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WEST VIRGINIA UNIVERSITY
COLLEGE OF ENGINEERING AND MINERAL RESOURCES
DEPARTMENT OF COMPUTER SCIENCE & ELECTRICAL ENGINEERING

CPE484 Real-Time Systems Development
Instructor: Dr. Hany Ammar
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739 ESB, Phone: 293-9682

Prerequisites: CS 110 and CS 111

Recommended Text: Software Engineering for Real-Time Systems, Jim Cooling, Addison Wesley; ISBN-10: 0201596202, ISBN-13: 978-0201596205, Nov. 2002.

References:

1. Just Enough Structured Analysis, Ed. Yourdon, on-line book, http://yourdon.com/strucanalysis/wiki?title=Table_of_Contents
2. Real-Time Systems Design and Analysis, 3ed., P. Laplante, IEEE Press, 2005.

Course Description: This is a project-based course focused on software development with an emphasis on analysis and design of software for real-time systems. The course starts by defining real-time systems and describing their characteristics and unique attributes. The software life-cycle phases are then briefly described in the

