

Master of Science in Statistics

Welcome session
September 2023

GENEVA SCHOOL OF ECONOMICS
AND MANAGEMENT
Research Center for Statistics



UNIVERSITÉ
DE GENÈVE

UNIGE grading scale and information on exams

- ❖ UNIGE grading scale is based on 6.00 (0.00 to 6.00 with 1/4 of point, for example: 3.50, 4.00, 4.25 etc);
- ❖ **4.00** is the minimum grade to obtain (ECTS) credits;
- ❖ If you obtain the minimum grade of 4.00, you can not retake the exam to improve your grade;
- ❖ For grades between 3.00 and 3.75 (including the extrema), you have the possibility to **validate up to 9 (ECTS) credits maximum** (10% of the degree);
- ❖ There are three exam sessions: January/February, May/June and August/September.

Co-requisite courses

- ❖ Some students have to complete and succeed in some complementary courses (so-called *co-requisite*) in addition to the courses in the master curriculum;
- ❖ **To pass each co-requisite course, you need to obtain at least the minimum grade 4.00 by August/September of your 1st year;**
- ❖ You should register to the co-requisite courses directly on student intranet - link found on page <https://www.unige.ch/gsem/en/students/forms/> Remark - you cannot register to these courses on your student portal.
- ❖ The co-requisite courses provide lawful credits.
- ❖ Remark: to complete the Master, you need to achieve 12 (ECTS) credits by the end of the 1st semester and 30 (ECTS) credits by the end of your 1st year.

RULES - Conditions for success

- ❖ **By the end of your first semester of study:** you need a minimum of 12 (ECTS) credits in order to continue the Master cursus and avoid to be sidelined from the Master program (*art 19 al.1a* of the Regulation of GSEM);
- ❖ **By the end of your first year of study:** you need a minimum of 30 (ECTS) credits (*art. 19 al.1b* of the Regulation of GSEM);
- ❖ **As soon as you can**, you need to define a **master thesis project** through informal contacts with the master program's teachers
- ❖ **No later than the end of the fourth semester (end of retake exam session in August/September) :** The project must be approved by the master thesis director(s) and, if necessary, the internship supervisor. The project is then submitted to the Master in Statistics Scientific Committee for approval (by email to the program director, with the master thesis director copied in).
- ❖ **The fifth semester of study** is the latest deadline to obtain the 90 (ECTS) credits required (see *art 8 al. 2* of the Regulation of GSEM).

For additional info look at:

<https://www.unige.ch/gsem/en/students/regulations/bachelor-master/masters/>

RULES - Examination attempts

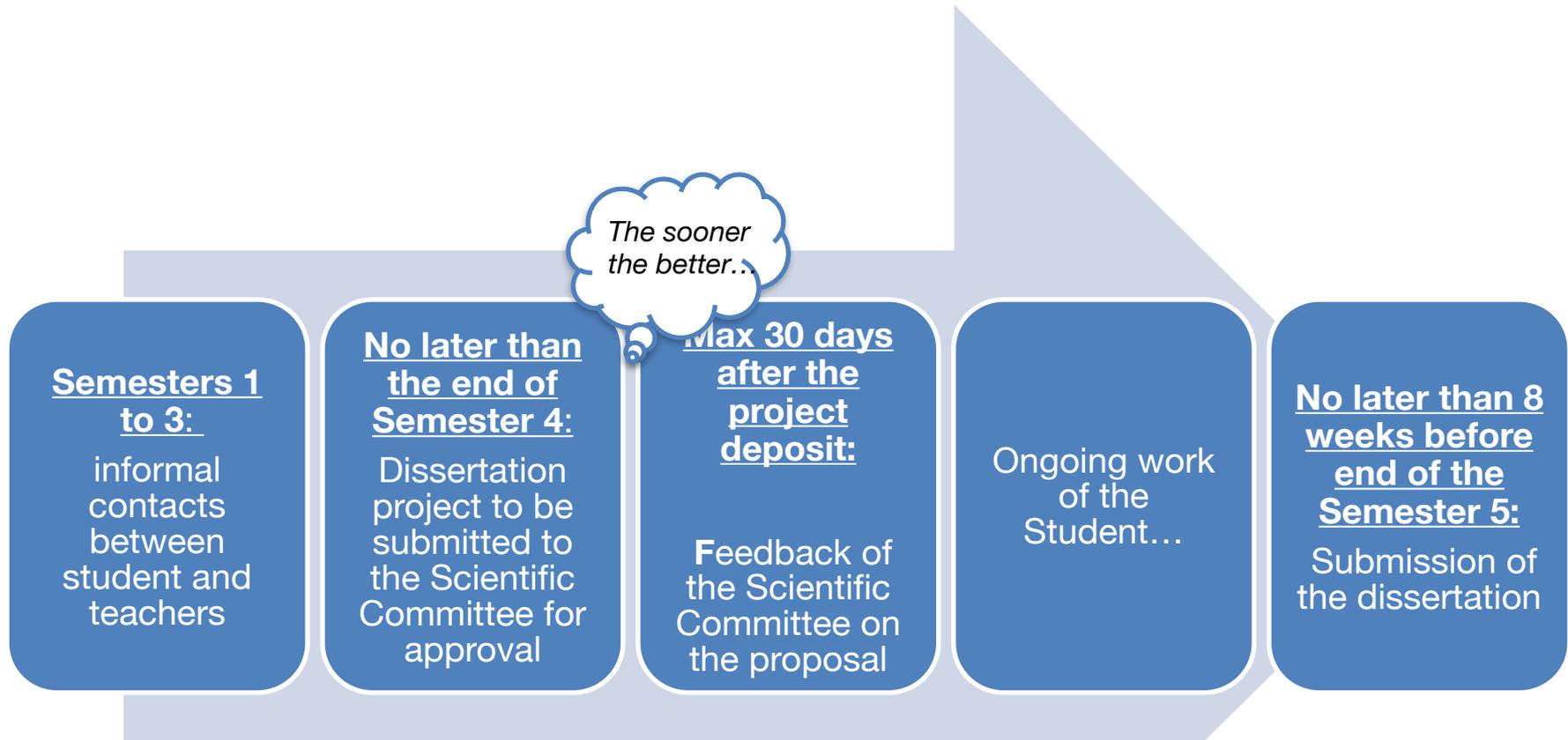
❖ **Mandatory courses: 2 attempts maximum**

