CSE 8317 Final Exam Page 1 of 4

## CSE 8317: Software Reliability and Safety

## Comprehensive Quiz (Final Exam)

May 7, 2003

(Date for video students: On or before May 21, 2003)

Student Name:	
Circle One:	— Class — NTU — Video —
Exam grade:	

## **General Instructions**

- This is a closed-book exam.
- Read exam questions carefully before answering them.
- There are three (3) questions, totaling 60 points. The point distribution is shown by each question.
- You have 1 hour to finish the exam.
- For video students: If you have something in doubt regarding exam questions, clearly state your assumptions, and then proceed.
- For video **proctors**: The exam should be taken by May 21, 2003. Please fax it to Prof. Tian at (214) 768-3085 or send it by overnight courier.

• Good luck!

I.	General Concepts of SRE & SSE	(5 points each,	20 points total.)
	1. What's the main difference between "reliability" and "safety"?		
	2. Why is SRE mostly suitable for "medium-reliable" software systems?		
	3. What is the basis for assuming reliability "growth" in SRGMs?		
	3 , 3		
	4. What is hazard in the context of SSE?		