

Payap University
Bachelor of Science (Computer Information Systems)
Faculty of Science
2nd Semester / Academic Year 2009

1 Course ICS101 Introduction to Computer and Information Technology
 3 (2-2-0) credits
 ICS101 Introduction to Computer and Information Technology
 0 (2-2-5) credits
 Prerequisite: *None*

Course Description

Introduces students to the concepts of computer technology and information system for the role of business-information processing system. Discusses social and ethical issues in computing. Knowledge of appropriate application software and tools will be required for course-work, including Word processing, Spreadsheets, Internet tools and Web browser.

2. Instructor's Name

Instructor: Dr. Seung-Hwan Kang (Full Time Instructor)
Email: seung_h@payap.ac.th
Office: PC 314, Graduate School Building
Tel.: (053) 851478-86 Ext. 7221

Lecture Time: Monday 08.00 A.M. - 10.00 A.M., PC 213
 Wednesday 08.00 A.M. - 10.00 A.M., PC 301

3 Course Objectives

On completion of this course the students will be able to:

- Understand basic operations and concepts of computers as they relate to information communication, human beings, and society.
- Analyze the ethical, cultural, and societal issues related to technology.
- Know how a computer system is developed for personal and organizational uses.
- Use computer-technology as a tool in terms of productivity, communications, research, problem solving and decision making.
- Develop positive attitudes toward computer and information technology uses that support lifelong learning, collaboration, personal pursuits, and productivity.

4. Reading Material

4.1 Required textbook(s)

- Williams, B. and Sawyer, S. (2009) *Using Information Technology: A Practical Introduction to Computers and Communications*, 8th ed., McGraw-Hill, New York, NY.

4.2 Supplementary reading materials

- Chris Pollette, (2008) *How the Google-Apple Cloud Computer Will Work*, <http://computer.howstuffworks.com/google-apple-cloud-computer.htm/printable>
Accessed: 5 Sep. 2008.
- Johnson, B. (2008) 'Cloud computing is a trap, warns GNU founder Richard Stallman', *Guardian (Computing)*, 29 September 2008, <http://www.guardian.co.uk/technology/2008/sep/29/cloud.computing.richard.stallman>
Accessed: 2 January 2009.
- Labovitz, C.(2008) *2008 Worldwide Infrastructure Security Report*, Arbor Networks, <http://asert.arbornetworks.com/2008/11/2008-worldwide-infrastructure-security-report/>
Accessed: 15 January 2009.
- Net Applications (2008) *Operating System Market Share*, <http://marketshare.hitslink.com/report.aspx?qprid=10> Accessed: 24 November 2008.
- Net Applications (2009) *Operating System Market Share*, <http://marketshare.hitslink.com/report.aspx?qprid=10> Accessed: 17 June 2009.
- Mills, E. (2009) *Twitter, Facebook attack targeted one user*, http://news.cnet.com/8301-27080_3-10305200-245.html?tag=mncol;txt Accessed: 09 Aug. 2009

- Prince, B. (2009) 'Millions Hit with Windows Worm as Infection Spreads', *eWeek (Security)*, 16 January 2009, <http://www.eweek.com/c/a/Security/Millions-Hit-With-Windows-Worm-as-Infection-Spreads/> Accessed: 16 January 2009.
- *Monthly Unlimited hi-speed Internet* (2009), True, http://www.truecorp.co.th/eng/products/online_monthly_hi_speed.jsp Accessed: 17 July 2009.
- *SC Magazine*, <http://www.scmagazineus.com> Accessed: 30 July 2009.
- Shaffer, A., Carey, P., Finnegan, K., Adamski, J., Ageloff, R., Zimmerman, S. and Zimmeman, B. (2008) *New Perspectives on Microsoft Office 2007, First Course, Windows Vista Edition*, 1st edn, Thomson & Course Technology. (recommended)
- Shelly, G., Cashman, T. and Vermaat, M. (2007) *Discovering Computers 2008: Complete*, Course Technology¹
- Skillings, J. (2008) *Google-focused satellite enters orbit*, cnet (Digital Media) http://news.cnet.com/8301-1023_3-10034476-93.html?tag=newsEditorsPicksArea.0 Accessed: 5 Sep. 2008.

Any readings and references are recommended only and are not intended to be an exhaustive list. Students are encouraged to use the library catalogue and databases to locate additional readings.

5 Course Syllabus

A proposed lecture schedule for the subject is as follows:

Week	Unit/Chapter	Content	Number of hours (No. of lecture hours /Lab)	Teaching and learning activity
1	1	Introduction to Information Technology	2/2	
2	2	The Internet & The World Wide Web	2/2	
3	3	Software - System Software	2/2	
4	3	Software - Application Software	2/2	
5	4	Hardware: The CPU & Storage	2/2	Internet Test (5 %)
6	5	Hardware: Input	2/2	Assignment #1 Due (5 %)
7	5	Hardware: Output	2/2	
Midterm Exam				
8	6	Communications, Network, & Safeguards	2/2	
9	6	Communications, Network, & Safeguards (cont'd)	2/2	Spreadsheet Test (10 %)
10	7	Personal Technology	2/2	
11	8	Databases & Information Systems	2/2	
12	8	Databases & IS (cont'd)	2/2	
13	9	The Challenges of the Digital Age	2/2	
14	10	System Analysis & Programming	2/2	Database Test (10 %)
15	-	Course Review	2/2	
Final Exam				

- Changes to the above schedule will be posted via e-Learning space <http://elearning.payap.ac.th/>.
- Any information posted to the web site is deemed to have been notified to all students.
- Lecture slides are provided as PowerPoint presentations via eLearning space.
- All other relevant materials are available on the e-Learning website.

6. Evaluation

6.1. Assignment #1	5 %
6.2. Lab Tests (Internet Test: 5 %, Spreadsheet Test: 10 %, Database Test: 10 %)	25 %
6.3. Mid-term Examination	30 %
6.4. Final Examination	40 %
6.5. Total	100 %

7. Evaluation Criteria

7.1. Plagiarism is NOT tolerated in this course. Any students found plagiarizing will receive 0.

7.2. Students who have less than 80% attendance CANNOT take the final exam.

7.3. The evaluation is based on the *Payap University Grading Scale* shown as follow:

Range	Letter Grade	Score (4 point scale)
100-80	A	4
79-75	B+	3.5
74-70	B	3
69-65	C+	2.5
64-60	C	2
59-55	D+	1.5
54-50	D	1
49-0	F	0

7.4. The following “letter grades” may also be given:

- “I” Incomplete
- “W” Withdraw
- “IP” Course work in progress
- “U” Audit
- “P” Pass
- “NP” Not Pass
- “IP” Course work in progress