Summary
This course examines growth from various angles: population growth, economic growth, growth in the use of resources, growing inequality, need for growth, limits to growth, sustainable growth. Although grounded in economics, it takes up elements from many other disciplines.

Content
Economic elements
Sustainable development
Economic growth
Demographic growth
Sustainability policy
Special topics

Keywords
Sustainable development, demography, economy, growth, environment

POLY-perspective:
• interdisciplinary perspective
• global perspective

https://www.epfl.ch/schools/cdh/cdhs-vision/

Learning Outcomes
By the end of the course, the student must be able to:
• Critique theories and proposals related to economic growth and sustainable development
• Reason on social and economic issues
• Explain the relationships between economic, demographic and environmental variables
• Compute growth rates and the links between growth rates
• Differentiate between scientific and propaganda arguments
• Restate concepts and mechanisms seen in class

Transversal skills
• Plan and carry out activities in a way which makes optimal use of available time and other resources.
• Set objectives and design an action plan to reach those objectives.
• Communicate effectively with professionals from other disciplines.
• Access and evaluate appropriate sources of information.

Teaching methods
Ex cathedra lectures, but active participation is expected. In-depth teaching and educational support.

Assessment methods
Intermediate exam (1/2 of grade) and final exam (1/2 of grade)

Supervision
Office hours No
Assistants Yes
Forum Yes

Resources
Bibliography
Bartelmus, Peter (2008), Quantitative Economics. How Sustainable Are Our Economies?, Springer

Ressources en bibliothèque
• Quantitative eco-nomics / Bartelmus
• The shock of the Anthropocene / Bonneuil
• L'événement Anthropocène / Bonneuil
• Économie des ressources naturelles et de l'environnement / Faucheux
• Prosperity without growth / Jackson
• Prospérité sans croissance / Jackson
• Sustainable development / Strange
• Sustainable development [online] / Strange
• Le développement durable / Strange
• Le développement durable [en ligne] / Strange

Prerequisite for
HUM-470 Economic growth and sustainability II