#### Financial Mathematics

MATH 5870/6870<sup>1</sup> Fall 2021

Le Chen

lzc0090@auburn.edu

Last updated on August 2, 2021

Auburn University
Auburn AL

<sup>&</sup>lt;sup>1</sup>Based on Robert L. McDonald's *Derivatives Markets*. 3rd Ed. Pearson. 2013.

- § 10.1 A one-period Binomial tree
- § 10.2 Constructing a Binomial tree
- § 10.3 Two or more binomial periods
- § 10.4 Put options
- § 10.5 American options
- $\S$  10.6 Options on other assets
- § 10.7 Problems

#### $\$ 10.1 A one-period Binomial tree

- § 10.2 Constructing a Binomial tree
- § 10.3 Two or more binomial periods
- § 10.4 Put options
- § 10.5 American options
- § 10.6 Options on other assets
- § 10.7 Problems

- § 10.1 A one-period Binomial tree
- § 10.2 Constructing a Binomial tree
- § 10.3 Two or more binomial periods
- § 10.4 Put options
- § 10.5 American options
- § 10.6 Options on other assets
- § 10.7 Problems

- § 10.1 A one-period Binomial tree
- $\$  10.2 Constructing a Binomial tree
- § 10.3 Two or more binomial periods
- § 10.4 Put options
- § 10.5 American options
- § 10.6 Options on other assets
- § 10.7 Problems

- § 10.1 A one-period Binomial tree
- $\$  10.2 Constructing a Binomial tree
- § 10.3 Two or more binomial periods
- § 10.4 Put options
- § 10.5 American options
- § 10.6 Options on other assets
- § 10.7 Problems

- § 10.1 A one-period Binomial tree
- § 10.2 Constructing a Binomial tree
- $\$  10.3 Two or more binomial periods
- § 10.4 Put options
- § 10.5 American options
- § 10.6 Options on other assets
- § 10.7 Problems

- § 10.1 A one-period Binomial tree
- § 10.2 Constructing a Binomial tree
- § 10.3 Two or more binomial periods
- § 10.4 Put options
- § 10.5 American options
- § 10.6 Options on other assets
- § 10.7 Problems

- § 10.1 A one-period Binomial tree
- § 10.2 Constructing a Binomial tree
- § 10.3 Two or more binomial periods

#### $\S 10.4$ Put options

- § 10.5 American options
- § 10.6 Options on other assets
- § 10.7 Problems

- § 10.1 A one-period Binomial tree
- § 10.2 Constructing a Binomial tree
- § 10.3 Two or more binomial periods
- § 10.4 Put options
- § 10.5 American options
- § 10.6 Options on other assets
- § 10.7 Problems

- § 10.1 A one-period Binomial tree
- § 10.2 Constructing a Binomial tree
- § 10.3 Two or more binomial periods
- § 10.4 Put options
- $\S$  10.5 American options
- § 10.6 Options on other assets
- § 10.7 Problems

- § 10.1 A one-period Binomial tree
- § 10.2 Constructing a Binomial tree
- § 10.3 Two or more binomial periods
- § 10.4 Put options
- § 10.5 American options
- § 10.6 Options on other assets
- § 10.7 Problems

- § 10.1 A one-period Binomial tree
- § 10.2 Constructing a Binomial tree
- § 10.3 Two or more binomial periods
- § 10.4 Put options
- § 10.5 American options
- $\$  10.6 Options on other assets
- § 10.7 Problems

- § 10.1 A one-period Binomial tree
- § 10.2 Constructing a Binomial tree
- § 10.3 Two or more binomial periods
- § 10.4 Put options
- § 10.5 American options
- § 10.6 Options on other assets
- § 10.7 Problems

- § 10.1 A one-period Binomial tree
- § 10.2 Constructing a Binomial tree
- § 10.3 Two or more binomial periods
- § 10.4 Put options
- § 10.5 American options
- § 10.6 Options on other assets
- § 10.7 Problems

- § 10.1 A one-period Binomial tree
- § 10.2 Constructing a Binomial tree
- § 10.3 Two or more binomial periods
- § 10.4 Put options
- § 10.5 American options
- § 10.6 Options on other assets
- § 10.7 Problems