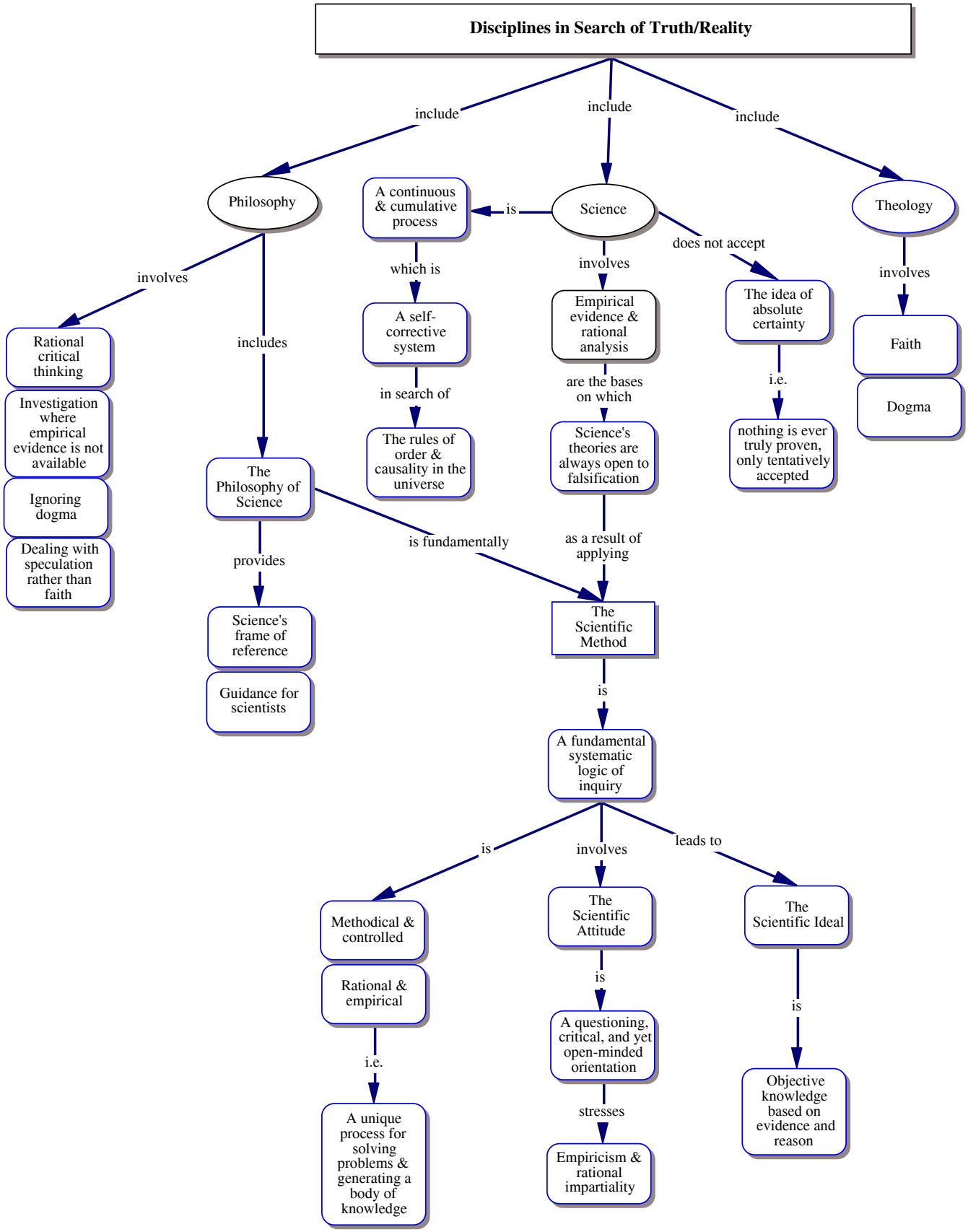
Disciplines in Search of Truth/Reality
include
include
include
Philosophy
A continuous & cumulative process
is
Science
Theology
involves
which is
involves
does not accept
involves
Rational critical thinking
Investigation where empirical evidence is not available
Ignoring dogma
Dealing with speculation rather than faith
includes
A self-corrective system
in search of
The rules of order & causality in the universe
Empirical evidence & rational analysis
are the bases on which
Science's theories are always open to falsification
The idea of absolute certainty
i.e.
nothing is ever truly proven, only tentatively accepted
Faith
Dogma
The Philosophy of Science
provides
Science's frame of reference
Guidance for scientists
is fundamentally
as a result of applying
The Scientific Method
is
A fundamental systematic logic of inquiry
is
involves
leads to
Methodical & controlled
Rational & empirical
i.e.
A unique process for solving problems & generating a body of knowledge
The Scientific Attitude
is
A questioning, critical, and yet open-minded orientation
stresses
Empiricism & rational impartiality
The Scientific Ideal
is
Objective knowledge based on evidence and reason