

Academic Year: (2018 / 2019)

Review date: 12-04-2018

Department assigned to the subject: Statistics Department

Coordinating teacher:

Type: Electives ECTS Credits : 6.0

Year : Semester :

DESCRIPTION OF CONTENTS: PROGRAMME

1: Univariate Time Series
Descriptive Analysis
Transformations
Introduction to the R language for forecasting
2: Stationary Models
ARIMAs
Box-Jenkins methodology
Measuring forecast performance
Business and Management applications
3: Exponential Smoothing
Simple, Holt, Holt-Winters
4: Dynamic regression
Endogenous variables, transfer function
5: Multivariate time series
VAR models, cointegration
6: Garch models
Financial Applications and Risk Management

% end-of-term-examination:	60
% of continuous assessment (assignments, laboratory, practicals...):	40