



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Anatomy and Physiology of The Human Reproduction

2122-2-I0102D903

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#### Aims

At the end of the course the student will know the female genital tract anatomy and the human procreative process. The student will know the fundamentals of human genetics, of embryonic development and the anatomy and physiology of the placental organ.

#### Contents

The course provides to the student the fundamentals of anatomy and physiology of the female genital tract, of the human reproductive function. The course provides the student the knowledge about the fertility and procreative process, from fertilization to embryonic development. The course provides to the student the foundations of human genetics and the anatomy and physiology of the placental organ.

#### Detailed program

**MED.40 GENITAL TRACT ANATOMY:** female and male genital tract anatomy. **MED.40 HUMAN REPRODUCTION PHYSIOLOGY:** Biology and physiology of the human reproductive function. The sterility. Medically assisted procreation. Conception, embryonic development and human fetal circulation. Afterbirths anatomy and physiology. **MED.47 FERTILITY AND PROCREATION:** Female sexual neurophysiology: normality and dysfunction. Natural fertility regulation (RNF). Contraceptive methods. The "Lactation Amenorrhea Method" (LAM). Midwifery counseling in the family planning and in case of fertility problems. **MED.03 GENETICS:** Genetic

counseling. Genetic diseases. Genetic tests and prenatal diagnosis. Genetic causes for poliabortivity/sterility.

## **Prerequisites**

none

## **Teaching form**

Lectures, training and group work.

## **Textbook and teaching resource**

LADEWIG-LONDON-DAVIDSON, Assistenza alla maternità, ed it a cura di Guana-Grassi, Piccin 2012.

PAIRMAN, TRACY, THOROGOOD PINCOMBE. Midwifery. Preparation for practice, Elsevier, 2015, 3rd edition . E-book.

COCHARD LARRY R., Atlante di embriologia umana, Netter, ed. Masson, 2006.

COAD JANE (with Melvyn Dunstall), Anatomy and Phisiology for Midwives, Mosby 2011. 3<sup>^</sup> edizione.

CARLINO D., DE VANNA M., Del Pu L. Principi di sessuologia clinica, SEU, 2011.

BARBATO M. La regolazione naturale della fertilità – Scienza, cultura ed esperienza. CODIT.

NERI G., GENUARDI M., Genetica umana e medica, 3<sup>°</sup>ed, Masson.

ECEC. Emergency Contraception: a guideline for service provision in Europe. 2016

WHO. Family planning. A global handbook for providers. 3rd edition 2018

## **Semester**

I semester

## **Assessment method**

Written exam with multichoice answers and open answers.

Oral exam with interview to discuss written test and course program.

## **Office hours**

On appointment

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