

ENEE5306 Lecture Recording Links

Fall Semester 2021-2022

Dear Students,

Here are the links to the youtube-recorded lectures of the course in case you miss any scheduled lecture.

1	Introduction To Information Theory-1	https://www.youtube.com/watch?v=B_ymsyDAgHM&feature=youtu.be
2	Efficiency and reliability	https://www.youtube.com/watch?v=aXbHiN0IsN8
3	Discrete Memoryless Sources	https://www.youtube.com/watch?v=wmNOUeP3zQU
4	Markov Sources	https://www.youtube.com/watch?v=ATpBRZyhAbE
5	Measure of Information	https://www.youtube.com/watch?v=w91EnWFC_k4
6	Properties of Source Entropy	https://www.youtube.com/watch?v=sM1Iwt7Lfrw
7	Entropy of a Discrete Memoryless Source	https://www.youtube.com/watch?v=56C4s4Lr3us
8	Entropy of the simple Markov source	https://www.youtube.com/watch?v=IdTs9pJVuco
9	Compact representation of sources: Part 1	https://www.youtube.com/watch?v=4yWU9GoZGDM
10	Compact representation of sources: Part 2	https://www.youtube.com/watch?v=gliU0dnI6bo
11	Source coding algorithms: Part 1	https://www.youtube.com/watch?v=IPLUL8ulzp8&feature=youtu.be
12	Source coding algorithms: Part 2	https://www.youtube.com/watch?v=QvI2aWFS86c&feature=youtu.be
13	Discrete memoryless channels	https://www.youtube.com/watch?v=l76OFt4N48U&list=PLtSOZH00XnFS-x9zqVmnhdXouh6r2dz&index=5&t=137s
14	joint entropy and mutual information	https://www.youtube.com/watch?v=Q7KJeq_zo4E&feature=youtu.be
15	Capacity of the discrete memoryless channel	https://www.youtube.com/watch?v=jFhUCJ4UBI8&list=PLtSOZH00XnFS-x9zqVmnhdXouh6r2dz&index=7
16	The Gaussian channel	https://www.youtube.com/watch?v=fKRu1ppCEM&feature=youtu.be
17	Capacity of the Gaussian channel	https://www.youtube.com/watch?v=qCfdxUvIHvw&feature=youtu.be

- 18 Linear block codes-
part a <https://www.youtube.com/watch?v=XUQ-0L91tDw&feature=youtu.be>
- 19 Linear block codes-
part b https://www.youtube.com/watch?v=d8D5V_65oio&feature=youtu.be
- 20 Data link layer <https://www.youtube.com/watch?v=2Ujfwgygn6M&feature=youtu.be>
- 21 CRC Code <https://www.youtube.com/watch?v=C79ULYKM0Fw&feature=youtu.be>
- 22 Data link layer
automatic repeat
request https://www.youtube.com/watch?v=xkF577_mh8M&feature=youtu.be
- 23 Convolutional
codes-part 1 <https://www.youtube.com/watch?v=hE53xdjl8a0&feature=youtu.be>
- 24 Convolutional
codes-part 2 <https://www.youtube.com/watch?v=FrzAMT1KGic&feature=youtu.be>