

UNIVERSITY OF SOUTHERN CALIFORNIA
COMPUTER ENGINEERING SCREENING EXAMINATION

EE 581

**Mathematical Foundations for System Design:
Modeling, Analysis, and Synthesis**

SUGGESTED READING

Textbook: E. A. Lee and S. A. Seshia, "Introduction to Embedded Systems, A Cyber-Physical Systems Approach," Second Ed., <http://LeeSeshia.org>, 2015

Additional books:

- R. Alur, "Principles of Cyber-Physical Systems," MIT Press, 2015;
- Edmund M. Clarke, Jr., Orna Grumberg, and Doron A. Peled, Model Checking, MIT Press, January 2000;
- Michael Huth and Mark Ryan, Logic in Computer Science: Modelling and Reasoning about Systems, Cambridge Univ. Press, June 2004 (2nd edition).

Please be aware that these references are for guidance in BASIC knowledge.
Ph.D. candidates are screened on the basis of talent, course knowledge,
independent reading and experience.

Updated August 2023