The informal interview, in English, will be based on the following topics, whose knowledge is considered relevant to successfully follow the Master program:

Fundamentals of mathematics, physics and informatics
Vector and matrix algebra
Elementary functions (exponential, trigonometric functions, …)
Integral calculus and differential calculus
Differential operators (gradient, curl, …)
Simple differential equations (e.g. harmonic oscillator, friction, ..)

Newton Laws
Energy conservation
Maxwell equations
I and II principles of Thermodynamics
Equation of state for gas and liquids

Knowledge of programming languages (python, fortran, C++, Matlab, Mathematica, R, …)

Additional topics
Basic concepts of fluid dynamics
Atomic and molecular structure
Descriptive statistics and probability theory
Components of global hydrological cycle.
Role of climate in shaping communities and ecosystems
Climate change effects on terrestrial and marine ecosystems
Water resources and climate change
Elements of Physical Geography and Geomorphology

Suggested readings:
Any textbook on classical physics and basic algebra and analysis for the first block of topics
For the second one: Barry and Hall-McKim, Essentials of the Earth's Climate System, Cambridge University Press, 2014, pp. 271.