Mineral and Energy Resources (Domain H)
[Note: Examples given below are descriptive only and are not all-inclusive lists of items]

H-1. Ore/mineral systems and principles
  H-1.1 Ore minerals and their economic use(s)
  H-1.2 Mineral system/ore formation processes
    H-1.2.1 Magmatic (e.g., disseminated deposits, vein/lode deposits, sulfide deposits, pegmatites, kimberlites, carbonatites)
    H-1.2.2 Hydrothermal deposits (e.g., porphyry, volcanogenic massive sulfide, epigenic, geothermal brines)
    H-1.2.3 Sedimentary ore deposits (e.g., placer, banded iron formations [BIF], evaporites, laterites, phosphorites)
    H-1.2.4 Metamorphic deposits (e.g., skarn)
    H-1.2.5 Meteoric/Groundwater (e.g., U-V roll front deposits)

H-2. Geologic energy resources
  H-2.1 Coal deposits
  H-2.2 Oil and natural gas reservoirs
    H-2.2.1 Traditional systems
    H-2.2.2 Unconventional systems
  H-2.3 Geothermal energy
  H-2.4 Nuclear energy (e.g., uranium mineral systems)

H-3. Prospecting/exploration techniques
  H-3.1 Geophysical (e.g., resistivity, gravity, seismic refraction/reflection, magnetic susceptibility, aeromagnetic surveys)
  H-3.2 Geochemical (e.g., soil, rock, groundwater/surface water sampling)
  H-3.3 Drilling techniques (e.g., air/mud rotary, reverse circulation, diamond core)
  H-3.4 Remote sensing and GIS (e.g., geologic maps, aerial imagery/photography, lidar,hyperspectral/multispectral imaging)
  H-3.5 Petrophysical (e.g., bulk, grain, texture)
  H-3.6 Analytical methods (e.g., fire assay, atomic absorption spectroscopy, inductively coupled plasma, x-ray fluorescence, microprobe)
  H-3.7 Geostatistical analysis approaches – spatial modeling (PG)

H-4. Development techniques
  H-4.1 Resource and reserve assessments
  H-4.2 Quality and quantity evaluation
  H-4.3 Economic evaluation (e.g., cutoff grade)
  H-4.4. Mining methods
    H-4.4.1 Surface methods
    H-4.4.2 Underground methods
H-5. Environmental, health, safety, and security
   H-5.1 Geological aspects that affect human health and environment
   H-5.2 Extraction techniques
   H-5.3 Waste management

H-6. Reclamation and restoration

H-7. Project planning (PG Only):
   E-7.1 Scope of work and cost estimate
   E-7.2 Literature and regulatory review
   E-7.3 Site-specific maps and health & safety plan
   E-7.4 Site-specific data