管院學士班課程大綱
BA/BBA Program Syllabus

2020.12.16 修訂

系所 Department	**會計與資訊科技學系 Accounting & Information Technology**	**必選修 compulsory/elective**	**必修 Compulsory**
課程名稱 Course title	系統分析與設計 Systems Analysis and Design	學分數 Credit(s)	3
學年/學期 academic year/Semester	109-2 學期 Spring semester 2020	上課地點 Classroom	管院創新大樓 R261
講授教師 Instructor	張麗敏 Li-Min Chang	上課時間 Time	Monday 1:10pm~16:00pm
教師辦公室&諮詢時間 Instructor office number & office hour	Room 368 College of Management II Office Hours: 10:00-12:00 or 16:00-18:00 (Monday)	教師聯絡資訊 Instructor Contact	Phone: 05-2720411 ext. 34513 Email: changclm@gmail.com
助教 Teaching assistant	劉奕昇	助教 聯絡資訊 TA contact	Email: wlo233605265@gmail.com
先修課程 Pre-requisite courses	Before we begin, we assume you've completed an introductory course in computer-based information systems. Many of you have also completed one or more programming courses (using technologies such as Access, Java, C/C++, or Visual Basic). That will prove helpful since **Systems Analysis and Design (SA&D)** precedes and/or integrates with those activities. But don't worry – we'll review all the necessary principles on which **Systems Analysis and Design (SA&D)** is based.		
課程目標 Course Objective	• A business, rather than a technology, perspective. The role, responsibilities, and mindset of the systems analyst as well as the systems project manager, rather than those of the programmer or business manager. • Balance the coverage of concepts, tools, techniques, and their application. • Provide the most examples of system analysis and design deliverables available. • The methods and principles of systems development, rather than the specific tools or tool-related skills of the field.		

AACSB 學習品質保證學習目標 Assurance of Learning (AOL) Learning goals

***請先選填為主要或次要學習目標(Major or minor learning goal)，再選擇對應之學習目標**

主要學習目標 Major learning goal **目標 3：問題解決能力** **LG3:Problem Solving Skills**	**次要學習目標 Minor learning goal** **目標 2：創新思考** **LG2:Creative Thinking**	**選擇一個項目。** **選擇一個項目。**

<table>
<tr><td>教材
Teaching materials</td><td colspan="4">Joseph S. Valacich and Joey F. George Modern Systems Analysis and Design, Eigh
Edition, 2017, Pearson Education Limited, ISBN-13: 9781292154145。</td></tr>
<tr><td>網址 Course website</td><td colspan="4"></td></tr>
<tr><td>教科書/參考書
Textbooks/Reference</td><td colspan="4">陳鴻基、嚴紀中譯，系統分析與設計，五版，2008，華泰文化事業股份有限公司
ISBN: 978-957-609-745-4。</td></tr>
<tr><td rowspan="6">評量方式
(百分比)
Assessment</td><td>課堂參與
Participation</td><td>10%</td><td>個案討論 Case study</td><td>%</td></tr>
<tr><td>作業 Homework</td><td>10%</td><td>專題 Project+期末報告</td><td>20%</td></tr>
<tr><td>小考 Quiz</td><td>10%</td><td>其他 1 other (　　)</td><td>%</td></tr>
<tr><td>期中考 Midterm</td><td>20%</td><td>其他 2 other (　　)</td><td>%</td></tr>
<tr><td>期末考 Final</td><td>20%</td><td>其他 3 other (　　)</td><td>%</td></tr>
<tr><td>學習報告
Presentation</td><td>10%</td><td>其他 4 other (　　)</td><td>%</td></tr>
<tr><td>其他說明
Other description</td><td colspan="4"><u>Assessment 1: Chapter Review & Presentation</u>
This assignment provides you with the opportunity to become thoroughly familiar with the book to the field of SA&D. During the semester week, each group will do the presentation of their selected/assigned chapters.

