

DEGREE IN MIDWIFERY

Integrated Teaching: HUMAN SCIENCES

SSD: M-PED/01, MED/36, M-PSI/01, MED/02, M-Dea/01, Sps/07

Credits: 7

Responsible Professor: Adriano Acciarino

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MODULE: Human Sciences and Health Promotion- General and Social Pedagogy

SSD: M-PED/01

Number of Credits: 1

Professor: Adriano Acciarino

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MODULE: Diagnostic for Images and Radiotherapy

SSD: MED/36

Number of Credits: 1

Professor: Antonio Magi

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MODULE: General Psychology

SSD: M-PSI/01

Number of Credits: 2

Professor: Luca Mari

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MODULE: History of Medicine

SSD: MED/02

Number of Credits: 1

Professor: Marco Mattei

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MODULE: Demo-Ethno-Antropological Disciplines

SSD: M-Dea/01

Number of Credits: 1

Professor: Michele De Laurentiis

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MODULE: General Sociology

SSD: Sps/07

Number of Credits: 1

Professor: Donatella Padua

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PREREQUISITES

None.

LEARNING OBJECTIVES

At the end of the course the student will be able to describe the theoretical and methodological principles of General Psychology, the principles on which behaviour analysis is based, basic concepts of general sociology, the fundamentals of modern pedagogy, starting from its birth and going throughout all its changes, theoretical bases of the Demo-ethno-

anthropological disciplines and their importance in the context of clinical practice, and the main topic regarding the history of medicine, with particular regard to the history of obstetrics and gynaecology. Moreover, the course aims at providing the student with the fundamental Knowledge of diagnostic imaging methods starting from traditional radiology, CT (Computed Tomography) and new non-invasive methods.

LEARNING OUTCOMES

The specific learning outcomes of the program are coherent with the general provisions of the Bologna Process and the specific provisions of EC Directive 2005/36/EC. They lie within the European Qualifications Framework (Dublin Descriptors) as follows.

At the end of this teaching, students will be able to:

Knowledge and understanding

- Describe neurons: structure and functioning, the central nervous system, the brain and the description of the main brain structures
- Describe the phases of sleep and the main related disorders
- Define the emotions, their classification, the components of the emotional process
- Describe the main evolutionary stages of the prenatal and postnatal development
- Explain the different theories of developmental psychology
- Describe the history of Pedagogy
- Describe the basic theory and practice of general and social pedagogy
- Master the fundamental practical skills of Pedagogy
- Explain the methods, the various types of diagnostic imaging in obstetrics, their indications, and any side effects
- Describe the radiological, ultrasound and magnetic resonance anatomy related to obstetrics
- Explain how sociology was born and how sociology changes from the beginning until now
- Describe what sociology is nowadays and which are the practical applications of sociology at our days
- Explain the meaning of the main sociological paradigms related to Identity, power and control, socialisation and diversity management
- Recognize the possible critical issues related to the context of his/her own culture belonging and/or the one of the patients
- Know how to grasp the critical points from a demo-ethno-anthropological point of view in the clinical practice
- Know the fundamental principles that distinguish/affirm his/her own role from a demo-ethno-anthropological point of view
- Add valuing to his/her own professionalism through a practice that respects the principles of cross-culturality

Applying Knowledge and Understanding

- apply the principles of midwifery to selected cases, problems and a variable range of situations
- apply the acquired knowledge to the clinical practice

Communication Skills

- present the topics orally in an organized and consistent manner
- use a proper scientific language coherent with the topic of discussion

Making Judgements

- recognize the importance of an in-depth knowledge of the topics consistent with a proper education

-identify the importance of a proper theoretical knowledge of the topic in the clinical practice

COURSE SYLLABUS

PEDAGOGY

Introduction to the study of Pedagogy's foundations. History of Pedagogy, teaching methods, theoretical and practical aspects of the subject.

DIAGNOSTICS FOR IMAGES AND RADIOTHERAPY

Methods of diagnostics for images obstetrics: General criteria of diagnostic imaging. Diagnostics with ionizing radiation, benefits, indications and contraindications for the mother and the fetus. Ultrasound diagnostics, benefits, indications and contraindications for the mother and the foetus. Diagnostics with Magnetic Resonance, benefits, indications and contraindications for the mother and the foetus. Normal radiological obstetric anatomy. Normal ultrasound obstetric anatomy. Normal obstetric anatomy in MRI. Radiological obstetric pathological anatomy. Ultrasound obstetric pathological anatomy. Obstetric pathological anatomy in magnetic resonance.

Methods of radiotherapy in obstetrics: General criteria of radiotherapy in obstetrics. Therapy with ionizing radiation and other radiotherapy sources, benefits, indications and contraindications for the mother and the foetus.

