Instructor:
Chung-Chi Hsieh
Class Hours: Saturday 9:10 AM ~ 12:00 PM
Tel: (06) 2757575 Ext. 53139
Classroom: IIM 61206
Office Hours: Monday 5:00 PM ~ 6:30 PM; Wednesday 5:00 PM ~ 6:30 PM; or appointed
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Course Description:
This course is designed to be an intermediate course in reliability with prerequisites in probability theory and calculus. To be covered in this course are the concept of reliability, basic reliability models, system reliability, reliability and maintainability design, analysis of failure data, and applications.

Course Learning Goals:
The objective of this course is to equip students with the knowledge of reliability and maintainability

Content Summary:
1. Introduction
2. Failure Distributions
3. Reliability of Systems
4. State Dependent Systems
5. Design for Reliability
6. Failure Model and Effect Analysis
7. Fault Tree Analysis
8. Maintainability
9. Design for Maintainability
10. Availability

References:

Course Requirements:
- Lecture notes and some supplemental materials will be placed on the ftp site (140.116.96.133; port: 21; username:__________; password:__________).
- The mid-term exam is scheduled on **4/20**, and the final exam is scheduled on **6/22**.

- Participation in class is important. Students who fail to attend classes have a great chance of failing.

- Homework assignments shall be handed over before the class starts. No late homework turn-in; no makeup assignment & exams.

- An actively-used e-mail address from each of you will be collected into an e-mail list. The purpose of this e-mail list to announce important class information to all of the students.

- **Contingency plan**: We need to decide a backup plan for both tests so that if a natural catastrophe occurs on either testing date, the test will be automatically postponed to the same day next week. Likewise, if a natural catastrophe occurs on the due date of a homework assignment, this due date will be automatically postponed a week later.

**Grading Policy:**

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