



Dipartimento di Scienze e Tecnologie

ANNO ACCADEMICO 2017/2018

**CORSO di STUDIO in __LM Biologia - Curriculum Biosanitario __
INSEGNAMENTO in __Biologia dello Sviluppo__**

DOCENTE Prof.ssa Roberta Imperatore

Anatomy of female and male reproducer apparatus. Gametogenesis: spermatogenesis and oogenesis. Reproduction endocrinology: hormonal control of female and male reproductions. Fertilization: recognition, fusion and activation of gametes. Segmentation and gastrulation with comparative hints. Organization and destiny of embryonic leaflets during the first few weeks of development. Organogenesis. Branchial apparatus: pharyngeal arches and their derivatives. Digestive system: foregut, midgut and hindgut development. Respiratory system: larynx, trachea, bronchi and lungs development. Urinary system: pronephros, mesonephros, metanephros or mature kidney, bladder and urethra. Genital system: development of male and female gonads and ductus. Circulatory system: heart development, formation of large vessels. Fetal and neonatal circulation. Nervous system: Neural tube development and encephalic vesicles. Autonomic nervous system. Skeletal system: notes on the development of the axile and appendicular skeleton.