

## MASTER OF SCIENCE IN STATISTICS (MScSTAT)

### MAITRISE UNIVERSITAIRE EN STATISTIQUE

#### 90 ECTS

MScSTAT	Instructor	ECTS	H/week	Grading Policy
<b>Semester 1 Autumn</b>				
Advanced regression methods	<i>Starica C.</i>	6	2+2	ES
Inferential statistics and test theory	<i>Dauxois J.-Y.</i>	6	2+2	E
Multivariate analysis	<i>De Falguerolles A.</i>	3	2	E
Probability and stochastic processes	<i>Benaïm M.</i>	6	2+2	ES
Seminar of statistical softwares	<i>Matei A.</i>	3	2	CC
Elective courses*		6	4	
<b>Total</b>		<b>30</b>	<b>20</b>	
<b>Semester 2 Spring</b>				
Statistical modelling and design of experiments	<i>Grize Y.</i>	3	2	E
Time series analysis	<i>Starica C.</i>	6	4	CC
Computational statistics	<i>Matei A.</i>	6	4	CC
Generalized linear model	<i>Marazzi A.</i>	3	2	CC
Seminar of applied statistics	<i>Zuber J.</i>	3	2	CC
Statistical learning	<i>Starica C.</i>	3	2	CC
Survey sampling	<i>Tillé Y.</i>	6	2+2	E
<b>Total</b>		<b>30</b>	<b>20</b>	
Master thesis or internship with report		30		R
<b>Grand total</b>		<b>90</b>		

<b>*Elective courses (6 ECTS)</b>				
<i>Probabilistic Algorithms</i>	<i>Stoffel K.</i>	3	2	P ES
<i>Extract, Transform, Load</i>	<i>Stoffel K.</i>	3	2	P ES
<i>Applied Probabilistic Algorithms</i>	<i>Cotofrei P.</i>	3	2	P ES
<i>Data Warehousing</i>	<i>Stoffel K.</i>	6	4	P ES

E = 2-hour final written test during the end-of-semester examination session.

ES = 2-hour final written test during the last lecture of the semester.

CC = continuous assessment eg. 2-hour written within-semester tests the results of which determine the final grade according to a weighting system specified in the course description.

P = essays, experiment reports, projects (with or without defence), oral presentations, etc. the assessment of which determines the final grade according to modalities specified in the course description.

R = essay.

#### Modalités d'inscription et conditions de réussite :

Règlement d'études et d'examens des Maîtrises universitaires en Faculté des sciences économiques, du 27 mai 2008, état en septembre 2009.