

## UCIS2033 Software and Project Management

### Tutorial 2

Reference Text : Kathy Schwalbe

No	Chapter	QFD	Description
1.	Chap 4	Q5	Discuss the importance of following a well-integrated change control process on information technology projects.
2.	Chap 4	*Q3	<p>Perform a financial analysis for a project using the format provided below. Assume the projected costs and benefits for this project are spread over four years as follows:</p> <ul style="list-style-type: none"><li>• Estimated costs are \$100,000 in year 1 and \$25,000 each year in years 2, 3, and 4.</li><li>• Estimated benefits are \$0 in year 1 and \$80,000 each year in years 2, 3, and 4.</li><li>• Use an 8 percent discount rate. Round the discount factor to two decimal places.</li><li>• Create a spreadsheet (or use the business case financials template provided on the companion Web site) to calculate and clearly display the NPV, ROI, and year in which payback occurs.</li><li>• In addition, write a paragraph explaining whether you would recommend investing in this project, based on your financial analysis.</li></ul>
3.	Chap 4	*Q4	<p>Create a weighted scoring model to determine grades for a course.</p> <ul style="list-style-type: none"><li>• Final grades are based on three exams worth 15%, 20%, and 25%, respectively;</li><li>• Homework is worth 20%; and a group project is worth 20%.</li><li>• Enter scores for three students.</li><li>• Assume Student 1 earns 100% (or 100) on every item.</li><li>• Assume Student 2 earns 80% on each of the exams, 90% on the homework, and 95% on the group project.</li><li>• Assume Student 3 earns 90% on Exam 1, 75% on Exam 2, 80% on Exam 3, 90% on the homework, and 70% on the group project.</li><li>• You can use the weighted scoring model template, create your own spreadsheet, or make the matrix by hand.</li></ul>
4.	Chap 4		<p>Perform a financial analysis for a project ABC. Assume the projected costs and benefits for this project are spread over four years as follows:</p> <ul style="list-style-type: none"><li>• Estimated costs are \$1,500,000 in year 1 and \$300,000 each year in years 2, 3, and 4.</li><li>• Estimated benefits are \$0 in year 1 and \$1,000,000 each year in years 2, 3, and 4.</li><li>• Use a 5 percent discount rate. Round the discount factor to two decimal places</li><li>• Create a spreadsheet to calculate and clearly display the NPV, ROI, and year in which payback occurs. In addition, write a paragraph explaining whether you would recommend investing in this project, based on your financial analysis.</li></ul>
5.	Chap 5	Q1	What is involved in project scope management, and why is good project scope management so important on information technology projects?
6.	Chap 5	Q5	Why do you need a good WBS to use project management software? What other types of software can you use to assist in project scope management?

No	Chapter	QFD	Description
7.	Chap 5		<p>Create a WBS for one of the following projects:</p> <ul style="list-style-type: none"> <li>• Updating fifty laptops from Project 2002 to Project 2003</li> <li>• Creating a new information system for your school or company</li> <li>• PTPTN loan</li> <li>• Planning a Final Year Project</li> <li>• Planning for a wedding</li> </ul> <p>Break down the work to at least the third level for one of the items on the WBS.</p>

QFD – Question for Discussion

\* Exercises