**SYE 3100 Systems Reliability and Maintainability Fall 2014**

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| **Date** | **TOPICS** | **HOMEWORK** |
| 8/14 | 1. Chapter 1 - Introduction to Reliability Engineering
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| 8/19 | 1. Chapter 2 - The Failure Distribution 2.1 -2.3
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| 8/21 | 1. Chapter 2 - The Failure Distribution 2.3 – 2.6
 |  |
| 8/26 | 1. Chapter 3 - Constant Failure Rate Models
 | HW 1 – 2.3, 2.7, 2.11, 2.14 |
| 8/28 | 1. Chapter 3 - Constant Failure Rate Models
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| 9/2 | *Class Cancelled Family Emergency* |  |
| 9/4 | 1. Chapter 4 - Time-Dependent Failure Models
 | HW 2 – 3.3, 3.10, 3.15, 3.18 |
| 9/9 | 1. Chapter 4 - Time-Dependent Failure Models
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| 9/11 | 1. Chapter 5 - Reliability of Systems
 | HW 3 – 4.1, 4.2, 4.15 |
| 9/16 | 1. Chapter 5 - Reliability of Systems
 | HW 4 – 5.7, 5.10, 5.17 |
| **9/18** | **EXAM I: Thursday, September 18th, 1:00 PM** – **2:15 PM** |
| 9/23 | 1. Chapter 6 - State-Dependent Systems
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| 9/25 | 1. Chapter 6 - State-Dependent Systems
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| 9/30 | 1. Chapter 7 - Physical Reliability Models
 | HW 5 – 6.3, 6.4, 6.7, 6.11 |
| 10/2 | 1. Chapter 7 - Physical Reliability Models
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| 10/7 | 1. Chapter 7 - Physical Reliability Models
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| 10/9 | *Class Canceled Professor Ill* |  |
| 10/14 | 1. Chapter 8 - Design for Reliability
 | HW 6 – 7.1, 7.3, 7.7, 7.16, 7.20 |
| 10/16 | 1. Chapter 8 - Design for Reliability
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| 10/21 | 1. Chapter 8 - Design for Reliability
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| 10/23 | 1. Chapter 8 - Design for Reliability
 | HW 7 – 8.2, 8.3, 8.5, 8.14, 8.20 |
| 10/28 | *Class Cancelled Family illness* |  |
| **10/30** | **EXAM II: Thursday, October 30th, 1:00 PM** – **2:15 PM** |
| 11/4 | *Catch up day*  |  |
| 11/6 | 1. Chapter 9 - Maintainability
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| 11/11 | 1. Chapter 9 – Maintainability
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| 11/13 | 1. Chapter 10 - Design for Maintainability
 | HW 8 – 9.4, 9.6, 9.7, 9.9 ~~9.11~~, ~~9.20~~ |
| 11/18 | 1. Chapter 10 - Design for Maintainability
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| 11/20 | 1. Chapter 11 - Availability
 | HW 9 – 10.2, 10.3, 10.5, 10.6 |
| 11/25 | 1. Chapter 11 - Availability
 | HW 10 – 11.5, 11.8, 11.14 |
| 11/27 | *Thanksgiving: no class* |  |
| **12/4** | **FINAL EXAM: Thursday, 1:00 pm – 3:00 pm in Q107** |

Updated November 10, 2014