EXPANDED COURSE DESCRIPTION
ELECTRICAL ENGINEERING AND COMPUTER SCIENCE
Lassonde School of Engineering
Electrical Engineering Computer Science
LE / EECS 3101 3.0 SECTION A
DESIGN AND ANALYSIS OF ALGORITHMS
FALL 2019 / WINTER 2020

Last Modified Date: 07/18/2019

COURSE CALENDAR DESCRIPTION

Review of fundamental data structures. Analysis of algorithms: time and space complexity. Algorithm design paradigms: divide-and-conquer, exploring graphs, greedy methods, local search, dynamic programming, probabilistic algorithms, computational geometry. NP-complete problems. Prerequisites: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5"); LE/EECS 2011 3.00; SC/MATH 1090 3.00; SC/MATH 1310 3.00. Course credit exclusion: LE/SC CSE 3101 3.00.

INSTRUCTOR(S)

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<th>Name</th>
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