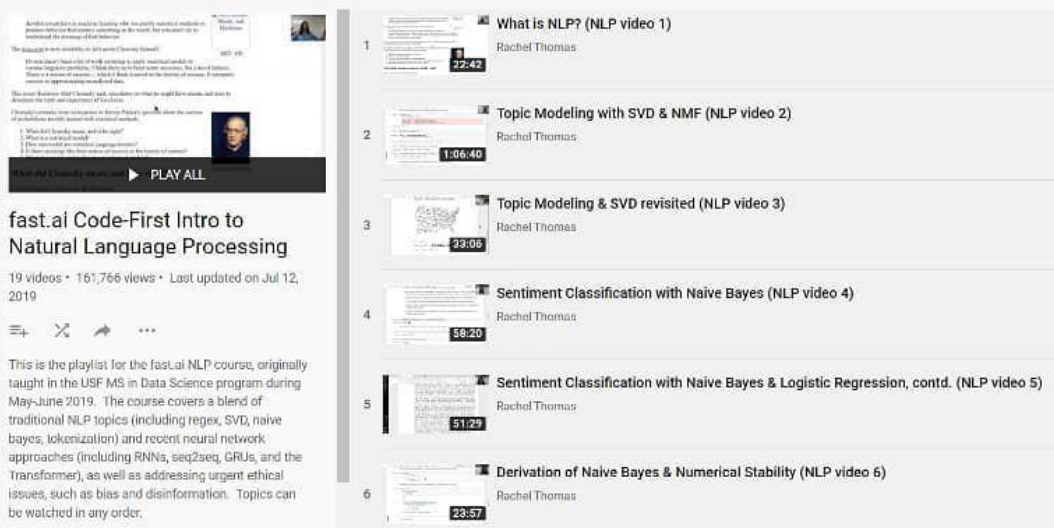


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# 5 FREE COURSES TO LEARN NLP



# #1. A Code-First Introduction to NLP course



The image shows a screenshot of a YouTube playlist. On the left, the video player shows a thumbnail for the first video, 'What is NLP? (NLP video 1)', with a duration of 22:42. Below the player, the playlist title 'fast.ai Code-First Intro to Natural Language Processing' is displayed, along with '19 videos • 161,766 views • Last updated on Jul 12, 2019'. A description follows: 'This is the playlist for the fast.ai NLP course, originally taught in the USF MS in Data Science program during May-June 2019. The course covers a blend of traditional NLP topics (including regex, SVD, naive bayes, tokenization) and recent neural network approaches (including RNNs, seq2seq, CRUs, and the Transformer), as well as addressing urgent ethical issues, such as bias and disinformation. Topics can be watched in any order.'

On the right, a list of six videos is shown:

- 1 What is NLP? (NLP video 1) Rachel Thomas 22:42
- 2 Topic Modeling with SVD & NMF (NLP video 2) Rachel Thomas 1:06:40
- 3 Topic Modeling & SVD revisited (NLP video 3) Rachel Thomas 33:08
- 4 Sentiment Classification with Naive Bayes (NLP video 4) Rachel Thomas 38:20
- 5 Sentiment Classification with Naive Bayes & Logistic Regression, contd. (NLP video 5) Rachel Thomas 51:29
- 6 Derivation of Naive Bayes & Numerical Stability (NLP video 6) Rachel Thomas 23:57

**link - [fast.ai/2019/07/08/fastai-nlp/](https://fast.ai/2019/07/08/fastai-nlp/)**

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**Instructor**



**Rachel thomas**

# #2. CS224N: Natural Language Processing with Deep Learning








CS224N: Natural Language Processing with Deep Learning | Winter 2019

20 videos • 528,809 views • Last updated on May 2, 2019



stanfordonline

SUBSCRIBE

- 1  Stanford CS224N: NLP with Deep Learning | Winter 2019 | Lecture 1 – Introduction and Word Vectors  
stanfordonline
- 2  Stanford CS224N: NLP with Deep Learning | Winter 2019 | Lecture 2 – Word Vectors and Word Senses  
stanfordonline
- 3  Stanford CS224N: NLP with Deep Learning | Winter 2019 | Lecture 3 – Neural Networks  
stanfordonline
- 4  Stanford CS224N: NLP with Deep Learning | Winter 2019 | Lecture 4 – Backpropagation  
stanfordonline
- 5  Stanford CS224N: NLP with Deep Learning | Winter 2019 | Lecture 5 – Dependency Parsing  
stanfordonline

**link - [web.stanford.edu/class/cs224n/](http://web.stanford.edu/class/cs224n/)**

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**Instructor**



**Chris Manning**

# #3 Deep Learning for Natural Language Processing by oxford and DeepMind

**Deep Learning for NLP at Oxford with Deep Mind 2017**

15 videos • 47,206 views • Last updated on Apr 29, 2017

This playlist contains the lecture videos for the Deep Natural Language Processing course offered in Hilary Term 2017 at the University of Oxford.

