

FIT3104
Chinese language information technology

Unit Guide

Summer semester, 2012

The information contained in this unit guide is correct at time of publication. The University has the right to change any of the elements contained in this document at any time.

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FIT3104 Chinese language information technology - Summer semester, 2012

This unit will cover a wide variety of techniques and computing systems developed for supporting business applications software systems in Chinese language. Specific topics include Chinese-enabling systems, Chinese character sets and encoding methods, Chinese character input methods, Chinese character output, and Chinese computing on the Internet. To enable students to understand the development of global software for all languages including Chinese, the principles and techniques for multilingual information processing, including universal character encoding methods will be discussed. The unit will be taught in English, but students need to have a good knowledge of written Chinese.

Contact Hours

2 hrs lectures/wk, 1 hr laboratory/wk

Workload

For on-campus students, workload commitments are:

- two-and-half-hour lecture per day and
- one-hour tutorial (or laboratory) per day
- a minimum of 2-3 hours of personal study per one hour of contact time in order to satisfy the reading and assignment expectations.

Unit Relationships

Prohibitions

BUS3200

Prerequisites

Familiarity with written Chinese

Chief Examiner

Associate Professor Chung-Hsing Yeh

Campus Lecturer

Clayton

Chung-Hsing Yeh

Tutors

Clayton

Mr Peter Huynh

Ms Sophia Duan

Academic Overview

Outcomes

At the completion of this unit students will have -

- a sound basis for Chinese computing in the business environment;
- the ability to use popular Chinese computing software and application packages and extend their capabilities to other non-Roman languages;
- an understanding of the techniques used to develop Chinese computing software;
- familiarity with Chinese language and multilingual computing environments;
- knowledge of the principles and skills of Chinese business computing through the practical use of Chinese software systems;
- skills that can easily be translated into using software in non-Roman languages;
- an understanding of Chinese and universal character encoding methods for multilingual information processing;
- the ability to understand the techniques used to develop Chinese and global software for business applications.

Graduate Attributes

Monash prepares its graduates to be:

1. responsible and effective global citizens who:

- a. engage in an internationalised world
- b. exhibit cross-cultural competence
- c. demonstrate ethical values

critical and creative scholars who:

- a. produce innovative solutions to problems
- b. apply research skills to a range of challenges
- c. communicate perceptively and effectively

Assessment Summary

Examination (2 hours): 70%; In-semester assessment: 30%

Assessment Task	Value	Due Date
Assignment I - Chinese Information Presentation	15%	7 January 2013
Assignment II - Multilingual Web Authoring	15%	7 January 2013
Examination 1	70%	To be advised

Teaching Approach

Lecture and tutorials or problem classes

This teaching and learning approach helps students to initially encounter information at lectures, discuss and explore the information during tutorials, and practice in a hands-on lab environment.

Feedback

Our feedback to You

Types of feedback you can expect to receive in this unit are:

- Informal feedback on progress in labs/tutes
- Graded assignments with comments
- Solutions to tutes, labs and assignments

Your feedback to Us

Monash is committed to excellence in education and regularly seeks feedback from students, employers and staff. One of the key formal ways students have to provide feedback is through SETU, Student Evaluation of Teacher and Unit. The University's student evaluation policy requires that every unit is evaluated each year. Students are strongly encouraged to complete the surveys. The feedback is anonymous and provides the Faculty with evidence of aspects that students are satisfied and areas for improvement.

For more information on Monash's educational strategy, and on student evaluations, see:

<http://www.monash.edu.au/about/monash-directions/directions.html>

<http://www.policy.monash.edu/policy-bank/academic/education/quality/student-evaluation-policy.html>

Previous Student Evaluations of this unit

In the last offering (2011 Summer), this unit has achieved a student evaluation score of 4.79 (out of 5) for the quality of the unit. Student feedback has shown that this unit is well structured and no changes are required for this summer semester.

If you wish to view how previous students rated this unit, please go to

<https://emuapps.monash.edu.au/unitevaluations/index.jsp>

Unit Schedule

Week	Activities	Assessment
0	Register for tutorials and check the unit Moodle site for lecture and tutorial information	No formal assessment or activities are undertaken in week 0
1	Unit Outline and Assignments; Introduction to Chinese Computing (I)	
2	Introduction to Chinese Computing (II); Chinese Computing Systems; Chinese-Enabling Systems	
3	Qing Song Input Method; NJStar Chinese Input Method Editor	
4	Cang Jie Input Method (I)	
5	Cang Jie Input Method (II)	
6	Chinese Character Input; Chinese Character Output	
7	Chinese Character Sets and Encoding Methods (I): Part 1	
8	Chinese Character Sets and Encoding Methods (II): Part 1	Assignment topic approval is required; Assignment 1: Chinese Information Presentation - due 7 January 2013; Assignment 2 - Multilingual Web Authoring - due 7 January 2013;
9	Chinese Character Sets and Encoding Methods (III): Part 2	
10	Chinese Character Sets and Encoding Methods (IV): Part 2; Multi-Width Encoding Methods	
11	Multilingual Character Sets and Encoding Methods; The Unicode Character Encoding Standard (I)	
12	The Unicode Character Encoding Standard (II); Unit Review; Exam Preparation	
	SWOT VAC	No formal assessment is undertaken SWOT VAC
	Examination period	LINK to Assessment Policy: http://policy.monash.edu.au/policy-bank/academic/education/assessment/assessment-in-coursework-policy.html

*Unit Schedule details will be maintained and communicated to you via your learning system.