1 registration = 2 attempts

❖ **Elective courses : 4 attempts maximum**

2 registrations = 4 attempts

Master thesis – timeline overview



Reference documents :

- Regulation of Master programs (art. 17)
- Study plan 23-24
- Application directives
- Master thesis Guidelines



	Monday	Tuesday	Wednesday	Thursday	Friday					
8h - 10h	S411014SE Linear Models for Dependent Data Assistant-es M S030	S201008CR Statistical Modelling Prof. Cantoni M S130	S403107SE The Statistical Analysis of Time Series Assistant-es M R160 / M 5290	S210016SE Statistics Assistant-es M R290	S203039CR Numerical Methods Dr Roko M 2193	S210016SE Statistics Assistant-es M 1170				
10h - 12h	S411028CR Fundamental and Advanced Sampling Techniques Dr Renfer M S040	751518 Modèles multineiveaux Dr Chanal M 5220	S403109CR Advanced Statistical Inference Prof. La Vecchia M 5050	S110001SE Mathematics I Assistant-es M S160	S203031CR Probability & Statistical Learning Prof. Cantoni M 2130	S413056CR Financial Econometrics Prof. Scaillet M R170	S411002CS Research Seminar in Statistics 11h15-13h00 M 5220	S110001CR Mathematics I Prof. Mueller U 300	S403106CR Econometrics I Prof. Hazard M R290	
12h - 14h	S413054SE Stochastic Processes in Finance Assistant-es M 1170	S413056CR Financial Econometrics Prof. Scaillet SCIII 0019		S203031SE Probability & Statistical Learning Assistant-es M S030						
14h - 16h	S201008TP Statistical Modelling Assistant-es M 5290	S411028CR Fundamental and Advanced Sampling Techniques Dr Renfer M 4050	S210016CR Statistics Prof Chavez M R080	S411014CR Linear Models for Dependent Data Dr. Zhang/Dr Burtica Borda M R040	S403109SE Advanced Statistical Inference Assistant-es M 5393	S203039SE Numerical Methods Dr Roko Pavillon Ansermet 119	S403107CR The Statistical Analysis of Time Series Prof. La Vecchia M 3220	S413054SE Stochastic Processes in Finance Assistant-es M 1193	S110001SE Mathematics I Assistant-es M S160	S403106CR Econometrics I Assistant-es M R150
16h - 18h		S403011CR Machine Learning Prof. Engelke M R030	S413056SE Financial Econometrics Assistant-es M R040	S413054CR Stochastic Processes in Finance Dr Oiton M S040	S403011SE Machine Learning Assistant-es SCIII – 1S081					
18h - 20h										





