

## CCNM17-CN-104: Cognitive Developmental Research Course Description

### Aim of the course

**Aim of the course:** This course aims at overviewing the most important methods of developmental research, namely, the special role of observation in developmental psychology.

#### Learning outcome, competences

knowledge:

- Knowledge on the most important models of development
- Current methods and main objectives in Developmental research

attitude:

- Utilisation of knowledge in scientific communication, presentation

skills:

- Skills of applying main methods
- Skills of identifying adequate methods for developmental problems

### Content of the course

#### Topics of the course

- Methodology of observation:
  - design;
  - selection of categories; q
  - quantitative attributes of observational variables;
  - methods of recording;
  - instruments;
  - reliability;
  - evaluation. Experiments in developmental research.
- The natural and the quasi experiments.
- Cross-sectional and longitudinal strategy, and the possibilities of their combination.
- Data analysis.
- Interpretation of results - mediator and moderator effect.

#### Learning activities, learning methods

Lectures and interactive discussions

### Evaluation of outcomes

#### Learning requirements, mode of evaluation, criteria of evaluation:

requirements

- Reliable basic knowledge in the domain of neuroscience and neuroanatomy

mode of evaluation: examination and practical course mark

criteria of evaluation:

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### Reading list

#### Compulsory reading list

- Greene, S. & Hogan, D. (2005). Researching Children's Experience: Approaches and Methods. London ; Thousand Oaks, Calif : Sage Pub.

- Martin, P., & Bateson, P. (2007). *Measuring behaviour: An introductory guide*. Cambridge: Cambridge University Press.
- Miller, S. A. (2007). *Developmental Research Methods*. Thousand Oaks: Sage Pub.
- Teti, D. (2006). *Handbook of Research Methods in Developmental Science* (Blackwell Handbooks of Research Methods in Psychology). Cambridge: Blackwell.

**Recommended reading list**

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