



## Style Transfer Intro

✓ **Video:** Welcome to Course 4  
6 min

✓ **Reading:** Connect with your mentors and fellow learners on Slack!  
10 min

✓ **Video:** Style Transfer Intro  
3 min

✓ **Reading:** Reference: A Neural Algorithm of Artistic Style  
10 min

✓ **Video:** Style Transfer Conceptual Overview  
4 min

✓ **Reading:** Reference: Perceptual Losses for Real-Time Style Transfer and Super-Resolution  
10 min

✓ **Video:** Pre-Processing Inputs  
2 min

✓ **Video:** Extracting Style and Content Features  
6 min

✓ **Reading:** Reference: Visualizing and Understanding Convolutional Networks  
10 min

▶ **Video:** Total Loss and Content Loss  
3 min

▶ **Video:** Style Loss  
3 min

📖 **Reading:** Reference: numpy.einsum  
10 min

▶ **Video:** Update the Generated Image  
1 min

▶ **Video:** Optional - Gram



# Reference: Visualizing and Understanding Convolutional Networks

- Visualizing and Understanding Convolutional Networks (Zeiler & Fergus, 2013)

✓ Complete

Go to next item

