

CSCI303: Algorithms

Course Coordinator

Leonard Adleman

Other instructors for course

None

Textbooks and other required materials

Introduction to Algorithms (Second Edition)
By Thomas H. Cormen et al.

Major Topics

1. Mathematical techniques for analyzing the running time complexity of algorithms
2. Data structures and their applications
3. Polynomial time and NP-completeness
4. Public key cryptography
5. Recursive function theory, undecidability of the halting problem, Kleene recursion theorem and recursive enumerability.