

99-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	軟體工程進階研究	Serial No. / ID	1355 / IGR6108
Dept.	資訊管理學系碩士班	School System / Class	研究所碩士班1年1班
Lecturer	張清為	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(二)234 / J117	Language	Chinese

Introduction
<p>To meet the Information Management Program Objectives.</p> <p>To understand principles, concepts, methods, and techniques of the software engineering approach to producing quality software (particularly for large, complex systems).</p> <p>To organize and manage a medium-sized software development project, including project plans and documentation, schedule and cost estimates, and quality assurance activities.</p> <p>To make effective technical oral and written presentations.</p> <p>To function effectively as a member of a team engaged in technical work.</p> <p>To think critically about ethical and social issues in software engineering.</p>

Outline
<p>This course will study a collection of methods which embody an "engineering" approach to the development of computer software. We will discuss the nature of software and software projects, software development models, software process maturity, project planning, management, and communication. We will study methods for analysis, design, testing, and implementation of large, complex software systems. We will inquire into the various perspectives on software quality - - what it means, how to measure it, how to improve it. The major work of the course is a group project. Theory and methodology of programming complex computer software. Analysis, design, and implementation of programs. Team projects required.</p>

Prerequisite
<p>Introduction to Computer Science computer program</p>