FIT3104
Chinese language information technology

Unit Guide

Summer semester, 2014

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.

Last updated: 06 Nov 2014

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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.

Mode of Delivery

Clayton Summer semester A (Day)

Workload Requirements

Minimum total expected workload equals 12 hours per week comprising:

(a.) Contact hours for on-campus students:

- Two hours of lectures
- One 1-hour laboratory

(b.) Additional requirements (all students):

- A minimum of 9 hours independent study per week for completing lab and project work, private study and revision.

Unit Relationships

Prohibitions

BUS3200

Prerequisites

Familiarity with written Chinese

Chief Examiner

Associate Professor Chung-Hsing Yeh

Campus Lecturer

Clayton

Chung-Hsing Yeh

Tutors

Clayton

Peter Huynh

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 the Student Evaluation of Teaching and Units (SETU) survey. 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, see:

www.monash.edu.au/about/monash-directions/ and on student evaluations, see:
www.policy.monash.edu/policy-bank/academic/education/quality/student-evaluation-policy.html

Previous Student Evaluations of this Unit

In the last offering (2013-2014 Summer), this unit has achieved a student evaluation score of 4.71 (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

Academic Overview

Learning Outcomes

On successful completion of this unit, students should be able to:

- use popular Chinese computing software in the business environment;
- apply the most efficient Chinese character input technique;
- analyse the Chinese language and multilingual computing environments;
- explain the Chinese and universal character encoding methods for multilingual information processing;
- examine the techniques used to develop Chinese and global software for business applications.

Unit Schedule

Week	Activities	Assessment
0		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	
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	Assignment 1 topic approval - due 15 December 2014; Assignment 1: Chinese Information Presentation - due 22 December 2014; Assignment 2 - Multilingual Web Authoring - due 7 January 2015.
	SWOT VAC	No formal assessment is undertaken during 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.

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.

Assessment Summary

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

Assessment Task	Value	Due Date
Assignment I - Chinese Information Presentation	15%	22 December 2014
Assignment II - Multilingual Web Authoring	15%	7 January 2015
Examination 1	70%	To be advised

Assessment Requirements

Assessment Policy

Faculty Policy - Unit Assessment Hurdles
(http://intranet.monash.edu.au/infotech/resources/staff/edgov/policies/assessment-examinations/assessment-hurd

Academic Integrity - Please see resources and tutorials at
http://www.monash.edu/library/skills/resources/tutorials/academic-integrity/

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:
    You must get permission from your tutor for the topic you choose for this assignment. It is
    advised that you follow your tutor's instructions to do this assignment.

    The assessment will be based on both contents and presentation.

    The marking criteria and specific tasks to be carried out will be made available during
    tutorials.
    Due date:
    22 December 2014
    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 2015
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

Learning resources

Monash Library Unit Reading List (if applicable to the unit)
http://readinglists.lib.monash.edu/index.html

Faculty of Information Technology Style Guide

Feedback to you

Examination/other end-of-semester assessment feedback may take the form of feedback classes, provision of sample answers or other group feedback after official results have been published. Please check with your lecturer on the feedback provided and take advantage of this prior to requesting individual consultations with staff. If your unit has an examination, you may request to view your examination script booklet, see
http://intranet.monash.edu.au/infotech/resources/students/procedures/request-to-view-exam-scripts.html

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

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.monash.edu.au/exams/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.

Assignment submission

It is a University requirement (http://www.policy.monash.edu/policy-bank/academic/education/conduct/student-academic-integrity-managing-pla 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). Please note that it is your responsibility to retain copies of your assessments.

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.

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: www.policy.monash.edu.au/policy-bank/academic/education/index.html

Key educational policies include:

- Student Academic Integrity Policy and Student Academic Integrity: Managing Plagiarism and Collusion Procedures ;
  http://www.policy.monash.edu/policy-bank/academic/education/conduct/student-academic-integrity-policy.h
- Assessment in Coursework Programs;
  http://www.policy.monash.edu/policy-bank/academic/education/assessment/assessment-in-coursework-po
- Special Consideration;
  http://www.policy.monash.edu/policy-bank/academic/education/assessment/special-consideration-policy.ht
- 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/dates/
- Orientation and Transition; http://intranet.monash.edu.au/infotech/resources/students/orientation/
- Academic and Administrative Complaints and Grievances Policy;
  http://www.policy.monash.edu/policy-bank/academic/education/management/complaints-grievance-policy.h

Faculty resources and policies

Important student resources including Faculty policies are located at http://intranet.monash.edu.au/infotech/resources/students/

Graduate Attributes Policy

http://www.policy.monash.edu/policy-bank/academic/education/management/monash-graduate-attributes-policy.h

Student Charter

www.opq.monash.edu.au/ep/student-charter/monash-university-student-charter.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 http://www.monash.edu.au/students. For Malaysia see http://www.monash.edu.my/Student-services, and for South Africa see http://www.monash.ac.za/current/.

Monash University Library

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

Disability Liaison Unit

Students who have a disability or medical condition are welcome to contact the Disability Liaison Unit to discuss academic support services. Disability Liaison Officers (DLOs) visit all Victorian campuses on a regular basis.

- Website: http://www.monash.edu/equity-diversity/disability/index.html
- Telephone: 03 9905 5704 to book an appointment with a DLO; or contact the Student Advisor, Student Commuity Services at 03 55146018 at Malaysia
- Email: dlu@monash.edu
- Drop In: Equity and Diversity Centre, Level 1, Building 55, Clayton Campus, or Student Community Services Department, Level 2, Building 2, Monash University, Malaysia Campus