

Information and coding theory – 2023-2024

Organization

Part1

- Lecture on 08.02.2024: Read slides ICT_1_introduction.pdf, View video Lecture 1 of D MacKay
Practical Information by Anthony Cioppa
- Lecture on 15.02.2024: Read slides ICT_2_algebra.pdf, View video Lecture 2 of D MacKay
Exercise session 1, Info about Project 1

Part2

- Lecture on 22.02.2024: Read slides ICT_3_source_coding.pdf, View video Lecture 3 of D MacKay
- Written test on Part 1 on 29.02.2024: Revise Part 1 slides and exercises
Exemption for the corresponding part of the written exam if passed with a least 12/20
- Lecture on 07.03.2024: Read (again) slides ICT_3_source_coding.pdf, View video Lecture 4 of D MacKay
- Lecture on 14.03.2024: Read slides ICT_4_data_compression.pdf, View video Lecture 5 of D MacKay
Exercise session 2
- 20.03.24: Deadline Project 1
- Lecture on 21.03.2024: Read (again) slides ICT_4_data_compression.pdf, View video Lecture 5 of D MacKay
Exercise session 3

Part3

- Lecture on 28.03.2024: Read slides ICT_5_Channel_coding_1.pdf, View video Lecture 6 of D MacKay
Exercise session 4
- Lecture on 04.04.2024: Read (again) slides ICT_5_Channel_coding_1.pdf, View video Lecture 7 of D MacKay
- Lecture on 11.04.2024: Read slides ICT_5_Channel_coding_2.pdf, View video Lecture 8 of D MacKay
Exercise session 5
- Lecture on 18.04.2024: Slack for theoretical lectures
- 10.05.24: Deadline Project 2
- Lecture on 16.05.2024: Buffer Lecture, Q&A session

Course evaluation:

- Projects carried out by groups of 2 students, during the semester:
 - Project 1: 20%, Project 2: 20%
- Written Exam in Presence: 60%
 - Part 1 of the course, 20%
 - Part 2 of the course, 20%
 - Part 3 of the course, 20%

NB: If the students get at least 12/20 in the written test organized on 29.02.2024, they can opt for an exemption of this part of the written exam.