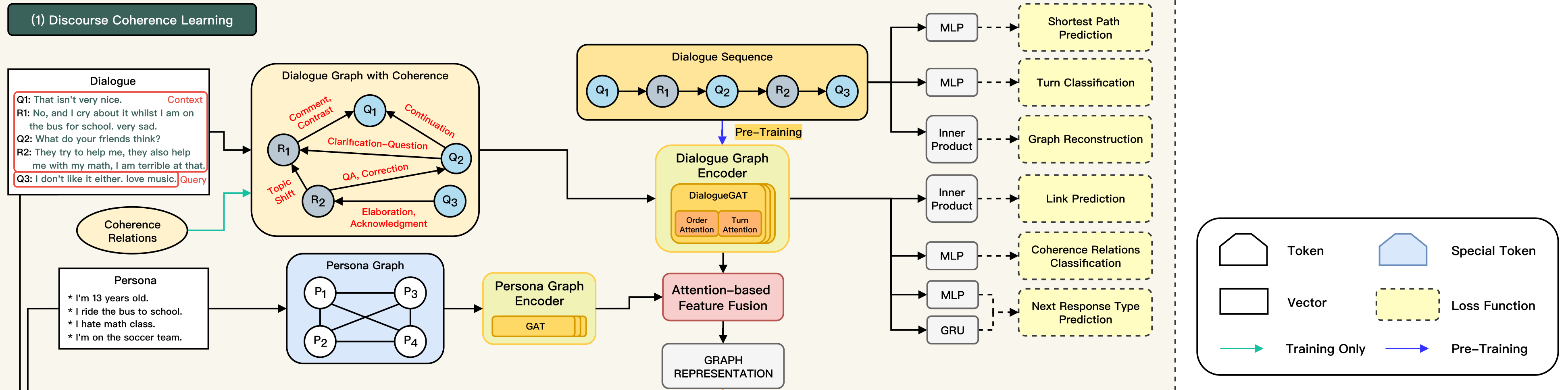
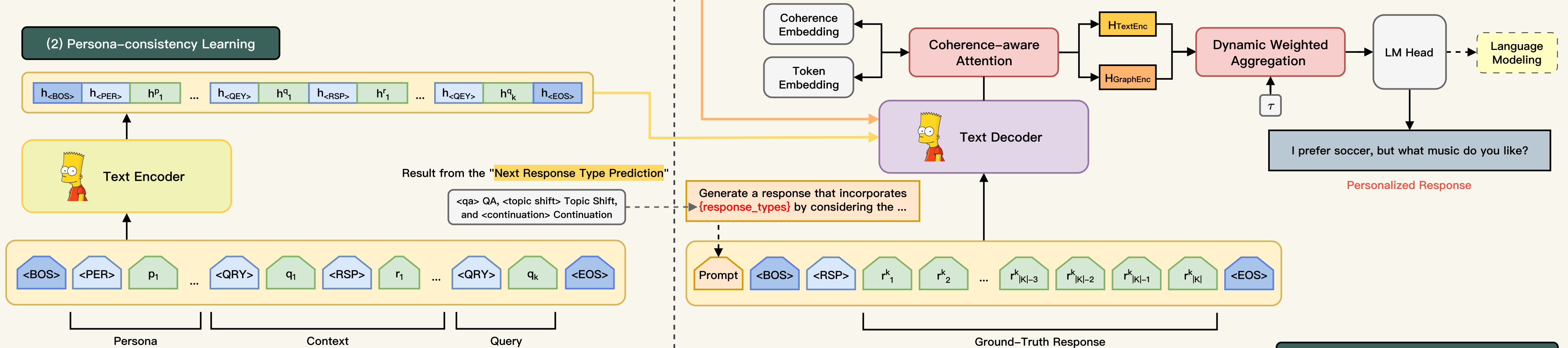


## (1) Discourse Coherence Learning



## (2) Persona-consistency Learning



## (3) Personalized Response Generation