

CSE4401 Software Engineering Process

COURSE INFORMATION

Prerequisites	Academic Year & Level		Teaching Methods			Credit Hrs.
	Year	Semester	Lecture	Tutorial	Laboratory	
CSE2001	3	6	2	2	0	3

COURSE AIM

- Employ key term definitions, including process management and process infrastructure terminology.
- Illustrate through example software life cycles, including software process categories, life cycle models and process adaption.
- Demonstrate the key elements of process assessment models, methods, and improvement techniques.
- Apply software measurement in a real-world project, to include process and product measurement, measurement results interpretation, information models and measurement techniques.
- Apply cutting-edge process tools.

COURSE WEEKLY CONTENTS

- 1 Software Process Management
- 2 Software Process Infrastructure
- 3 Categories of Software Processes
- 4 Software Life Cycle Models
- 5 Software Process Adaptation
- 6 Practical Considerations
- 7 7th Week Exam
- 8 Software Process Assessment Models
- 9 Software Process Assessment Methods
- 10 Software process Improvement Models
- 11 Continuous and Staged Software Process Ratings
- 12 Software Process and Product Measurement Techniques
- 13 Quality Measurement Results
- 14 Software Information Models
- 15 Software Engineering Process Tools

STUDENT GRADING & ASSESSMENT

Weeks	Exams	Assign.	Quizzes	Reports	Present.	Lab.	Total
1 to 7	←		30	MARKS		→	30
8 to 12	←		20	MARKS		→	20
1 to 15	←		10	MARKS		→	10
16 or 17	40	Final					40

REFERENCES

Textbook Yingxu Wang, Graham King. *Software Engineering Processes: Principles and Applications*. CRC Press. .