Connor Becker

Dr. Tanik

CS360

16 December 2011

## SWEBOK KA-5: Software Maintenance

Although a group of engineers delivers a product that meets its specifications and testing requirements and importantly, its deadline, that may not be the end of the story. An organization that orders a product built has a set of needs that need met today but those needs may change in the future. Thus, software maintenance. The SWEBOK guide talks about the subareas of fundamentals, key issues, process, and techniques.

The MyIPFWAdvisor project is one that will require ongoing maintenance throughout its life span (can't say cycle, since

maintenance is part Software Maintenance of the cycle). Although when Software Key Issues in Maintenance Techniques for Maintenance Software Maintenance Process Fundamentals Maintenance complete it will Definitions and Technical contain tools to ➤ Maintenance Processes → Program Comprehension Terminology Issues → Re-engineering ➤ Maintenance Activities Nature of Management facilitate the Maintenance Issues ➤ Reverse Engineering Maintenance Cost Need for Maintenance updating of the Estimation Majority of Software Maintenance system's content, Maintenance Costs Measurement Evolution of Soffware delivery and Categories of database

Figure 1 Breakdown of topics for the Software Maintenance KA

interaction mechanisms will have to change along with the school's other systems in order to remain relevant.