

Data Structures
Evaluation of the Use of Image Related Materials - Spring 2001

This data structures course was taught using image related assignments and examples. You have probably noted by now that this is fairly unique. Neither textbooks nor traditional data structures courses usually use images. This questionnaire is designed to evaluate your perception about the effectiveness of this image based strategy.

1. Please give an estimate of the number of hours spent on each assignment.

2. Were the number of assignments sufficient? If not, please indicate how many you would have preferred.

3. Were the image related support material, in terms of class lecture and writeup, sufficient? If not, please indicate your suggestions.

4. Given the experience you had, to what extent would you recommend this course to others?

-2 (discourage),
-1 (lightly discourage),
0 (ambivalent),
1 (simply recommend),
2 (highly recommend)

5. Indicate how much the assignments facilitated your understanding of the data structures studied in class?

- 1 (did not help, did not add to my understanding),
- 2 (helped, but to a small extent),
- 3 (somewhat improved, helped clarify small issues),
- 4 (improved the depth of understanding),
- 5 (greatly improved, cleared major misunderstandings)

6. Indicate how much the assignments improved your general programming skills?

- 1 (did not help),
- 2 (helped a little),
- 3 (somewhat improved),
- 4 (improved significantly),
- 5 (greatly improved)

7. On the following 1 to 5 scale, rate how much the assignments helped your understanding of and learning about each of the listed topics.

- 1 (did not help),
- 2 (helped a little),
- 3 (somewhat improved),
- 4 (improved significantly),
- 5 (greatly improved)

- (a) Information Hiding
- (b) ADT use and implementation rule
- (c) Makefiles
- (d) Code modularity
- (e) New ADT design
- (f) Stacks and Queues
- (g) List of Lists ADT

- (h) Graph ADT
- (i) Depth first and breadth first searches
- (j) Image processing algorithms such as thresholding, morphological operations, connected component labeling, and simple grouping of regions.
- (k) Documentation skills
- (l) Importance of code commenting.

8. Additional Comments about the Assignments and the Inclusion of Image Related Tasks in the Course: