

**EBO-1006**  
**PLANT EMBRYOLOGY**

**Unit-I**

- Megasporangium:
  - Ovule structure,
  - Megasporogenesis,
  - Female gametophytes-ultra structure
  - Types of embryo sac
- Pollination:
  - Anther structure,
  - Anther dehiscence,
  - Pollen transfer ( self and cross pollination)
- Fertilization :
  - Pollen germination and tube growth (*in vivo & in vitro*)

**Unit-II**

- Pollen-pistil interaction:
  - General information
  - Self- incompatibility
  - Genetic basis,
  - Physiology and biochemistry,
  - Significance
- Apomixis
- Classification and dispersal of seed