

Modeling and Programming of Embedded Systems

Charles ANDRE

[//www.i3s.unice.fr/~andre](http://www.i3s.unice.fr/~andre)

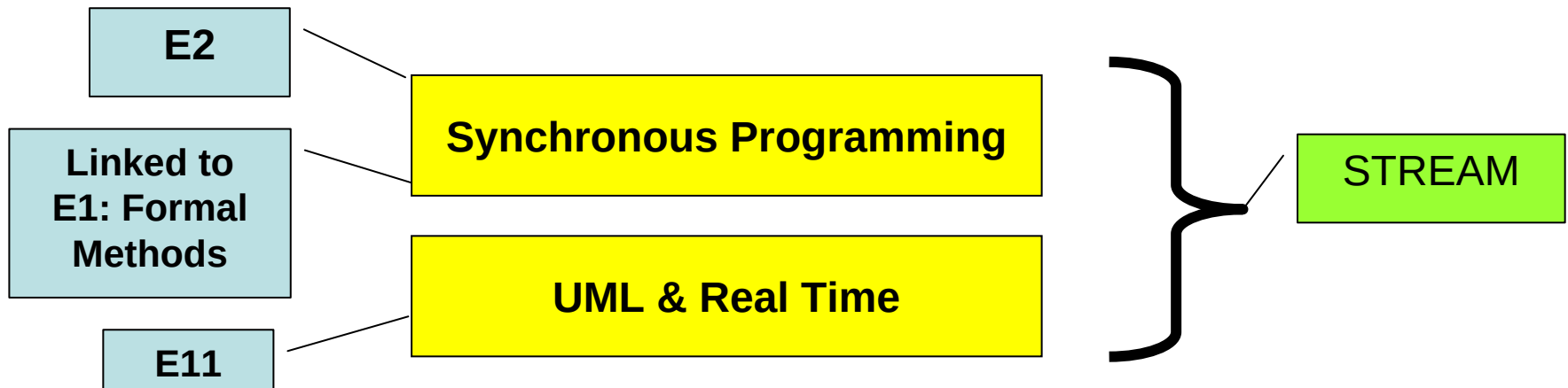
Elsewhere named as ...

- Title on the web page:
“Design and Validation of Critical Systems”

