

Boone's Finance Boot Camp

A lean, scalable model for foundational finance preparation

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More than a video library

Nineteen short videos, 1,400 randomized practice questions, reusable learning materials, and a specialized LLM tutor grounded in the Boot Camp—free to students and designed for faculty reuse.

01 · THE NEED

Move foundational review outside class—without leaving students alone.

Students enter finance courses with uneven preparation. The original proposal aimed to give incoming finance students explanations they could replay at home so class time could focus on cases, decisions, and feedback.

02 · PROPOSAL TO PLATFORM

Short videos	19 sequenced lessons
Practice sheets	7 randomized quiz banks
Simple hosting	Public site + YouTube + LLM
Supporting files	Notes, 6 workbooks + TC-12C
Supporting tutor	Specialized, source-grounded LLM

S1-06 THROUGH S1-09

Bonds

Use semiannual cash flows to understand the bond, price it on a calculator, price it in Excel, and solve for YTM.

S1-06

Bonds as Annuity Plus Face Value

See the bond as a stream of semiannual coupons plus the face value at maturity.

S1-06: Bonds as Annuity Plus Face Value

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Bonds as Annuity Plus Face Value

See the bond as a stream of semiannual coupons plus the face value at maturity.

Watch on YouTube

Faculty-led and concise. Short lessons pair focused explanations with on-screen finance content.

03 · STUDENT PATHWAY



19

videos

7

quiz banks

1,400

questions

2

note sets

6

workbooks

04 · PRACTICE AND SUPPORT

Immediate feedback, repeated practice, and help that points students back to learning.

Question 1 of 19Hardbond priceClose

Zero-Coupon Bond

What is the price of an 8-year zero-coupon bond with \$1,000 face value if the annual YTM is 5.00% and compounding is semiannual?

You missed this one.

Your answer: \$820.75

Correct answer: \$673.62

A\$820.75YOUR ANSWER

B\$673.62CORRECT ANSWER

C\$676.84

D\$1,000.00

Not quite.
This uses the semiannual rate but only the number of years, not the number of semiannual periods.

HELPFUL REVIEW: Review S1-06Review S1-08

Corrective feedback. A missed answer is explained and paired with a direct review link.

VBVirtual Boone for this Boot Camp. Helpful, but not a general AI.Close

you

What is present value?

VB

Present value (PV) is the value today of a cash flow (or series of cash flows) that will occur in the future – i.e., how much you would need now so that, invested at rate r , it grows to the future amount. Formula for a single future cash flow: $PV = FV / (1 + r)^n$. Draw a timeline, match the rate to the period, and keep signs straight when you discount multiple cash flows. See S1-02 and the Series 1 companion notes for examples.

Review S1-02

Series 1 PDF notes

Copy

Ask VB a Boot Camp question...

Do not enter private personal information.

Clear

Ask

Virtual Boone. A specialized LLM tutor explains, hints, and links to the relevant lessons and practice.

Quiz design

Standard and challenge modes; varied families, skills, and difficulty; immediate feedback.

VB guardrails

Kept off quiz pages and instructed to guide rather than become an answer key.

Measurement

Aggregate traffic and private anonymous quiz events; no student account required.

PLANNED NEXT ITERATION

Mastery Practice

An optional third mode will use the existing question tags and answer-specific feedback to select each next question. A missed answer triggers focused review and a fresh problem; varied, unassisted success leads to a mastery check and then the next concept.

PLANNED—NOT YET IMPLEMENTED



05 · BUILT FOR USE

One resource, several points of need.

The Boot Camp is free, self-paced, and available without an account. Students and faculty can link to the full sequence or go directly to a lesson, quiz bank, workbook, note section, calculator, or VB.

BEFORE A COURSE

Incoming finance students

Refresh foundations and identify gaps before class begins.

AT A POINT OF NEED

Targeted review

Return to one concept before an assignment, exam, or advanced application.

THROUGH FACULTY REUSE

Direct, modular links

Share only the lessons and practice that fit another course.

Thoughtful evaluation

The October–November MBA use period will provide initial evidence about reach, engagement, and perceived usefulness—without claiming causal learning improvement.

06 · LEAN PRODUCTION

The larger lesson is the economics of creation.

Faculty expertise + Existing materials + AI-assisted production

Faculty on-camera recording time ≈ 2.5 hours

Creating the Boot Camp changed how I think about the cost-to-benefit ratio of online education. I saw how much a faculty member can now produce by combining subject-matter expertise with AI at remarkably low cost.

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Grant stewardship

Funds supported platform development with Codex, an AI-assisted development tool, and operation of VB. Remaining funds can continue VB, seed a new Equity Analysis or Capital Structure series, or support both.

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