



Course Registration

Academic year 2023-2024

MASTER 1 in Econometrics & Statistics International Track Data Science for Social Science - Semesters 1 & 2

EMSAA1

STUDENT NUMBER
(8 digits)

PLEASE WRITE
THE LAST 8 DIGITS OF
YOUR USERNAME AS
SHOWN IN MULTI-
SERVICE CARD

WRITE LEGIBLY in CAPITAL LETTERS

SURNAME

(for women, maiden name)

FIRST NAME

NAME USED (Current Name (for married women or widows))

GENDER :

F

☐

M

☐

DATE OF BIRTH: _____

BIRTHPLACE: _____

ADDRESS: _____

CITY : _____ POST CODE: _____

COUNTRY: _____



French Phone Number : _____



E mail * : _____@ut-capitole.fr

* This email address is the only one used by the administrative services of UT1 (please write your
firstname, surname)

EMSAA1 - Master 1 in Econometrics, Statistics International Track
Data Science for Social Science
Semesters 1 & 2

TEACHING UNITS - SEMESTER 1	ECTS	Tick the box	TEACHING UNITS – SEMESTER 2	ECTS	Tick the box
UE1 : Probability & Statistics for Data Science *	6	<input type="checkbox"/>	UE1 : Foundations of Machine Learning*	6	<input type="checkbox"/>
Softwares for Data Science (R, Python, Julia)*	5	<input type="checkbox"/>	Stochastic Methods for Optimization & Sampling	5	<input type="checkbox"/>
Introduction to Convex Optimization for Machine Learning	5	<input type="checkbox"/>	High Dimensional Data Analysis & Machine Learning	5	<input type="checkbox"/>
UE2 : Intermediate Econometrics * Applied Econometrics *	5	<input type="checkbox"/>	UE2 : Applied Econometrics *	6	<input type="checkbox"/>
UE3 : Optional courses - <u>choose 2 from 6</u> Markov Chains & Applications	2	<input type="checkbox"/>	UE4 : Optional courses - <u>choose 2 from 8</u> Industrial Organisation**	4	<input type="checkbox"/>
Evolution of Economic Behaviour	2	<input type="checkbox"/>	Corporate Finance**	4	<input type="checkbox"/>
Project Management	2	<input type="checkbox"/>	Market Finance**	4	<input type="checkbox"/>
Markets & Incentives: a historical-theoretical perspective	2	<input type="checkbox"/>	Dynamic Optimization	4	<input type="checkbox"/>
Understanding Real World Organisations	2	<input type="checkbox"/>	Martingales Theory & Applications	4	<input type="checkbox"/>
Market Power & Regulation	2	<input type="checkbox"/>	Time Series**	4	<input type="checkbox"/>
			Data Bases**	4	<input type="checkbox"/>
			Program Evaluation	4	<input type="checkbox"/>
UE6 : FLE (French language courses)		<input type="checkbox"/>			
UE7 : Professional Development	2	<input type="checkbox"/>	UE 5 : Internship / Master Thesis *	3	<input type="checkbox"/>

***UE1/UE2 & UE5 : minimum grade 10/20**

****The Masters 2 Directors recommend taking certain options:**

- Time Series for M2 Stat Eco
- Industrial Organization for M2 EMO
- Corporate Finance & Market Finance for M2 Finance
- Time Series for M2 EEE

You will have the opportunity to change your options at the beginning of each semester. Details will be communicated at a later date.

This learning agreement should be completed, dated and signed by the student who undertakes:

- *to notify the staff of any changes during the respective periods as notified on the notice board*
- *to read and take heed of the exam Charter of UTC*

Date :

Signature :

Information will be given at the beginning of each semester. According the schedule, some pairs of electives may be incompatible