Spring 2024 timetable

MSc. in Statistics 2023/2024

Spring 2024

	Monday	Tuesday	Wednesday	Thursday	Friday
8h - 10h	S411004CR Applied Bayesian Statistics Assistant-es Dr Tavakoli M 2193	13X011CR Data Mining Prof. Kalousis Bat A/316-318	S411021SE Advanced Topics in Machine Learning Assistant-es M 5020	751515CR Introduction à la planification & l'analyse des cas uniques Dr Tipura M 2170	S401016CR Analytics Consulting Prof. Kuonen 8h -11h M R160
10h - 12h		13X011EX Data Mining Prof. Kalousis Bat A/salles PC 322-323	751517CR Modèles à equations structurales Pr Ghisletta M 1150	12X003EX Concepts et langages orientés objets Assistant-es Bat A/salles PC 314-315	S411002CS Research Seminar In Statistics 11-13h M 4220
12h - 14h	S411015SE Multivariate Analysis Assistant-es M 2170	S411001CR Modern Flexible Regression Prof. Cantoni M S040	S411001SE Modern Flexible Regression Assistant-es M5290 salle info	S411004CR Applied Bayesian Statistics Dr Tavakoli M S040	751515CR Introduction à la planification & l'analyse des cas uniques Dr Tipura M S130
14h - 16h	S403116CR Data Driven Impact Evaluation Prof. Sperlich M 5220	S411015CR Multivariate Analysis Dr Tavakoli M 4020	S411008CR Experimental Design: Theory and Practice Dr Rytz Salle 102 - Maraîchers		
16h - 18h	S403116SE Data Driven Impact Evaluation Assistant-es M 5220	12X003 Concepts et langages orientés objets Dr Falcone Bat A/404	S411021CR Advanced Topics in Machine Learning Prof. Engelke M 4020	S411008SE Experimental Design: Theory and Practice Dr Rytz Salle 102 - Maraîchers	

Schedule for the course "Workshop: Practice of Sustainable Human Development" (T406008): <https://hs-geneva.ch/main/study-plans/year=2023&lang=14460>
Programme des cours: [L1](#) [L2](#) [L3](#) [L4](#) [L5](#) [L6](#) [L7](#) [L8](#) [L9](#) [L10](#) [L11](#) [L12](#) [L13](#) [L14](#) [L15](#) [L16](#) [L17](#) [L18](#) [L19](#) [L20](#) [L21](#) [L22](#) [L23](#) [L24](#) [L25](#) [L26](#) [L27](#) [L28](#) [L29](#) [L30](#) [L31](#) [L32](#) [L33](#) [L34](#) [L35](#) [L36](#) [L37](#) [L38](#) [L39](#) [L40](#) [L41](#) [L42](#) [L43](#) [L44](#) [L45](#) [L46](#) [L47](#) [L48](#) [L49](#) [L50](#) [L51](#) [L52](#) [L53](#) [L54](#) [L55](#) [L56](#) [L57](#) [L58](#) [L59](#) [L60](#) [L61](#) [L62](#) [L63](#) [L64](#) [L65](#) [L66](#) [L67](#) [L68](#) [L69](#) [L70](#) [L71](#) [L72](#) [L73](#) [L74](#) [L75](#) [L76](#) [L77](#) [L78](#) [L79](#) [L80](#) [L81](#) [L82](#) [L83](#) [L84](#) [L85](#) [L86](#) [L87](#) [L88](#) [L89](#) [L90](#) [L91](#) [L92](#) [L93](#) [L94](#) [L95](#) [L96](#) [L97](#) [L98](#) [L99](#) [L100](#)



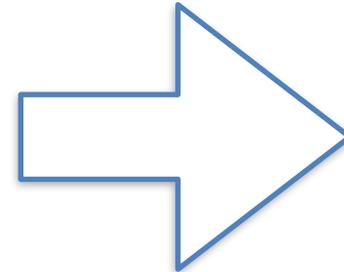
Some remarks

1. Machine Learning becomes compulsory from this year on (Fall semester)

2. Seminar series no longer compulsory, but *highly recommended*

3. You have 18 ECTS for elective courses:

- Mathematically (theory and methods) oriented
- Application oriented
- From other faculties and/or Universities ...
- At the RCS: I draw your attention to **F.A.S.T.** (OFS external lecturers) which has a new format and syllabus, with topics related to the use of ML techniques in official statistics. This is connected to the course “**Experimental Design: theory and practice**” (Nestlé external lecturer)



Ask the
Scientific
Committee

4. Consider wisely the load of your semester.

NEED HELP ?

Contact **Karine Rama**

By email : gsem-statistics@unige.ch

or at GSEM Student Services
Uni Mail – 3rd floor