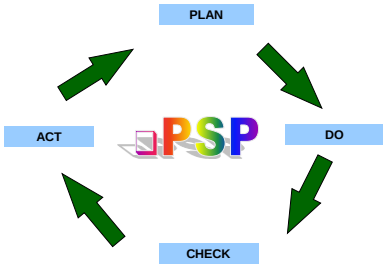
today → tomorrow



The Improvement Process (PDCA)



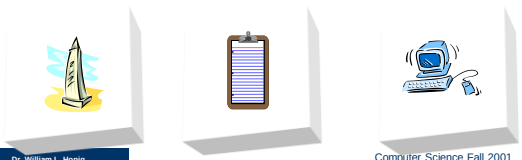
The Key Parts of PSP

PSP Process Script

Project Plan Summary

Time Recording Log

Defect Recording Log



Process Control

Entry Criteria

Exit Criteria

How do you know you are ready to start?
- Right information
- Right tools
- Right preparation

How do you know you are finished?
- Tasks completed
- Data generated
- Outputs produced

Previous Students Comments

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- "At the beginning it looks like PSP work is a hindrance to other course work. You go through the course and keep asking yourself "Why am I doing this?", but later you start to see that having an estimate of what it is going to take you to complete a program actually helps".

- What would your recommend to other students who will use the the PSP?
  - "Do it right, don't fudge it. Follow instructions. Try to understand the big picture and understand the concepts. Don't let the paper work get to you. It will pay off."