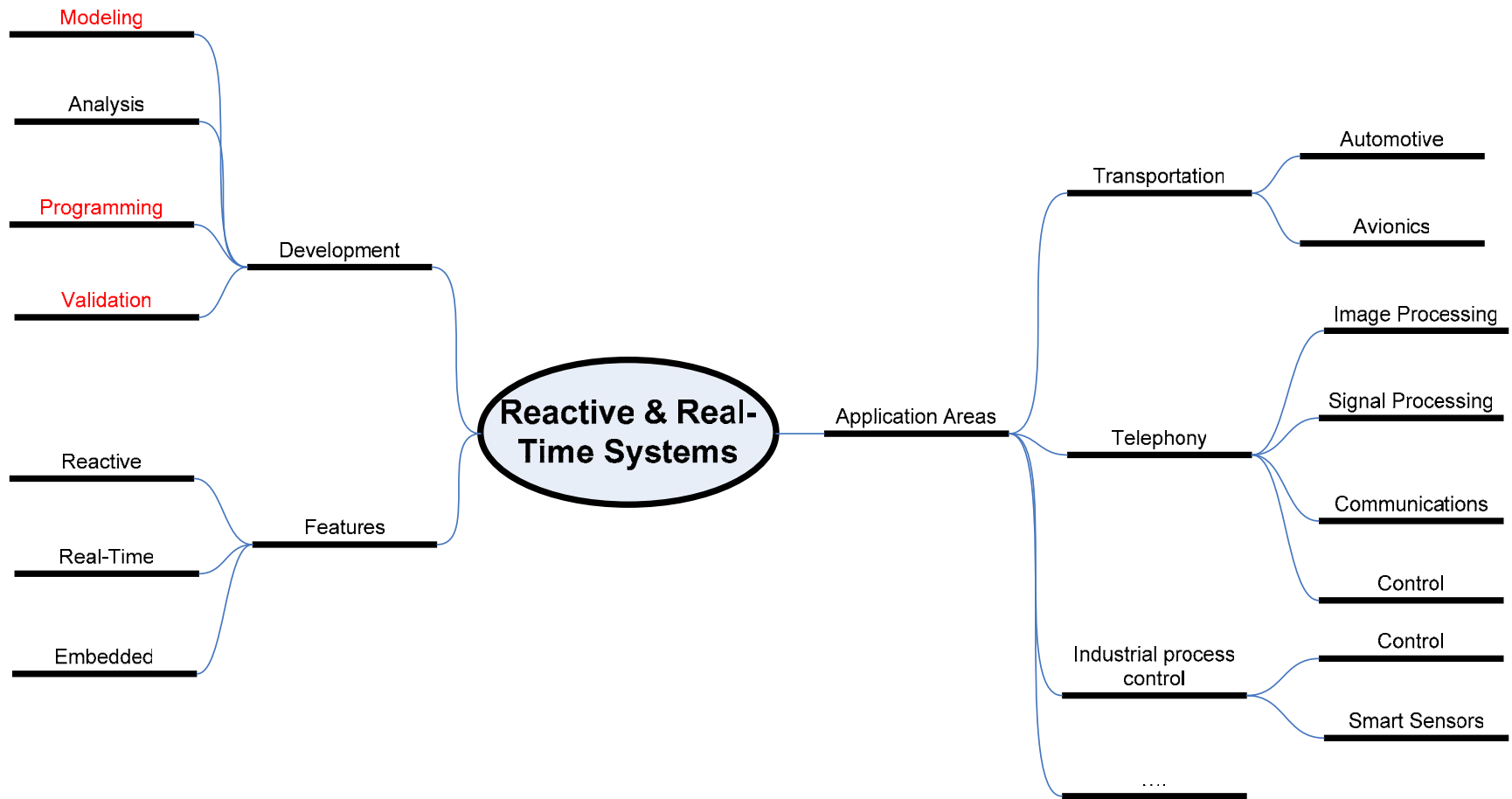
I choose a better title that lays stress on
Modeling and **Programming**.

Documents

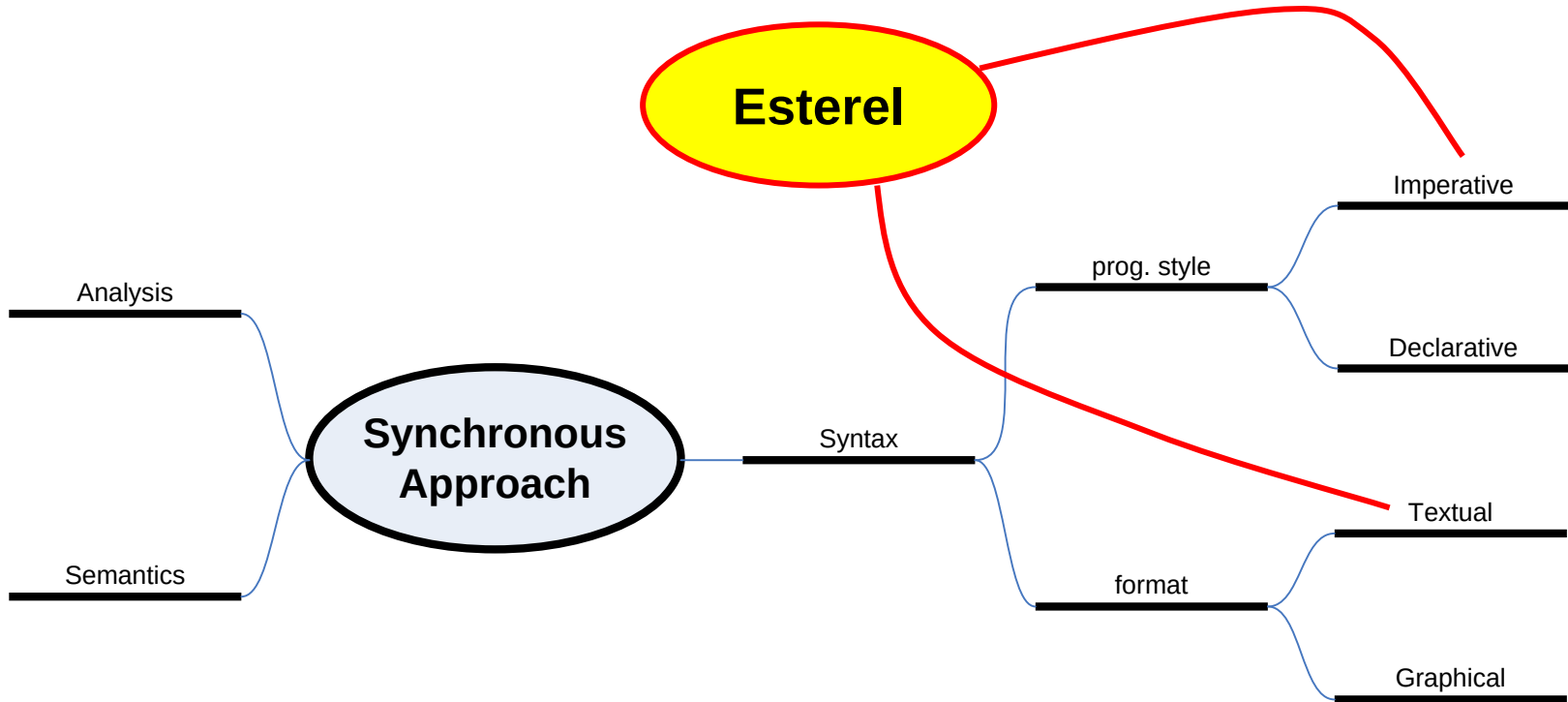
- Shared lectures:
 - Module **STREAM 7** (SI 3)
 - Module **E2** : Synchronous Reactive Approach (Master2: Embedded Systems)
- Generally in English



