

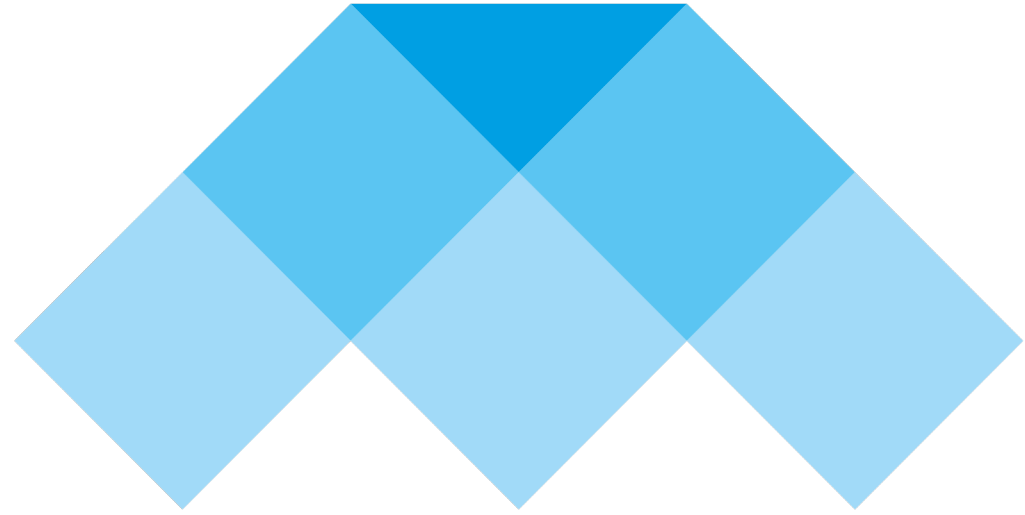
Spoken Language Processing Course Logistics

Luis Caldas de Oliveira



SLP Course Fenix Page

- announcements
- lab enrollment
- publication of lab assignments
- publication of class slides
- publication of grades



