

## Faculty of Psychology and Education Sciences



### PSY2351 Differential psychology of the basic skills

[30h] 3 credits

This course is taught in the 2nd semester

**Teacher(s):** Jacques Grégoire  
**Language:** French  
**Level:** Second cycle

#### Aims

- to understand the specificity of the learning processes in educational context.
- to know the neuropsychological and cognitive constraints underlying these processes.
- to know the main models of learning for reading and arithmetics and for transdisciplinary skills such as the problem solving,...
- to integrate the models of learning and the models of motivation and of emotional processes.
- to use these models in order to understand the interindividual differences and the learning disorders, and to appraise these disorders in order to develop strategies of intervention.

#### Main themes

- specificity of learning in educational context (didactic relation, didactic transposition, epistemic barrier...)
- models of learning (tackling of the main models of learning and analysis of their implications at school ...)
- representation of the knowledge (working memory, organisation of the knowledge in the long term memory, declarative and procedural knowledge...)
- acquisition of knowledge (acquisition of the propositions and schemes; acquisition of procedural knowledge; learning to learn...)
- transfer and monitoring
- motivation to learn and emotional components of learning
- sexual and cultural differences in the learning processes
- to learn the mathematics (numerical acquisitions; arithmetic operations; dyscalculia...)

#### Content and teaching methods

- to understand the specificity of the learning processes in educational context.
- to know the neuropsychological and cognitive constraints underlying these processes.
- to know the main models of learning for reading and arithmetics and for transdisciplinary skills such as the problem solving,...
- to integrate the models of learning and the models of motivation and of emotional processes.
- to use these models in order to understand the interindividual differences and the learning disorders, and to appraise these disorders in order to develop strategies of intervention.

#### Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Lectures with case studies and discussion on the basis of theoretical texts

#### Programmes in which this activity is taught

**LING2MA** Master en linguistique, à finalité approfondie en linguistique générale et appliquée

**Other credits in programs**

<b>LING2MA</b>	Master en linguistique, à finalité approfondie en linguistique générale et appliquée	(3 credits)	
<b>PSY21/3</b>	Première licence en sciences psychologiques (Psychologie clinique du développement et des apprentissages)	(3 credits)	Mandatory