



# LIÈGE université

# School of Engineering

University of Liège  
Faculty of applied science  
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**ELEN0060-2: Project 2**  
Source coding, data compression and channel coding

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## 1 Implementation

1.1 Question 1

1.2 Question 2

1.3 Question 3

1.4 Question 4

## 2 Source coding and reversible (lossless) data compression

2.1 Question 5

2.2 Question 6

2.3 Question 7

2.4 Question 8

2.5 Question 9

2.6 Question 10

2.7 Question 11

2.8 Question 12

2.9 Question 13

2.10 Question 14

2.11 Question 15

2.12 Question 16

## 3 Channel coding

3.1 Question 17

3.2 Question 18

3.3 Question 19

3.4 Question 20

3.5 Question 21

3.6 Question 22