

[回上一頁](#) [列印](#)

**國立高雄科技大學**  
**NATIONAL KAOHSIUNG**  
**UNIVERSITY OF SCIENCE**  
**AND TECHNOLOGY**  
**授課大綱 Syllabus**

部別：日間部碩士

112學年度第2學期

列印日期：2024/03/04

中文課程名稱：系統分析與設計	英文課程名稱：System Analysis and Design	授課教師：徐賢斌
開課班級：供應所一甲	學分：2.0	授課時數：2.0
合班班級：		實習時數：0.0

<b>1. 中文教學目標(Chinese Teaching objectives)</b>
1. 提升學生英文能力。 2. 使同學了解系統分析與設計的基本概念。 3. 瞭解組織架構，及企業作業程序。 4. 了解資訊系統塑模及資料流程資料流程。 5. 了解資訊系統發展及專案管理。

<b>2. 英文教學目標(English Teaching objectives)</b>
1.Improving students' English capability in many aspects. 2.Understanding the basic concept of System Analysis and Design 3.Understanding the organizational structure and the business processes in an enterprise. 4.Understanding how to model an information system by using formal tools, such as data flow diagrams (DFD) and object-oriented models. 5.Understanding how to manage a project of information system development.

<b>3. 中文教學綱要(Chinese CourseDescription)</b>
1. 同學能了解一班系統分析的步驟, 方法與工具 2. 學習成績60分(含)以上

<b>4. 英文教學綱要(English CourseDescription)</b>
1. To make student understand the steps of system analysis, tools for system analysis

<b>5. 中文核心能力</b>		
	核心能力名稱	核心能力百分比
1	管理與邏輯	30%
2	物流知能	20%
3	流通知能	20%
4	創新與問題解決	20%
5	團隊溝通合作	10%

<b>6. 英文核心能力</b>		
	核心能力名稱	核心能力百分比
1	Management and logic	30%
2	Logistics knowledge and skills	20%
3	Distribution knowledge and skills	20%
4	Innovation and problem solving	20%
5	Team communication and teamwork	10%

**7. 教科書**

中文書名：System Analysis and Design 英文書名：系統分析與設計

中文作者：Scott Tilley, Harry J. Rosenblatt 英文作者：Scott Tilley, Harry J. Rosenblatt

1 中文出版社：歐亞書局（第11版） eleventh edition 英文出版社：歐亞書局（第11版） eleventh edition

出版日期：年 月 備註：

無參考書資料。

**9. 教學進度表**

週次或項目 Week or Items	中文授課內容 Chinese Course Content	英文授課內容 English Course Content	分配節次 Assigned Classes	備註 Note
系統分析與設計課程簡介	系統分析與設計課程簡介	This session gives a short introduction to this course. These include the introduction of basic concepts of system analysis (SA). The definition of SA. The evolution of SA approaches. The objectives of this course. The scope of this course and the rating of student achievement.	3	
系統規劃	系統分析與設計簡介	This session introduces the basic concepts of system analysis (SA). A basic review of the development of SA and various approaches that have been proposed in past times. The comparison of these approaches.	3	
系統規劃	企業個案分析	This session gives a concept of the business case. The objective of a business case and how to define the scope of a business. The importance of a business case is also included.	3	
系統規劃	系統專案管理	This session introduces the basic method for project management for a business case. The PERT and CPM approaches will be introduced in this session. They are two important tools for project management. The critical path will be identified for project management.	3	

系統分析	需求塑模	This session introduces the basic modeling technique for user requirements. Use case diagram of Unified Modeling Language (UML) will be introduced in this session. How to prepare an interview with users and the interview technique will be discussed.	3	
系統分析	需求塑模	This session continues the last topic as more time is required to complete this topic. This session introduces the basic modeling technique for user requirements. Use case diagram of Unified Modeling Language (UML) will be introduced in this session. How to prepare an interview with users and the in	3	
系統分析	資料與流程塑模	This session introduces the modeling technique for the business process. The data flow diagram (DFD), a kind of modeling tool, will be introduced in this session.	3	觀摩週 (Open day)
系統分析	資料與流程塑模	This session continues the last topic discussed last week. The DFD modeling approach will be introduced continuously. And, more cases will be illustrated in this session to teach the students better.	3	
期中考	期中考	Mid-term exam.	3	
系統分析	物件塑模	This session introduces an object model that represents the relationships among objects. The object model is the concept of object-oriented programming (OOP) which is the mainstream approach used today in developing information systems. The object model is the main	3	

		result of the object-oriented anal	
系統分析	開發策略	This session introduces the approaches to system implementation after the process of SA. In-house development and outsourcing can be alternative approaches for the implementation of an information system.	3
系統設計	輸出與使用者介面	This session investigates how to use stock policies to protect against the uncertainties appearing in MEDS. A simulation approach is employed to investigate various policies.	3
系統設計	資料設計	This session specifies the relationships between Information technology and Supply chain management.	3
系統設計	架構設計	This session details the system architecture that serves as the foundation of an information system. Two-tier or multiple-tier system architecture will be discussed in this session. The main system architecture of the web-based currently used system will be presented in this session.	3
系統實作	系統建置管理	This session talks about the management of information after its implementation. The security of the system. The management of users and security of this system is detailed. The backup of the system.	3
實作與維護	維護資訊系統	This session details the maintenance of an information system. The backup and recovery procedures that are required for the system. The system request for maintenance is specified.	3

案例研討	案例研討	This session introduces some cases of information.	3
期末考	期末考	Final exam.	3

#### 10. 中文成績評定(Chinese Evaluation method)

1. 平時成績30% 2. 期中成績30% 3. 期末成績40%

#### 11. 英文成績評定(English Evaluation method)

1. Class attending (30%) 2. Mid-Term exam. (30%) 3. Final Exam/report. (40%)

#### 12. 中文課堂要求(Chinese Classroom requirements)

1. 準時上課 2. 上課中勿飲食 3. 上課中勿使用手機

#### 13. 英文課堂要求(English Classroom requirements)

1. Attend the class on time. 2. No beverage and food in the class. 3. No cell phone use in the class.

#### 14. 本課程與SDGs相關項目(This course is relevant to these of SDGs as following)

**「遵守智慧財產權」；「不得非法影印」！**