



IST 256,
Introduction to
Application Programming,
WrapUp

Learning Outcomes

- Programming concepts learned in this course:
 - Design a user interface that is easily understood and used.
 - Write efficient and elegant computer programs that can be easily understood by a knowledgeable person.
 - Explain the three structures of structured programming and use them to solve complex problems.
 - statements in sequence, selection (if, select case), loops
 - Be able to efficiently manipulate constants, simple variables, one and two dimensional arrays, and records.
 - Program a computer to perform simple mathematical functions, string processing, and manipulate input and output files.

Why take this course?

- Most important result is to learn critical thinking
 - step-by-step analysis of problems
- Companion course to IST 352 Information Analysis of Organizational Systems
 - Information Analysis works with the overall design of the parts of the system and data flow analysis
 - This course works with the details of one part of a system, how to implement it, and how data flows in and out of the system
 - our programs were also composed of parts: modules, event procedures, other procedures and functions
- Programming skills in Visual Basic
 - other languages can easily be learned as needed, programming concepts are the same
- Can appreciate issues of programmers and how programming fits into the solution of (business or other information science) problems