Algorithms & Models of Computation CS/ECE 374, Fall 2020

## DAGs, DFS, topological sorting, linear time algorithm for SCC

Lecture 16 Thursday, October 22, 2020

LATEXed: September 23, 2020 21:02

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## **16.1** Overview: Depth First Search and $\underline{SCC}$

SCC

## Overview

Topics:

- Structure of directed graphs
- DAGs: Directed acyclic graphs.
- Topological ordering.
- **DFS** pre/post number, and its properties.
- Linear time algorithm for SCCs.

## THE END

(for now)

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