

Academic Year: (2018 / 2019)

Review date: 11-04-2018

Department assigned to the subject: Signal and Communications Theory Department

Coordinating teacher:

Type: Electives ECTS Credits : 6.0

Year : 4 Semester :

DESCRIPTION OF CONTENTS: PROGRAMME

This course aims to provide an overview of the application of machine learning techniques in different problems in healthcare.

1. Introduction to Machine Learning in Healthcare.
2. Smart Electronic Health Records.
3. Disease Identification and Diagnosis.
4. Personalized Medicine
5. Behavioral Characterization and Modification.
5. Drug Discovery.
6. Epidemic Outbreak Prediction.

% end-of-term-examination: 60

% of continuous assessment (assignments, laboratory, practicals...): 40