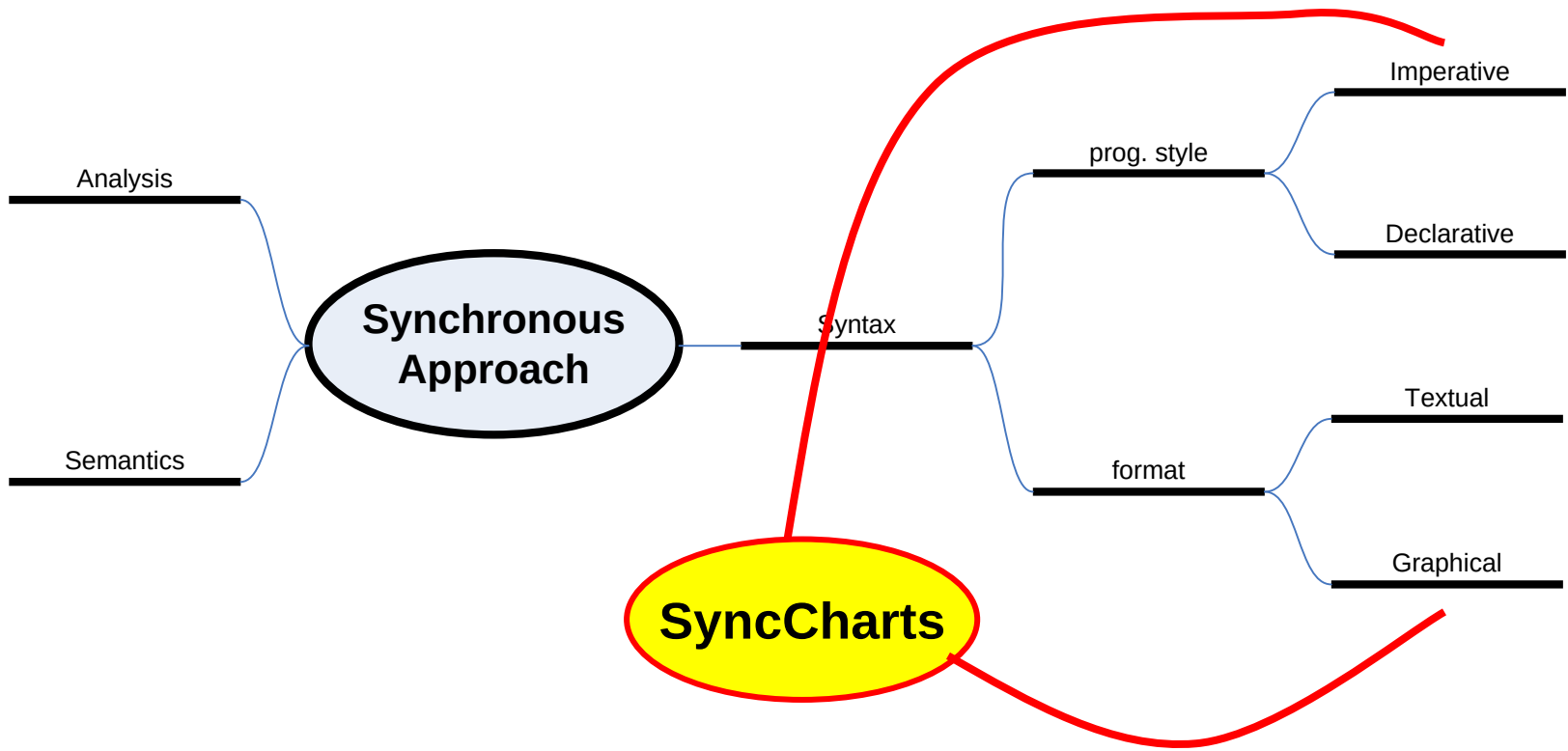
Reactive & Real-Time Systems



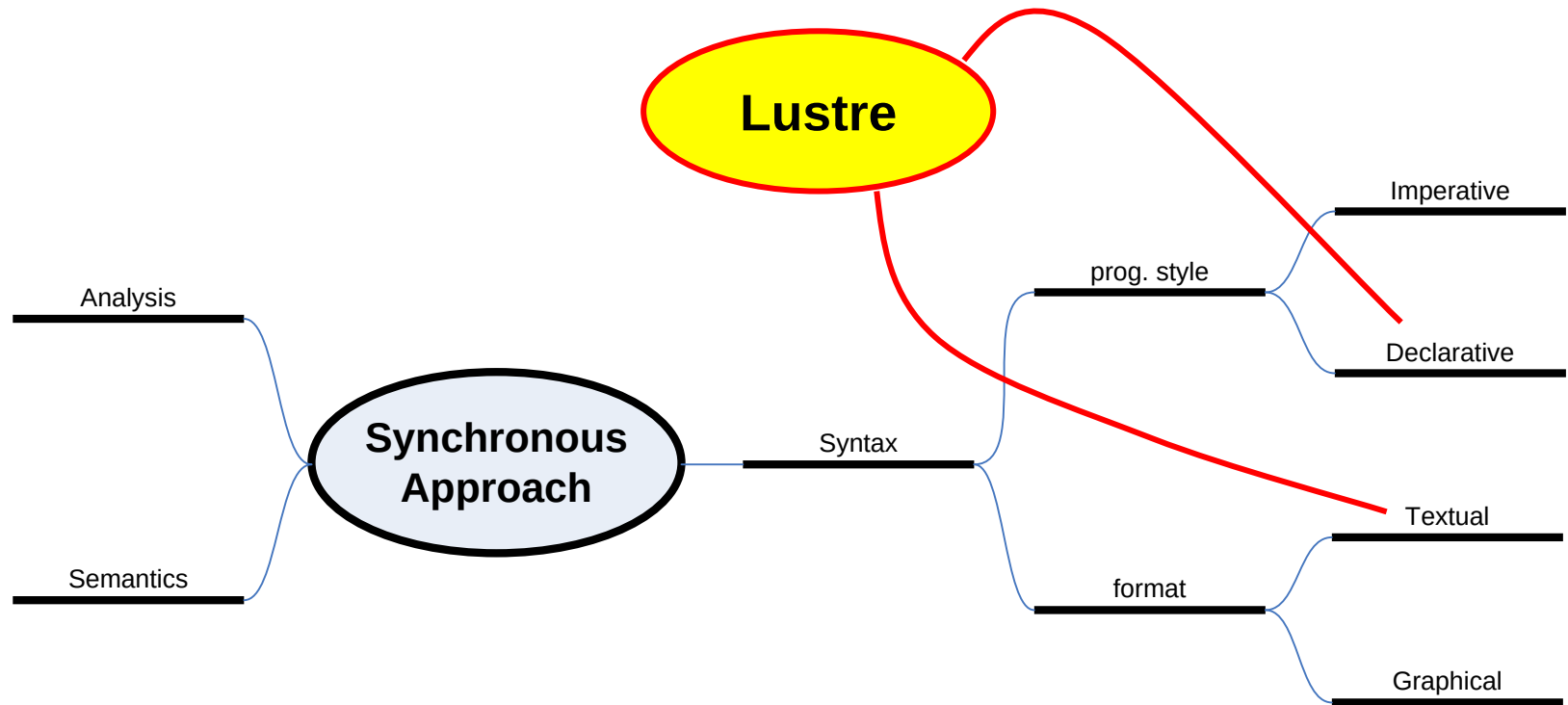
Synchronous Approach to Reactive System Programming



