GENERAL BOTANY Lecture 22 - Life Cycle of Flowering Plants

- L Generalized life cycle
 - A. Life cycle from before: cell division growth DNA duplication prep. for division division
 - B. Sporic life cycle: alternation of generations sporophyte (plant) & gametophyte (pollen tube or embryo sac)
 - 1. Sporophyte (produces spores pistil & stamen)
 - 2. Meiosis produces microspores & megaspores
 - 3. Some mitosis occurs get lots of stuff including egg and sperm
 - 4. Pollination leads to pollen tube & embryo sac
 - 5. Double fertilization
 - a) Egg and sperm zygote
 - b) Central cell and sperm primary endosperm
 - Seed - - eventually a plant and starts over again
 - Details of the sporic life cycle

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A. SEE FLOW DIAGRAM