This is an advanced course on natural language processing. Automatically processing natural language inputs and producing language outputs is a key component of Artificial General Intelligence. The ambiguities and noise inherent in human communication render traditional symbolic AI

- 1 **Lecture 1a - Introduction [Phil Blunsom]**  
Zafarullah Mahmood  
19:07
- 2 **Lecture 1b - Deep Neural Networks [Wang Ling]**  
Zafarullah Mahmood  
42:05
- 3 **Lecture 2a - Word Level Semantics [Ed Grefenstette]**  
Zafarullah Mahmood  
1:05:41
- 4 **Lecture 2b - Overview of the Practicals [Chris Dyer]**  
Zafarullah Mahmood  
28:39
- 5 **Lecture 3 - Language Modelling and RNNs Part 1 [Phil Blunsom]**  
Zafarullah Mahmood  
1:11:16
- 6 **Lecture 4 - Language Modelling and RNNs Part 2 [Phil Blunsom]**  
Zafarullah Mahmood  
1:05:56

**link - [youtube.com/playlist?](https://youtube.com/playlist?list=PL613dYIGMXoZBtZhbyiBqb0QtgK6oJbpm)**

**list=PL613dYIGMXoZBtZhbyiBqb0QtgK6oJbpm**

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**Instructor**



**Phil Blunsom**

# #4. Natural Language Processing B

## Carnegie Mellon University

Syllabus	<a href="#">Course Syllabus</a>
Lecture	Section A: Tuesdays and Thursdays, 3:00-4:20pm (Doherty Hall 2210)
Instructors	  <a href="#">Alan W. Black</a> <a href="#">David R. Mortensen</a>
Office Hours by appointment	<a href="#">David R. Mortensen</a> <a href="#">Alan W. Black</a>
Teaching Assistants	       <a href="#">Yifan Xu</a> <a href="#">Yu Hao</a> <a href="#">Anqi Wang</a> <a href="#">Kinjal Jain</a> <a href="#">Shruti Palaskar</a> <a href="#">Jerry Yu</a> <a href="#">Janny Mongkolsupawan</a>
TA Office Hours	(Location: GHC 5th Floor, LTI common area)
Textbook	<a href="#">Speech and Language Processing</a> (2nd Edition, 2007, Prentice-Hall), by Daniel Jurafsky and James Martin
Cheating Policy	<a href="#">Cheating Policy</a>
Resources	<a href="#">Piazza</a> , <a href="#">Canvas</a> , <a href="#">Gradescope</a>

**link - [demo.clab.cs.cmu.edu/NLP/](https://demo.clab.cs.cmu.edu/NLP/)**

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**Instructor**



[Alan W. Black](#)



[David R. Mortensen](#)

# #5. Natural Language Processing [FULL COURSE] | University of Michigan









## Natural Language Processing [FULL COURSE] | University of Michigan

81 videos • 208,148 views • Last updated on Aug 11, 2019



Natural language processing (NLP) deals with the application of computational models to text or speech data. Application areas within NLP include automatic (machine) translation between languages; dialogue systems, which allow a human to interact with a machine using natural language; and information extraction, where the goal is to transform unstructured text into structured (database) representations that can be searched and browsed in

-  **Lecture 1 – Introduction - Natural Language Processing | University of Michigan**  
Artificial Intelligence - All In One  
8:39
-  **Lecture 2 – Examples of Text - Natural Language Processing | University of Michigan**  
Artificial Intelligence - All In One  
7:52
-  **Lecture 3 – Funny Sentences - Natural Language Processing | University of Michigan**  
Artificial Intelligence - All In One  
6:33
-  **Lecture 4 – Administrative - Natural Language Processing | University of Michigan**  
Artificial Intelligence - All In One  
8:07
-  **Lecture 5 – Why is NLP hard - Natural Language Processing | University of Michigan**  
Artificial Intelligence - All in One  
25:56
-  **Lecture 6 – Background - Natural Language Processing | University of Michigan**  
Artificial Intelligence - All In One  
16:55

**link - [youtube.com/playlist?](https://youtube.com/playlist?list=PLLssT5z_DsK8BdawOVCCaTCO99Ya58ryR)**

**list=PLLssT5z\_DsK8BdawOVCCaTCO99Ya58ryR**

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