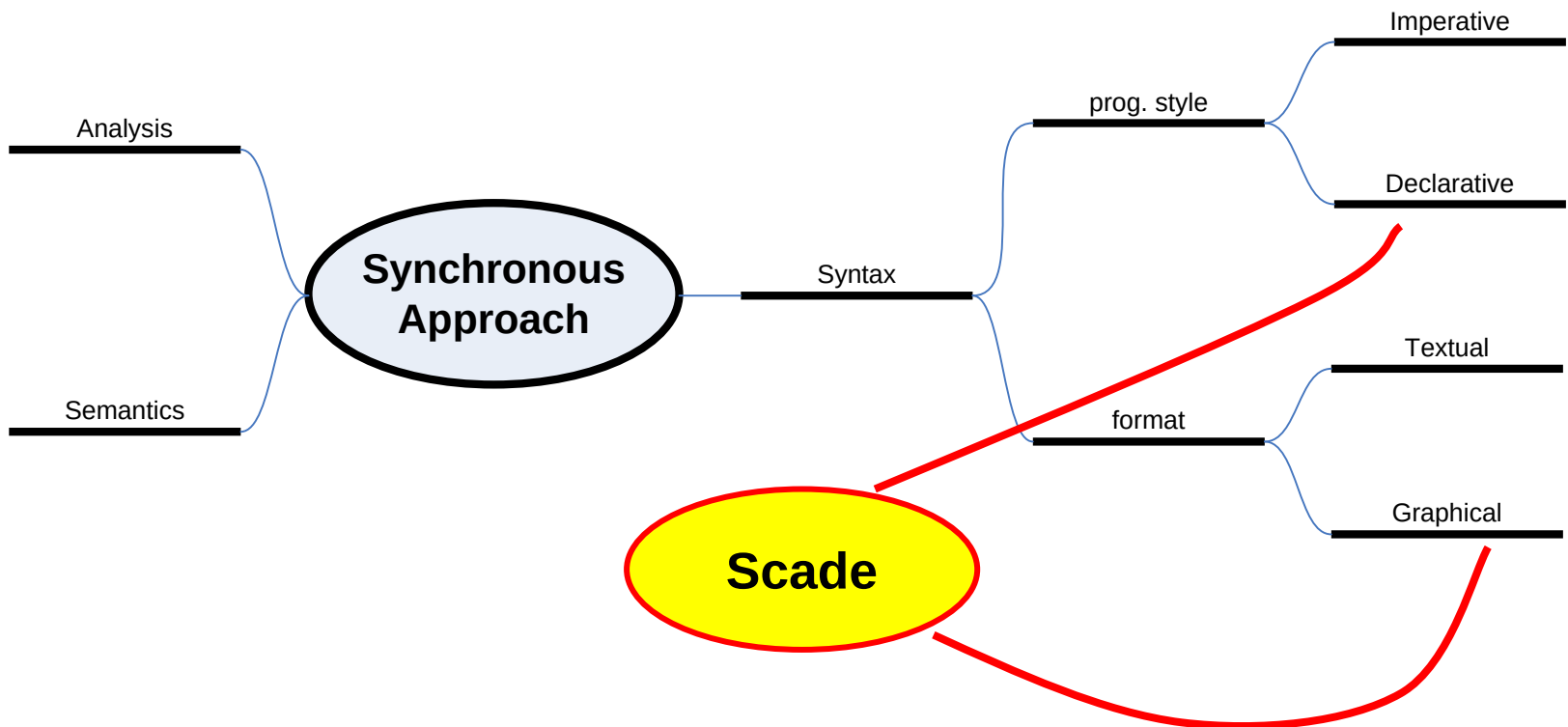
Synchronous Approach to Reactive System Programming



