

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and...  
deeplearning.ai

Overview

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Course Info

You've successfully completed the course! To access up-to-date course material, please reset your deadlines.

Reset my deadlines

# Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization

by deeplearning.ai

## My Weekly Goal

May 10 - May 16 | Learn **5 days** a week [Edit](#)



## Congratulations!

You've successfully completed Course 2 of 5: **Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization!**

[Read course reviews](#)



[View your certificate](#)

Keep going!

## Instructor's Note



Welcome to Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization! You're joining thousands of learners currently enrolled in the course. I'm excited to have you in the class and look forward to your contributions to the learning community.

[More](#)

## WEEK 1

Practical aspects of Deep Learning

Videos 25 min left

REQUIRED

Quiz

GRADE

100%

DUE

Jan 13

Readings ☐ Done

Other ☐ Done

Practical aspects of deep learning  
**30 min**

3:59 PM PST

✓ <b>Programming Assignment</b> Initialization	100%	Jan 13 3:59 PM PST
✓ <b>Programming Assignment</b> Regularization <b>1h</b>	100%	Jan 13 3:59 PM PST
✓ <b>Programming Assignment</b> Gradient Checking <b>1h</b>	100%	Jan 13 3:59 PM PST

## ✓ WEEK 2

### Optimization algorithms

Videos ☐ **13 min left**

Readings ☐ Done

Other ☐ Done

#### REQUIRED

#### GRADE

#### DUE

✓ <b>Quiz</b> Optimization algorithms <b>30 min</b>	100%	Jan 20 3:59 PM PST
✓ <b>Programming Assignment</b> Optimization <b>30 min</b>	100%	Jan 20 3:59 PM PST

## ✓ WEEK 3

### Hyperparameter tuning, Batch Normalization and Programming Frameworks

Videos ☐ Done

Readings ☐ Done

Other ☐ Done

#### REQUIRED

#### GRADE

#### DUE

✓ <b>Quiz</b> Hyperparameter tuning, Batch Normalization... <b>30 min</b>	100%	Jan 27 3:59 PM PST
✓ <b>Programming Assignment</b> Tensorflow	100%	Jan 27 3:59 PM PST

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