PSYCHOLOGY

General psychology:

1. Neuroscience and behaviour: neurons, the nervous system and the endocrine system, the brain;
2. States of consciousness: sleep and dreams, hypnosis and meditation
3. Learning: classical conditioning, operant conditioning, cognitive-social approaches to learning
4. Memory: encoding, storage and retrieval of information, recall of long-term memories, oblivion
5. Thinking: categorization, thought formats, reasoning and problem solving
6. Motivation: explain the motivation and apply different perspectives to the motivation
7. Emotions: what are the emotions and the components of the emotional process

Developmental psychology:

1. Prenatal development: birth and newborn, growth before and after birth and what the newborn can do
2. Cognitive development: according to authors Jean Piaget, LevSemenovicVygotskij and Jerome Bruner
3. Moral development: Kohlberg
4. Affective development: Freud
5. Attachment: Winnicott and Bolbwy

Communication and prosociality:

1. Pragmatics of communication: theoretical assumptions
2. The axioms of communication
3. Pathological communication
4. Human interaction
5. Prosocial behaviors

HISTORY OF MEDICINE

History of medicine: Prehistoric medicine, ancient Egypt, the classical world (Greece and Rome), the Middle Ages, the modern age, the contemporary age

History of obstetrics and gynaecology
 History of childbirth assistance
 Breastfeeding through the ages
 History of the concept of sexuality
 History of the concept of health and disease
 Main historical and ethical aspects of the relationship between healthcare professionals and patients
 Historical origins of bioethics
 Birth and structuring of professional ethics
 Books, objects, biological sources as tools of historical research applied to nursing and midwifery

DEMO-ETHNO-ANTHROPOLOGICAL DISCIPLINES

Introduction to Social and Cultural Anthropology; Introduction to Medical Anthropology; Illness, disease and its narration; Complex health systems and Biomedicine; social suffering and health as social product; body and embodiment; audiovisual supports and case studies; slides and collection of scientific papers.

SOCIOLOGY

The rise of Sociology as a science; the role of sociology; from Unidimensionality to Multidimensionality: understanding the world around us; digital transformation; characters of post-modernity; complexity; power, control, deviance; position, role, status; socialization; identity; inequality, diversity, differences; diversity management.

COURSE STRUCTURE

The course consists of 98 hours of classroom teaching, composed of frontal lessons and interactive learning activities, especially using presentations of clinical cases.

COURSE GRADE DETERMINATION

The evaluation will be written and oral and it will focus on the Human Sciences program. Student's knowledge and mastery of specific scientific language will be assessed.

The evaluation criteria considered will be: acquired knowledge, independent judgment, communication skills and learning skills. The exams will be assessed according to the following criteria:

< 18 Fail	The candidate possesses an inadequate knowledge of the topic, makes significant errors in applying theoretical concepts, and shows weak presentation skills.
18-20	The candidate possesses a barely adequate and only superficial knowledge of topic, limited presentation skills, and only an inconsistent ability to apply theoretical concepts.
21-23:	The candidate possesses an adequate, but not in-depth, knowledge of the topic, a partial ability to apply theoretical concepts, and acceptable presentation skills.
24-26	The candidate possesses a fair knowledge of the topic, a reasonable ability to apply theoretical concepts correctly and present ideas clearly.

27-29	The candidate possesses an in-depth knowledge of the topic, a sound ability to apply theoretical concepts, good analytical skills, clear argumentative clarity and an ability to synthesize.
30-30L	The candidate possesses an in-depth knowledge of the topic, an outstanding ability to apply theoretical concepts, a high level of argumentative clarity, as well as excellent analytical skills, and a well-developed ability to synthesize and establish interdisciplinary connections.

OPTIONAL ACTIVITIES

Students can request optional workshops to deepen some specific topics.

READING MATERIALS

A list of recommended texts is shown below:

DIAGNOSTICS FOR IMAGES AND RADIOTHERAPY

Elementi di diagnostica per immagini di Leonardo Capaccioli e Natale Villari | 25 lug. 2014

PSICOLOGY

Psicologia Generale, capire la mente osservando il comportamento. N. Holt, A. Brenner, E. Sutherland, M. Vliek, M. Passer, R. Smith. McGraw-Hill, 2007

HISTORY OF MEDICINE

Lippi D. Storia della medicina. Per il corso di laurea triennale per ostetrici, CLUEB

OTHER MODULES

Didactic and integrative material provided by the lecturer.

Note: the bibliography and teaching materials necessary for the preparation for the final evaluation will be amply discussed by the Professors at the beginning of the lessons to better guide the students in the choice of texts and study materials.