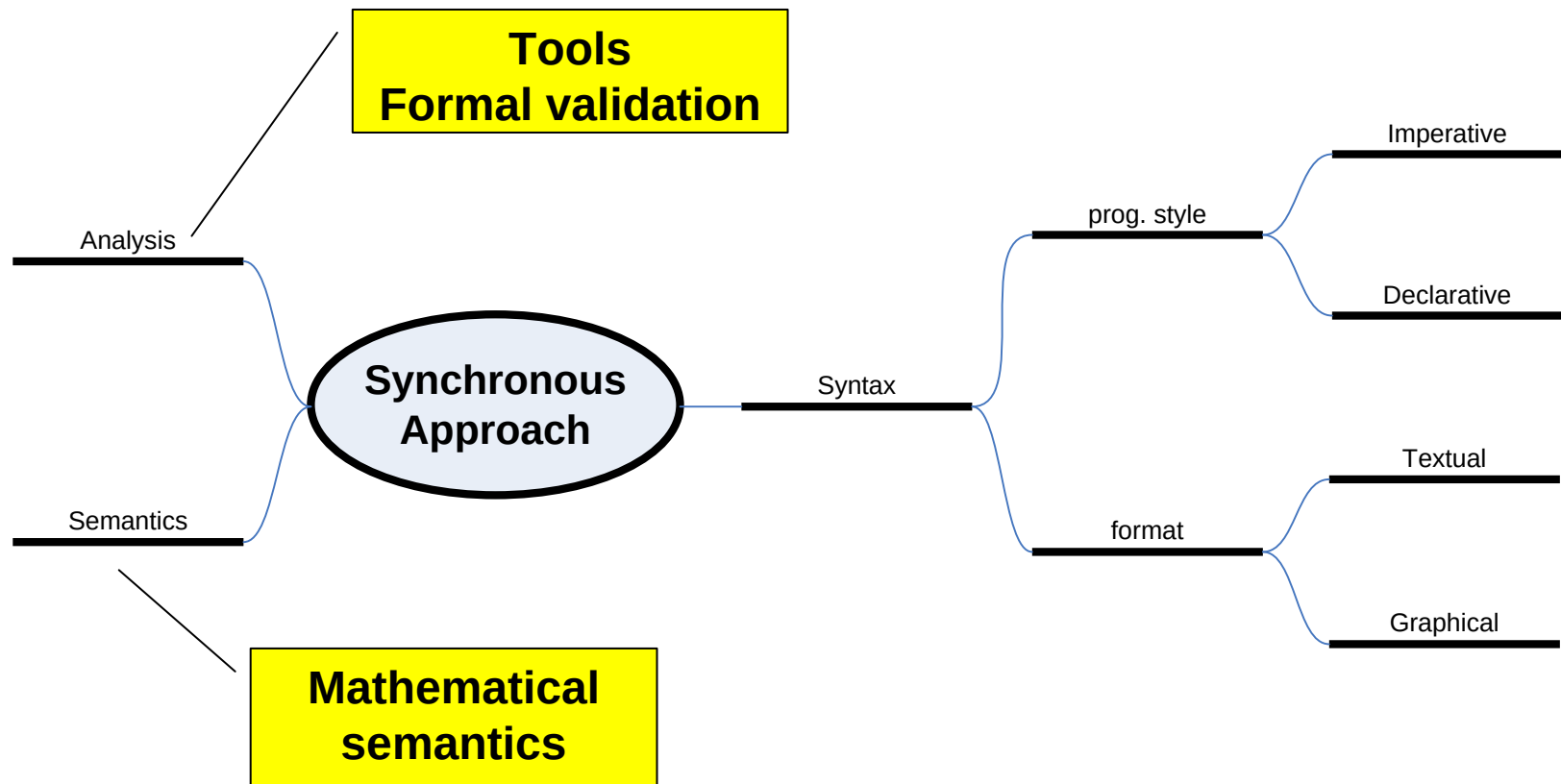
Synchronous Approach to Reactive System Programming



