**BBS 3208 Embryology, Human Development and Comparative anatomy**

**Course Description**

This course covers human development from conception to birth. It will expose students to pre-fertilization state, fertilization, embryonic and fetal periods, including development anomalies. It will also expose students to primatology and comparative anatomy of human and primates as well as theories of human evolution.

**Course Objectives**

* To discuss the process of human development
* To discuss the congenital anomalies
* To discuss comparative and evolutionary anatomy

**Leaning Outcomes**

At the end of the course students will be able to appreciate human development, challenges and risks to development as well as comparative anatomy..

**Content outline**

The course covers the Basic genetic organization in cells and chromosomes, cell division, structure and function, Sex determination, Sexual differentiation, Gametogenesis, Fertilization and blastocyst formation, Bilaminar germ disc, Ectodermal, endodermal and mesodermal derivatives, Foetal period, Foetal membranes and placenta, Congenital malformations. The students will be exposed to primatology and comparative anatomy.

**Requirements**

60 contact hours resulting into 4 Credit Units

**Mode of assessment**

The course shall be assessed on the basis of 100 totalmarks; Progressive assessment 40% and End of Semester exam 60%.