

Formal Methods For Concurrent And Real Time Systems

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Academic Year 2024-2025

Abstract

The goal of this course is to develop the ability to analyze, design, and verify critical systems, with a particular focus on real-time aspects, using formal methods. Key topics covered include Hoare's method for program specification and verification, specification languages for real-time systems, and case studies based on industrial projects. The course aims to provide a solid foundation in applying formal methods to ensure the reliability and correctness of systems, particularly in time-sensitive contexts.

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CHAPTER 1

Introduction
