CSCE 582 {= STAT 582} Fall 2002

BEGINNING OF COURSE QUESTIONNAIRE—RESULTS

Monday 02/8/23

Twenty-five students returned the questionnaire.

1. Did you take CSCE 146? If yes, what was your grade? **Answer:** Yes: 16, No: 9
2. Did you take CSCI 220 or CSCE 350? If yes, what was your grade? **Answer:** Yes: 16, No: 9
3. List all the statistics or probability courses you ever took. **Answer:** STAT 509 most common by far; two students also took STAT 201; a few students indicate MATH 174.
4. How long (in lines of code) is the longest program you ever wrote? **Answer:** Very wide variety; a few have about 4000 lines for the Gizmo Ball.
5. What does this program do?
6. What language was it written in? **Answer:** Wide variety: C, Java are most common.
7. What compiler or interpreter did you use?
8. What is a binary search tree? **Answer:** It is a binary tree whose elements can be compared according to a total order. The following two rules are followed for every node n: (1) every element of n's left subtree is less than or equal to the element in node n. (2) Every element in n's right subtree is greater than the element in node n. (This definition is adapted from p.461 of: Main, Michael. *Data Structures and Other Objects Using Java.* Addison Wesley, 1999.)
9. Define *directed graph.* **Answer:** A directed graph is a pair (V,E), where V is a finite, non-empty set whose elements are called vertices (or nodes or points), and E is a set of ordered pairs of distinct elements of V. Elements of E are called edges (or arcs).
10. If p is false and q is true, $p \Rightarrow q$ is false. True or false? **Answer:** False, i.e., If p is false and q is true, $p \Rightarrow q$ is true. (Thirteen students answered true, nine answered false, three did not answer.)
11. What do you expect to learn from this course? **Answers:** What a Bayesian network is and what it can be used for. I am interested in machine learning and agent-based systems. Bayesian networks and decision

graphs—hopefully practical applications. Widen my knowledge in Statistics, how that can be used in distributed AI. I don't know yet. Something useful that will help me when I graduate. Not sure; it is a topic that I know nothing about and was interested in learning more. More about probability and to be able to think more logically. Probability as used with Bayesian networks. AI Stastics [sic]. What Bayesian network is all about. Probability reasoning. No idea. Bayesian networks and design [sic] graphs. About how Bayesian networks can be used in decision making and information storage. New techonolical [sic] knowledge. Bayesian networks and decision graphs. A lot of theoretical concepts. Math. I have no clue, it was the only 500 level elective open. A better understanding of Bayesian networks.