Two of the courses above (6 ec each, except indicated otherwise) must be followed during each period except for period 3 (only one course).

Part of the (predominantly first years) courses make also part of the Education and Communication specialization.
* the numbers in brackets refer to the different streams:
  Stream E&C 1: Climate dynamics and Earth System Modeling
  Stream E&C 2: Paleoceanography and Biogeochemical Cycles
  Stream E&C 3: Earth surface dynamics
  Stream E&C 4: Remote Sensing and Spatial Analysis
  Stream G&G and E&C 5: Sedimentology and Stratigraphy (together with G&G)

**: the thesis should be written in a research proposal, scientific article or policy paper format, depending on the student’s career perspective.
part of the (predominantly first years) courses make also part of the Education and Communication specialization

* the numbers in brackets refer to the different streams:
  Stream GEC&P 1: Energy
  Stream GEC&P 2: Ecosystems Services
  Stream GEC&P 3: Water

**: the thesis should be written in a research proposal, scientific article or policy paper format, depending on the student’s career perspective.