

Mahidol University International College

Course: ICCS207 Introduction to File Processing

Text: Files Structures, Michael J. Folk, Bill Zoellick, and Greg Riccardi; Addison-Wesley, 1998.

Instructor: Asst. Prof. Prachuab Vanitchatchavan, Ph.D.
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Time: Thursday 8:00 – 12:00

Evaluation:

Class Attendance	≈	10 %
Class Attention & Participation	≈	10 %
Programming Assignments & Tests	≈	40 %
Final Examination	≈	40 %

Grading: The passing score for this class is 60%. Any students who have the final score of less than 60% will not pass the course and an "F" will be assigned.

Class Policy: **Class attendance will be strictly monitored.** Any students with the class attendance of less than 80% of the class sessions without reasonable cause(s) will not be permitted to take the final examination. **Arriving after the class started without reasonable explanation** will be considered as "late" (15 minutes) or "absent" (30 minutes). Two "late" will be counted as one "absent".

Tests may be given during class session without prior notification. However, any tests or examinations carry more than 5% will be notified at least one week in advance.

Any academic dishonesty on any assignments (both written and programming) will result in a severe penalty for all parties involved. The term "academic dishonesty" includes copying assignments or programs. The same criteria are applied on all examinations. Penalties for academic dishonesty may range from no grade for that particular work to total failure grade, an "F" for the class.

Objectives: This course is intended to present students with the foundation of file processing. A number of programming exercises will be provided in the lab sessions using C, BASIC, and Visual BASIC.

Contents:

- Introduction. Basic Concepts of Computer Data Files
- Chapter 1. Introduction to the Design and Specification of File Structures
- Chapter 2. Fundamental File Processing Operations
- Chapter 3. Secondary-Storage and System Software
- Chapter 4. Fundamental File Structure Concepts
- Chapter 5. Managing Files of Records
- Chapter 7. Indexing
- Chapter 10. Indexed Sequential File Access

Extended Topics

- Topic 1. BASIC Programming
- Topic 2. File Operations in BASIC
- Topic 3. Visual BASIC
- Topic 4. Database Programming in Visual BASIC