

COMP 531. ADVANCED THEORY OF COMPUTATION.

Credits: 3

Offered by: Computer Science (Faculty of Science)

This course is not offered this catalogue year.

Description

Models for sequential and parallel computations: Turing machines, boolean circuits. The equivalence of various models and the Church-Turing thesis. Unsolvability problems. Model dependent measures of computational complexity. Abstract complexity theory. Exponentially and super-exponentially difficult problems. Complete problems.

- Prerequisite: COMP 330
- 3 hours
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