FenixEduTM

SLP Course Instructors



Luis Caldas de
Oliveira



Alberto Abad



Bruno Martins



Classes

Lectures

- Tuesdays 15:00-17:00 EA4
- Thursdays 16:00-18:00 EA4

Labs - PFL02

- Tuesdays 13:30-15:00 LSDC1
- Wednesdays 17:00-18:30 LSDC1

Labs - PFL03

- Wednesdays 15:30-17:00 LAB 2
- Thursdays 14:30-16:00 LAB 2

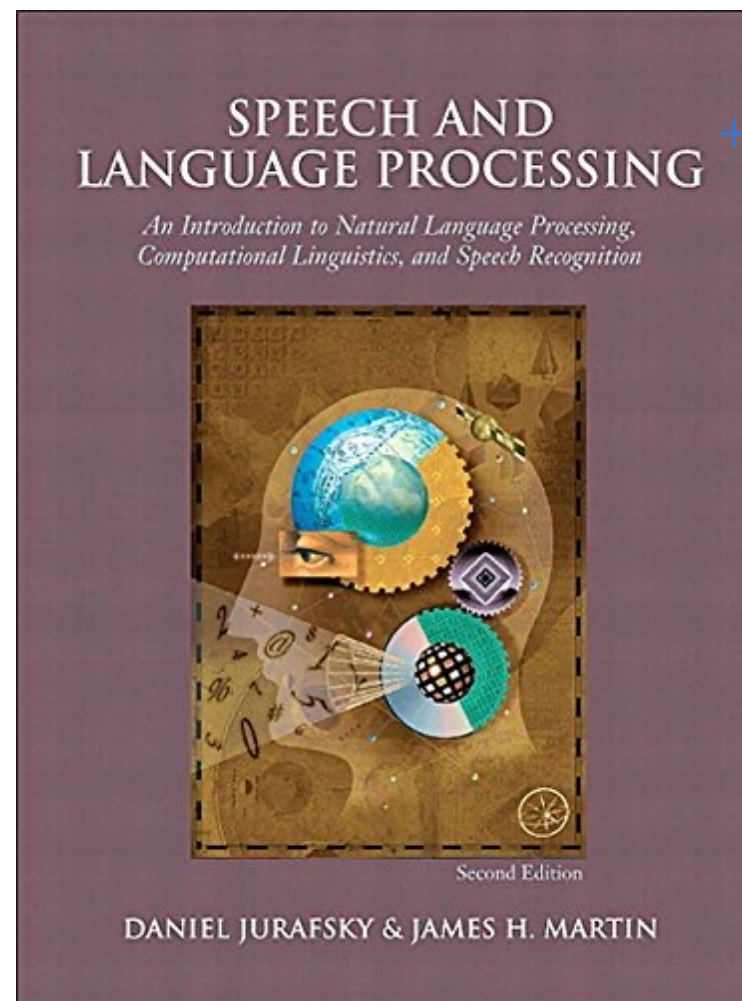
Readings

Speech and Language Processing

Daniel Jurafsky, and James H. Martin

3rd ed. draft, Feb 2024

<https://web.stanford.edu/~jurafsky/slp3/>





Readings (cont)

Introduction to Speech Processing

Tom Bäckström, Okko Räsänen, Abraham Zewoudie, Pablo Pérez Zarazaga, Liisa Koivusalo, Sneha Das, Esteban Gómez Mellado, Mariem Bouafif Mansali, Daniel Ramos, Sudarsana Kadiri and Paavo Alku

2nd Edition, 2022

<https://speechprocessingbook.aalto.fi>

Grading

- **20% MAP10:** the average of the 3 best 10-min weekly.
- **40% L:** the average grade of 3 lab assignments (min 7.50/20.00).
- **40% E:** final exam grade (min 7.50/20.00)

$$\text{Final} = \max(0.2 * \text{MAP10} + 0.4 * \text{L} + 0.4 * \text{E}, \\ 0.4 * \text{L} + 0.6 * \text{E})$$



Lectures (1)

Week1

Lecture01 (Apr 16th) - Introduction, Speech Production and Perception (LCO)

Lecture02 (Apr 18th) - Speech Signal Representations (LCO)

Week2

Lecture03 (Apr 23rd) - Model of Speech Production (LCO)

Holiday (Apr 25th)

Week3

Lecture04 (Apr 30th) - Speech Classification 1 (AA)

Lecture05 (May 2nd) - Speech Classification 2 (AA)

Week4

Lecture06 (May 7th) - Classical Methods for Speech Recognition (AA)

Lecture07 (May 9th) - Deep Learning for Sequence Processing (BM)

Lectures (2)

Week5

Lecture08 (May 14th) – Sequence to Sequence Applications (BM)

Lecture09 (May 16th) – Speech Synthesis (LCO)

Week6

Lecture10 (May 21st) - Dialogue Systems 1 (BM)

Técnico Day (May 23rd)

Week7

Lecture11 (May 28th) - Dialogue Systems 2 (BM)

Holiday (May 30th)

Lab Assignments

Speech Signal Processing

- Week1 to Week3
- Due date:
Sunday, May 5th, 21:00

Speech Classification and Recognition

- Week4 + Week5
- Due date:
Sunday, May 19th,
21:00

Dialogue Systems

- Week6 + Week7
- Due date:
Sunday, June 2nd,
21:00

Lab Grading

Lab attendance is mandatory!

The penalty for missing a lab session will be:

- 1 missed session: no penalty
- 2 missed sessions: 5% penalty
- 3 missed sessions: 10% penalty
- 4 missed sessions: 25% penalty
- 5 missed sessions: 50% penalty
- 6 missed sessions or more: 100% penalty

The student fails the lab component if
grade < 7.50

Unethical Behavior

Reference to, or use of another person's laboratory solutions from the current or previous years.

Submission of work that is not done by your laboratory group, except when using open-source code, acknowledging its authors and origin (URL).

Allowing another person to copy your laboratory solutions or work.

Office Hours

Luis Caldas
de Oliveira

- Tuesday, Apr 23rd, 10:00
- Tuesday, Apr 30th, 10:00

Alberto
Abad

- Wednesday, May 8th, 9:30
- Wednesday, May 15th, 9:30

Bruno
Martins

- Tuesday, May 21st, 10:00
- Tuesday, May 28th, 10:00

Students who wish to attend office hours should notify the instructor 24h in advance

Obrigado



TÉCNICO LISBOA