ALGORITHMS

ABOUT THIS COURSE

This is a pilot version of a proposed revision of CS 473/Math 473/CSE 414.

The revised course retains the advanced material from the current CS 473 that is not taught in CS 374, plus some additional topics.

This revision will continue to satisfy the logic / theory of computing requirement for MATH/CS majors.

This revision will also replace CS 573 as the standard introductory algorithms course for graduate students, at least in the short term.

REGISTER SOON

Students from all majors, departments, and degree programs are welcome, but seats are limited.

ALSO KNOWN AS

“Theory II”

TIME AND LOCATION

Spring 2015
Tue Thu 1100–1215, 1310 DCL

INSTRUCTOR

Jeff Erickson

TOPICS [tentative]

Recursion & Dynamic Programming
Randomized Algorithms
Amortized Analysis
Hashing, Filtering, & Streaming
Flows & Cuts
Linear Programming
Approximation Algorithms

AUDIENCE

Advanced undergrads and grads in computer science and related fields

PREREQUISITE

CS 374 or equivalent