

DESCRIPTION OF ELECTIVE COURSE

Name of the school : Haute école de gestion de Genève	Academic Year: 2024-2025
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FIRST PART: DESCRIPTION OF MODULE	
1. Domain	Business and Services
2. Department	International Business Management
3. Course name	The Energy Transition
4. Code	31015
5. Type of education	☒ Bachelor ☐ Master ☐ MAS ☐ ☐ DAS / CAS / single days
6. Number of ECTS Credits	5
7. Prerequisites	☒ Validation of the modules in semesters 1 and 2 ☒ Attendance of the modules in semesters 3 and 4 for full-time students, and semesters 5 and 6 for part-time students ☐
8. Teaching language	☐ French ☐ German ☒ English ☐ Other:
9. Objectives	<i>“Carbon Neutral”, “Net Zero Emissions” and “Climate Positive” are some of the terms being used and promised in relation to the current Energy Transition. What does this significant structural change in the energy system mean for Commodity Trading in the future?</i> This course aims to introduce students to the impact of the transition away from fossil fuel-based energy on Commodity Trading. What are the different strategies of Commodity Trading companies in relation to their decarbonization goals? Regulation is driving a large proportion of the advances in decreasing emissions. This course examines the different policies, taxes, and subsidizes being used, in addition to the market-based approach of Emission trading schemes. Students will learn how to assess the feasibility of new methodologies to reduce emissions and to understand how to apply technology S-Curves in building out long term supply and demand economics. The application of fundamental analysis is key to understanding the key drivers of the Energy Transition.

10. Contents (General themes and descriptions, the accurate content may change)	• Global Emissions Trading Markets • Global Electricity Markets • New Technologies • Storage • Global Emissions Trading Markets ◦ Regulatory & Compliance Markets ◦ Voluntary Carbon Market • The role of Hydrogen • The role of Environmental, Social & Governance (ESG) • Guidelines and standards for Targets (SBTI, VCMI, GHG Protocol) • Instruments & Tools for meeting emission targets (PPAs, GoG, RECs) • An internal Carbon Price.
11. Evaluation	The grading of the module shall be based on: • A written exam in week 15 of the semester; and/or • Mid-term assessments during weeks 1 to 14 according to the decision of the instructor. (The methods & weightings are communicated by the instructor before the evaluations).
12. Remediation/repetition	☒ Compulsory remediation if the module grade is between 3.5 and 3.9 / 6. When subject to a remediation, only the grade of the remedial exam will be taken into account (maximum grade 4.0). A repeated module cannot benefit from a remedial exam. ☐ No remediation
13. Coordinator / main instructor	Julie Noller
SECOND PART: LOCATION OF THE MODULE IN THE STUDY PLAN	
14. Level	☐ Basic module ☐ Advanced module ☒ Specialized module ☐ Other:
15. Characteristics	☒ Module is mandatory (which could lead to final dismissal from the program, cf. art.15, al.1, « Statut des étudiant-e-s bachelor »)
16. Type	☒ Main module ☐ Module linked to main module ☐ Optional module ☐ Other:
17. Time organization	☒ Module over 1 semester ☐ Module over 2 semesters ☐ Spring semester ☐ Fall semester ☐ Other