Assessment Requirements

Assessment Policy

Faculty Policy - Unit Assessment Hurdles

([http://www.infotech.monash.edu.au/resources/staff/edgov/policies/assessment-examinations/unit-assessment-hu](http://www.infotech.monash.edu.au/resources/staff/edgov/policies/assessment-examinations/unit-assessment-hurdles)

Academic Integrity - Please see the Demystifying Citing and Referencing tutorial at

<http://lib.monash.edu/tutorials/citing/>

Assessment Tasks

Participation

• Assessment task 1

Title:

Assignment I - Chinese Information Presentation

Description:

Create a presentation file using PowerPoint or write a program using any programming language, which can display Chinese characters on the screen for a topic of your own choice (subject to your tutor's approval).

Weighting:

15%

Criteria for assessment:

The assessment will be based on both contents and presentation. You must get permission from your tutor for the topic you choose to do. It is advised that you follow your tutor's instructions to do this assignment. The marking criteria and specific tasks to be carried out will be made available during tutorials.

Due date:

7 January 2013

Remarks:

This assignment is to be submitted online using Moodle.

• Assessment task 2

Title:

Assignment II - Multilingual Web Authoring

Description:

Design a multilingual (Chinese and English) personal Web page.

Weighting:

15%

Criteria for assessment:

The assessment will be based on how you demonstrate your understanding of multilingual Web authoring with an appropriate choice of Web page design approach and proper applications of tools and techniques.

Your multilingual web page should demonstrate

- (a) proper use of character images for presenting multilingual information and
- (b) well-formatted and consistent page layout.

The marking criteria will be made available during tutorials.

Due date:

7 January 2013

Remarks:

This assignment is to be submitted online using Moodle.

Examinations

• Examination 1

Weighting:

70%

Length:

2 hours

Type (open/closed book):

Closed book

Electronic devices allowed in the exam:

None

Assignment submission

It is a University requirement

(<http://www.policy.monash.edu/policy-bank/academic/education/conduct/plagiarism-procedures.html>) for students to submit an assignment coversheet for each assessment item. Faculty Assignment coversheets can be found at <http://www.infotech.monash.edu.au/resources/student/forms/>. Please check with your Lecturer on the submission method for your assignment coversheet (e.g. attach a file to the online assignment submission, hand-in a hard copy, or use an online quiz).

Online submission

If Electronic Submission has been approved for your unit, please submit your work via the learning system for this unit, which you can access via links in the my.monash portal.

Extensions and penalties

Submission must be made by the due date otherwise penalties will be enforced.

You must negotiate any extensions formally with your campus unit leader via the in-semester special consideration process:

<http://www.infotech.monash.edu.au/resources/student/equity/special-consideration.html>.

Returning assignments

Students can expect assignments to be returned within two weeks of the submission date or after receipt, whichever is later.

Other Information

Policies

Monash has educational policies, procedures and guidelines, which are designed to ensure that staff and students are aware of the University's academic standards, and to provide advice on how they might uphold them. You can find Monash's Education Policies at:

<http://policy.monash.edu.au/policy-bank/academic/education/index.html>

Key educational policies include:

- Plagiarism
(<http://www.policy.monash.edu/policy-bank/academic/education/conduct/plagiarism-policy.html>)
- Assessment
(<http://www.policy.monash.edu/policy-bank/academic/education/assessment/assessment-in-coursework-policy.html>)
- Special Consideration
(<http://www.policy.monash.edu/policy-bank/academic/education/assessment/special-consideration-policy.html>)
- Grading Scale
(<http://www.policy.monash.edu/policy-bank/academic/education/assessment/grading-scale-policy.html>)
- Discipline: Student Policy
(<http://www.policy.monash.edu/policy-bank/academic/education/conduct/student-discipline-policy.html>)
- Academic Calendar and Semesters (<http://www.monash.edu.au/students/key-dates/>);
- Orientation and Transition (<http://www.infotech.monash.edu.au/resources/student/orientation/>);
and
- Academic and Administrative Complaints and Grievances Policy
(<http://www.policy.monash.edu/policy-bank/academic/education/management/complaints-grievance-policy.html>)
- Codes of Practice for Teaching and Learning
(<http://www.policy.monash.edu.au/policy-bank/academic/education/conduct/suppdocs/code-of-practice-teaching-and-learning.html>)

Student services

The University provides many different kinds of support services for you. Contact your tutor if you need advice and see the range of services available at www.monash.edu.au/students. For Sunway see <http://www.monash.edu.my/Student-services>, and for South Africa see <http://www.monash.ac.za/current/>

The Monash University Library provides a range of services and resources that enable you to save time and be more effective in your learning and research. Go to <http://www.lib.monash.edu.au> or the library tab in my.monash portal for more information. At Sunway, visit the Library and Learning Commons at <http://www.lib.monash.edu.my/>. At South Africa visit <http://www.lib.monash.ac.za/>.

Academic support services may be available for students who have a disability or medical condition. Registration with the Disability Liaison Unit is required. Further information is available as follows:

- Website: <http://monash.edu/equity-diversity/disability/index.html>;
- Email: dlu@monash.edu
- Drop In: Equity and Diversity Centre, Level 1 Gallery Building (Building 55), Monash University, Clayton Campus, or Student Community Services Department, Level 2, Building 2, Monash University, Sunway Campus
- Telephone: 03 9905 5704, or contact the Student Advisor, Student Community Services at 03 55146018 at Sunway