

# Department of Information Management

## Introduction

### History

Department of Information Management of Yuanpei University was accredited by the Ministry of Education in 2000. After that, a graduate program (Master of Business Administration) was approved in 2011. Currently, the department has nearly 600 students.



The success story of the Department already spans for more than thirteen years. The department provides a strong foundation in the managerial issues related to information technologies. We aim to help students to manage Information Technology successfully.

### Features

#### Curriculum

The curriculum content is multidisciplinary, incorporating studies in areas, such as e-business, web design, healthcare information system, software development, networks and telecommunications, innovation management, and financial IT. In order to comply with practical training protocol, students are required to take part in work experience for one semester. For the master's program, the department aims to equip students with the skills required for tomorrow's digital life. We cultivate

graduates to ensure they are at the forefront of emerging “digital” technologies and championing potential opportunities and strategies across the business.

## Faculty

The faculty and staff in the department maintain diverse information technologies and administration interests, and they are also good at their practical skill sets with these technologies. The number of full-time teachers at the department is 14, containing 2 professors, 1 associate professor, 9 assistant professors, and 2 lecturers.

## Facilities

The main facilities include 8 professional laboratories (organization information system lab, applied information technology and innovation lab, data mining lab, network research lab, certification room, digital application lab, health care information lab, information security lab, and e-learning lab), 205 personal computers, 8 laser printers, 1 3D printer, 1 ERP system, 5 computerized classrooms, and 1 self-study center.

## Career Development

1. Students can pursue a higher degree at home or abroad in related fields, such as information management, information science, information engineering, management science and business administration.



2. Students can develop a career in the IT or management departments of public and private institutions, software companies or the computer centres of hospitals.

## Degrees Offered

■ Bachelor ■ Master

## ▀ Mission & Objectives

### Educational Objectives

Program	Objectives
<b>Undergraduate</b>	<p>This department has three main objectives for undergraduate, they are:</p> <ol style="list-style-type: none"> <li>1. Managing business information where students learn to develop IT systems for efficient information management.</li> <li>2. Digital innovation and creativity where students are encouraged to create new ideas, methods and systems to solve problems. Further to development of the new ideas students write the patent document for their ideas and products and transfer the technology to industry.</li> <li>3. Creating electronic monitoring systems for the healthcare sector. These electronic systems analyze and relay vital data to healthcare professionals to support diagnosis and treatment of patients.</li> </ol>
<b>Graduate</b>	<p>The Master's degree is designed for students to combine professional IT knowledge with practical experiences in business organizations or to jump-start their career with practical skills in digital innovation.</p>

### Core Competences

Program	Competences
<b>Undergraduate</b>	<ol style="list-style-type: none"> <li>1. Possess the ability of teamwork, analysis, and solving problems.</li> <li>2. Possess the ability of network implementation and management.</li> </ol>

3. Possess the theoretical foundation of information security.
4. Possess the ability to build up database.
5. Grasp the latest development trend of relevant issues of digital content.
6. Possess the ability of information system development.
7. Possess the ability of hardware maintenance.
8. Possess the ability of programming.
9. Possess the practical foundation of multimedia system development.
10. Possess the ability to design web page.
11. Possess the practical foundation of business process reengineering.
12. Possess the ability to operate ERP system.
13. Possess the ability of e-learning.
14. Possess the practical foundation of Customer Relationship Management.

#### Graduate

1. Possess ability to analyze and solve problems.
2. Possess innovating application ability of information management profession.
3. Possess research ability of information management new knowledge.



# Curriculum

4-Year Curriculum of Department of Information Management, Yuanpei University(Academic Year 2014)

year 1

Required	Credits	Elective	Credits
Chinese (1)	3	Multimedia System Design	2
English (1)	2	The Application of office Software Package	2
Introduction to Computer Science	3	Homepage Design and Application	2
Accounting	3	Computer Hardware Maintenance	
Management Mathematics	3		
Management	3		
Chinese (2)	2		
English (2)	3		
Introduction to Computer Science	3		
Programming Language(1)	3		
Principle of Business	3		
Introduction to Healthy Industry			
Economics			

Year2			
Required	Credits	Elective	Credits
General Education	2	Human Resource Management	3
English (3)	2	for Healthcare	3
Introduction to Networks	3	Financial Management	3
Statistics	3	Game Programming Design	3
Programming Language(2)	3	Enterprise Resource Planning	3
Management Information	3	Reality Multimedia	3
System	3	Object Oriented Programming	3
Data Base	2	Data Structure	3
English (4)	3	System and Network	
Information Security	3	Management	
Basic Web Programming			
Design			
year 3			
Required	Credits	Elective	Credits
General Education	2	English (5)	2
Project Management	3	.Net (1)	3
Creativity and Aesthetics	3	App Programming	3
Database information System	3	Operations Management	3
and Application	3	System Management	3
System Analysis and Design	5	Health Information Systems	3
Information Management		Digital Graphic Design	3
Project (1)		e-learning	3
		English (6)	2
		.Net (2)	3
		Oracle Data Base	3
		SQL Server	3
		Marketing Management	3
		R & D Management	3
		Health Industry Information	3
		Security	3
		Patent and Innovation	3
		e-Commerce	3

Digital 3d Graphics

## Year4

Required	Credits	Elective	Credits
Enterprise Internship	2	Mobile Networks	3
Professional Capability Certification	3	Supply Chain Management	3
Information Management Project (2)	5	Health Information Management Cases	3
		Entrepreneurial Management	3
		Data Warehouse and Data Mining	3
		Digital Development Practice	3
		Knowledge Management	3
		Health Knowledge Expert Systems	3
		Innovation and Technology Transfer Practices	3
		Information Ethics and Laws	3
		Management information Systems in Practice	3
		Integrated Marketing Customer Relationship Management	3



## Faculty and Staff

Name	Chih-Hung Tsai
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## Research

Our faculty consists of 14 full-time members. Their research interests and expertise encompass a wide range of subject areas, including information resources management, knowledge management, enterprise resource planning, supply chain management, health (medical) information security management, technological innovation and health security management services, cloud services and security management, data warehouse and data mining, e-Business, digital divide research, IS outsourcing, distributed computing, virtualization, web programming, database programming, neural networks, miscomputing, evolutionary computation, soft computing, fuzzy System, etc. Currently, there are two major research projects in progress, the first is the intelligent medical Interface design based on Android Cloud and evaluation of the production systems and its influence on manufacturing performance. The department has been involved in many national and international competitions in software development and has won several awards and prizes. Students can gain employment within the electronic industry at a nearby science technology park or many other businesses and industries.