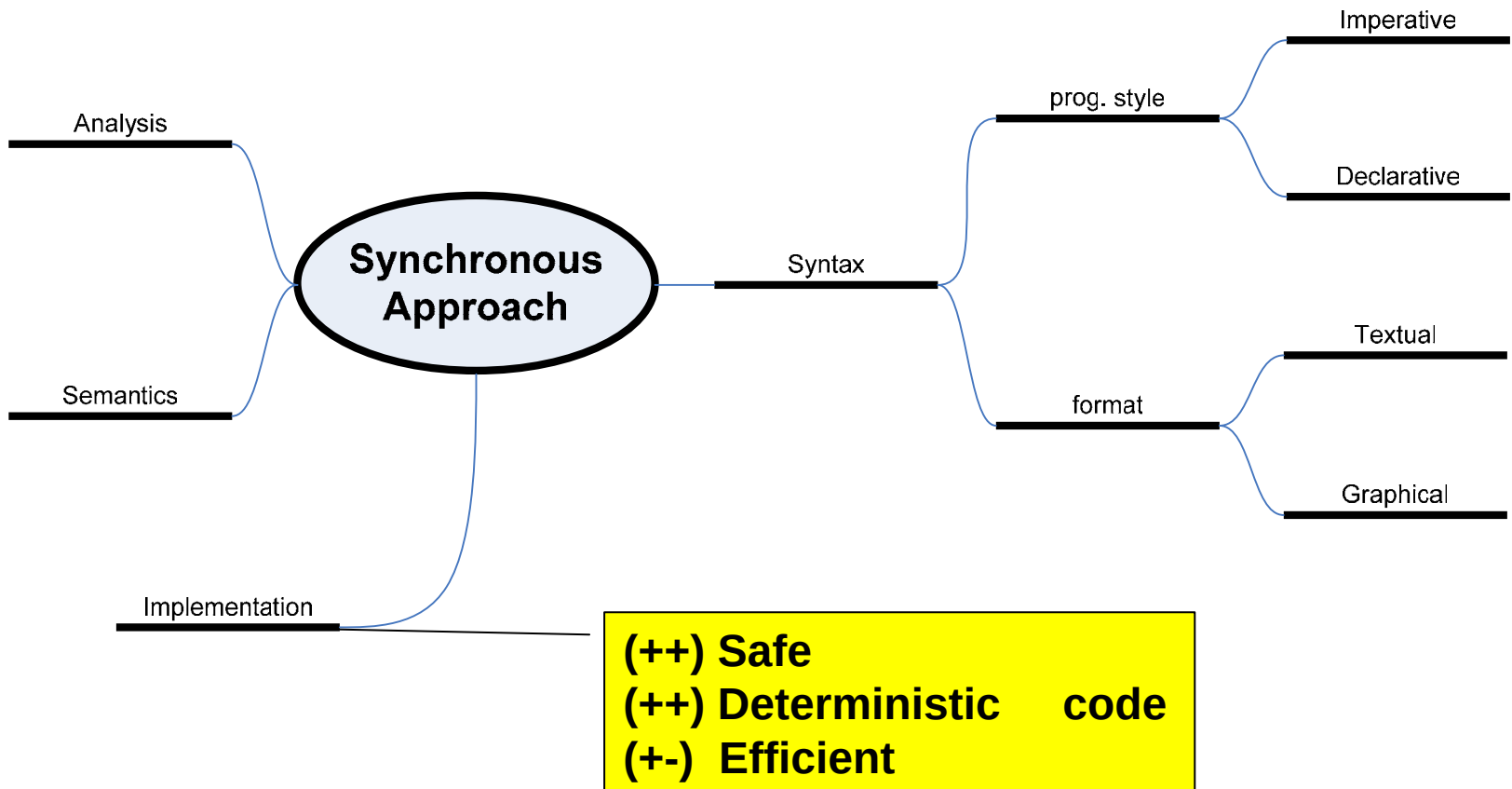
Synchronous Approach to Reactive System Programming



Synchronous Approach to Reactive System Programming



Synchronous Approach to Reactive System Programming



Part II: UML and Real-Time

- Objects and Real-Time
- UML 2.0
 - Diagrams used in RTS
 - Profiles
- Real-Time UML