

Extra Bonus Opportunity

Topic	Video Title & Link	Most Useful Content	Most Confusing Content	Plan to Use in the Future
Op-Amps	Introduction to Operational Amplifiers - [Watch here](https://www.youtube.com/watch?v=HgnhbJ8a3aE)	Clear explanation of basic op-amp concepts	No visual examples for practical circuits	Use for reviewing fundamentals
Op-Amps	Op-Amp Basics and Circuits - [Watch here](https://www.youtube.com/watch?v=pvn2WAEaqWM)	Step-by-step derivations of formulas	Some math-heavy sections are hard to follow	Review specific formulas and operations
Op-Amps	Inverting and Non-Inverting Op-Amp Configurations - [Watch here](https://www.youtube.com/watch?v=fH DG8w1DZ1g)	Detailed comparison of configurations	Assumes prior knowledge of circuits	Reference for specific configuration design
Op-Amps	Op-Amp Comparator Explained - [Watch here](https://www.youtube.com/watch?v=_I Q4LpoT9uE)	Explains comparators with real-world examples	None	Use in designing comparator-based circuits
Diodes	Introduction to Diodes and V-I Characteristics - [Watch here](https://www.youtube.com/watch?v=EdUAecpYVWQ)	Clear explanation of diode operation and characteristics	Skips advanced diode applications	Use for introductory concepts in lectures
Diodes	How Does a PN Junction Diode Work - [Watch here](https://www.youtube.com/watch?v=btOIDQeMrMg)	Great animated explanation of diode physics	Advanced concepts briefly mentioned without details	Use animations for better understanding of diode operation