

## Faculty of Medicine



### INTR2400 Physiopathology of Nutrition in Infants

[15h] 2 credits

This course is taught in the 2nd semester

**Teacher(s):** Jean-Paul Buts  
**Language:** French  
**Level:** Second cycle

#### Aims

Provide to students basis of clinical nutrition in infants and children

#### Main themes

- a. Review of ontogenic development of GI tract in humans including oesophagus-stomach-small intestine-liver-exocrine pancreas.
- b. Determine quantitative and qualitative needs in energy, water, carbohydrates, lipids, proteins, minerals, trace elements.

#### Content and teaching methods

The following sectors will be developed

1. Ontogeny of GI tract development in humans with for each organ or system the explanation of a pediatric disorder in relationship with nutrition.
2. Review of quantitative and qualitative needs in several classes of nutrients with for each nutrient the review of a pediatric disorder in relationship with nutrition : energy, water, proteins, carbohydrates, lipids, minerals and trace elements.
3. Role of nucleotides, nucleosides and polyamines in foods and importance in growth and nutrition.

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

Oral exam

#### Programmes in which this activity is taught

**NUT2** Licence en sciences biomédicales (nutrition humaine)

#### Other credits in programs

<b>MD3DA/BI</b>	Diplôme d'études approfondies en sciences de la santé (sciences biomédicales)	Mandatory
<b>NUT21</b>	Première licence en sciences biomédicales (nutrition humaine)	Mandatory