

Why should I take CS490M Software Testing?

CS 490M 3 Credits  
Fall 2006 MWF 9:30am  
LWSN B134  
Instructor: Aditya Mathur

## Department of Computer Science Purdue University



"This might be the most important course taught in the department."  
**Adam Shapiro**, Program Manager, Innovative QA Engineering, Microsoft.

"Respect is rapidly growing for the art of software testing in technology organizations across the country. Long the neglected stepchild of software engineering, testing as a discipline is seen as more and more important for highly competitive companies, especially companies such as Guidant, where quality is a number one concern. Another point I would like to make is that often the testing department becomes the entry point and training ground for new engineers. They will work in test for a few years to become acculturated in their new company before being transferred to a development or research group. Obviously an new engineer's prospects are enhanced for hire into testing if they have some academic background in it. As these programs become more common at universities, recruiters more and more expect to see some interest in that area from their prospective hires." **Marc Loos**, Principal Engineer Guidant Corporation.

"It's all about quality. A course in software testing will teach a CS major how to both identify defects in software and design high quality software. The mastery and successful application of these two skills will enable one to have a very successful career in software development and engineering in general. Companies and research institutions that provide software products and services rely on testing and design to maintain and increase the quality of their software." **Chris Benes**, Shure Inc.

You will learn foundations of software testing. This knowledge will remain with you forever. You will likely be one of the few employees in a company who knows the basics and advanced techniques of testing.

You will learn that software testing is as deep and interesting a subject as any other in CS.

You will work in small teams on industry sponsored projects. Microsoft, Shure, Guidant, and TCS have agreed to sponsor a project each. There is a lot of variety in the projects.

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Great career awaits you. Consider CS 490M SERIOUSLY!

<http://www.cs.purdue.edu/homes/apm/courses/CS490M-fall06/>

