

Kainan University Department of Information Management

Syllabus for Network Programming Fall, 2007

semester (fall/spring)

year

Course Code No.	Course Title	Instructor	Subject	Level of Course	Credits	Hours per Week
201021400	Chinese:	Dr. Lee-Yen Wang	<input type="checkbox"/> required <input type="checkbox"/> elective	Year: Sophomore Class:	3	3
	English: Network Programming	Course Prerequisites	Introduction to Information Management & Introduction to Network			
Teaching Goals and Content	<p>To help students review constituent concepts of Network</p> <p>To help students fluent in Java Programming</p> <p>To help students know English terms in Network programming and Network and their translations in Chinese</p> <p>To help students understand the concepts of Network layers and the essentials for constructing a protocol</p> <p>To build client/server interaction models using Java</p> <p>To show students how to use network monitor such as Ethereal to monitor network traffic</p>					
Teaching Methods	<input type="checkbox"/> lectures <input type="checkbox"/> practical training <input type="checkbox"/> discuss <input type="checkbox"/> question-and-answer <input type="checkbox"/> other (details _____)					
Grading and Evaluation Criteria	midterm __30__% final __40__% class participation __15__% other 15__% details Quiz Vocabulary, sentence completion, dictation, summary writing _____)					
Textbooks	(author, title, edition, publisher, place of publication, year of publication, pages covered) Author: 賈蓉生, 胡大源, 林金池 Java from beginning to Network program Design 金禾 www.keyhold.com.tw ISBN: 978-986-149-2155 2005					
Course Description (including outline and course schedule):						

Week 1: Introduction

Review concept of synchronous, asynchronous, protocol, TCP, UDP, baudrate, bandwidth, windows

Modify XP environment variables to add path so Java and Javac can run

Run demo program ch01

Week2: Java Class, Block, Instance Variable, Class Variable- Part I**Week3: Java Class, Block, Instance Variable, Class Variable- Part 2****Week4: Java Methods, Instance Methods, Class Methods, Method Overloading, Member Class, Local Class- Part I****Week5: Java Methods, Instance Methods, Class Methods, Method Overloading, Member Class, Local Class- Part II****Week6: Public/Protected/Private/Abstract/Interface/Polymorphism- Part I****Week7: Public/Protected/Private/Abstract/Interface/Polymorphism- Part II****Week8: Java Exceptions(Try,catch,final)****Week9: MidTerm****Week10: Java Package –Part I****Week11: Java Package –Part II****Week12: Thread- Part I****Week13: Thread- Part II****Week14: Client/Server Part I****Week15: Client/Server Part II****Week16: Client/Server Part III****Week17: Client/Server Part IV****Week18: Client/Server Monitor****Final****Instructions:**

- Teachers should fill out this form before the semester begins. After it has been verified by the curriculum committee, the original should be given to the office of curriculum planning and a copy to the head of the department to which the course belongs. In addition, the teacher should explain this syllabus to students at the beginning of a semester.
- This form was approved by the curriculum committee on April 23, 2002.



signature of the convener of the curriculum committee

王立言

signature of the teacher