<u>Assessment 2: Class Participation and Tutorial</u>
The Management Division of CCU requires regular attendance by students in each unit. Class attendance is useful to the student as a means of acquiring knowledge and clarification, and is a prerequisite for class participation. Class Participation and Tutorials are the active engagement in questions and answers, taking part in analyses of business situations, and contributing comments in class sessions. The Class Participation and Tutorials grade will be evaluated and based on the quality of comments made during the tutorial sessions and the answers of “True/False Questions”, “Multiple Choice Questions” and “Short Answer Questions”, but not the quantity of comments. This assessment will be completely conducted at the class during the semester. This will provide you with a detailed understanding of the nature of the Systems Analysis and Design related issues and continuous feedback.

<u>Assessment 3: Microsoft Project Exercise and Microsoft Visio Exercise</u>
To be further advised

<u>Assessment 4: Mid-Term Exam</u>
This Mid-Term examination addresses your general understanding of systems analysis and design and its related applications. It will include true/false, multiple-choice, and short answer questions addressing the appropriate unit chapters.</td></tr>
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Assessment 6: Final Exam

This final examination addresses your general understanding of systems analysis and design and its related applications. It will include true/false, multiple-choice, and short answer questions addressing the appropriate unit chapters.

Assessment 7: Systems Analysis and Design Report

The System Analyst must prepare many reports during the System Development Life Cycle (SDLC), including the preliminary investigation report, the system requirements documents at the end of the systems analysis phase, the system design specification at the end of the system design phase, and the final report to management when the system goes into operation. The analyst also might submit other reports such as status reports, activity reports, proposals, and departmental business plans. In some cases, the analyst must also present reports more formally. In this team project, you need to choose a company, preferably with in excess of 50 employees in Taiwan and prepare a System Requirements Document, which includes an Executive Summary, Introduction, System Analysis and Design, Implementation Strategy and Method (i.e. Time and Cost Estimates, Expected Benefits), and an Appendix to report your investigation on the organization's applications and requirements of Information Systems (IS) or Information Technology (IT) in relation to their day-to-day business.

Requirements

This is a team assignment where you may work in groups of 3~ 4. All members of the team will receive the same mark.

(1) Prepare a **10-minute final presentation** to be presented in **Week 18**. The presentations will be accompanied by a summary of the main points raised in the System Requirements Document Report and recommendations to the entire class. The presentation handout will be distributed to other class members. When preparing an oral presentation, keep in mind the following suggestions: define the audience, define the objectives for your presentation, organize the presentation, define any technical terms you will use, prepare your presentation aids, and practice your material.

(2) The System Requirements Document Report will be required in between **20 – 30 pages** in length (including all appendices and references) and submitted in soft and hardcopy by the due date to the lecturer.

課程規劃表 Course Schedule

週次 week	日期 Date	內容 Description	教材章節 Textbook	其他說明 Remark
1.	2/22	System Analysis and Design - An Introduction		
2.	3/1	和平紀念日調整放假		
3.	3/8	The Systems Development Environment & The Origins of Software	Chapter 1 & 2	
4.	3/15	Managing the Information Systems Project & Identifying and Selecting Systems Development Projects	Chapter 3 & 4	
5.	3/22	**Microsoft Project Exercise**		TA
6.	3/29	Initiating and Planning Systems Development Projects & Determining System Requirements	Chapter 5 & 6	
7.	4/5	民族掃墓節放假		
8.	4/12	Structuring System Process Requirements	Chapter 7	
9.	4/19	Object-Oriented Analysis and Design	Appendix 7A, 7B, 7C, &7D	
10.	4/26	**Mid-Term Exam**		TA
11.	5/3	Structuring System Data Requirements	Chapter 8	
12.	5/10	**Learning of the Project Report & Microsoft Visio Exercise**		TA
13.	5/17	Designing Databases & Designing Forms and Reports	Chapter 9 & 10	
14.	5/24	Designing Interfaces and Dialogues & Designing Distributed and Internet Systems	Chapter 11 & 12	
15.	5/31	System Implementation & Maintaining Information Systems	Chapter 13 & 14	
16.	6/7	**Final Exam**		TA
17.	6/14	SA&D Project discussions and reports (1)	1-6 組期末專題報告	
18.	6/21	SA&D Project discussions and reports (2)	7-12 組期末專題報告	