Lesson 1: Overview of the Whole Course

WHOLENESS OF THE LECTURE

Computer science studies the flow of information, and its expression in different forms. Computer programming uses the principles and methods of computer science to create programs that embody various laws of nature that operate in each application area. The most complete value of computing is available in the unified field of total knowledge, the field of pure intelligence and infinite creativity, at the source of creation. A programmer operating from this level of pure creative intelligence can utilize the full value of nature's cosmic computer to create any desired result that is in harmony with natural law.

MAIN POINTS

1. Computer programming is a creative process -- the process of expressing knowledge in an executable or dynamic form. Through the development of consciousness one gains expanded awareness and the ability to utilize the total value of natural law.

2. Computer programs represent the encoded knowledge of an application area and provide organizing power to support progress in that area. Knowledge has organizing power. The unified field gives rise to the cosmic computer that processes all the laws of nature upholding the universe.

3. Computer programs are expressed in computer languages. Programming requires planning or design, and expressing the design in software. Success in programming is based on good planning, and skill in implementing the plan using a computer language. Thinking precedes action, action leads to achievement, and achievement results in fulfillment.

4. A complete computer program consists of the software programs, documentation associated with the software, and the program environment where the software runs. Just as there are many languages in the world that arise from the variety of natural environments, there are many computer languages that apply to a variety of programming environments.