

## Class 10: Subverting Bitcoin

### Schedule

**Wednesday, September 30:** Checkup 2 revisions (if desired), due at the beginning of class.

**Friday, October 9:** Problem Set 2 (moved from original deadline of October 2). Problem Set 2 will be posted later.

**Monday, October 19:** Midterm Exam

### Checkup 2

[Checkup 2 \(PDF\)](#)

Note: ink markings may not appear in the embedded viewer. To see them, [download the slides](#).

### Notes

Why would a hypothetical cryptocurrency without miners not work? What is the essential service rendered by a miner?

How does Bitcoin handle forks? What criteria does it use to decide the branch to converge on?

What is a Nash Equilibrium in a game? What is the equilibrium strategy in a game of rock-paper-scissors?

What would happen to the bitcoin currency if everyone started mining selfishly?